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DOE/RL-98-17

1997 Tier Two Emergency and Hazardous Chemical Inventory

Emergency Planning and Community Right-To-Know Act Section 312

4 MAR 1998 RECEIVED EDMC

United States
Department of Energy
Richland, Washington

Approved for Public Release

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1997 HANFORD SITE TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
DOE/RL-98-17

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Date Published
February 1998

United States
Department of Energy
P.O. Box 550
Richland, Washington 99352

Approved for Public Release

PREFACE

The Hanford Site covers approximately 1,450 square kilometers (560 square miles) of land that is owned by the U.S. Government and managed by the U.S. Department of Energy, Richland Operations Office (DOE-RL). The Hanford Site is located northwest of the city of Richland, Washington. The city of Richland adjoins the southeastern portion of the Hanford Site boundary and is the nearest population center.

Activities on the Hanford Site are centralized in numerically designated areas. The 100 Areas, located along the Columbia River, contain deactivated reactors. The processing units are in the 200 Areas, which are on a plateau approximately 11 kilometers (7 miles) from the Columbia River. The 300 Area, located adjacent to and north of Richland, contains research and development laboratories. The 400 Area, 8 kilometers (5 miles) northwest of the 300 Area, contains the Fast Flux Test Facility previously used for testing liquid metal reactor systems. Adjacent to the north of Richland, the 1100 Area contains offices associated with administration, maintenance, transportation, and materials procurement and distribution. The 600 Area covers all locations not specifically given an area designation.

This Tier Two Emergency and Hazardous Chemical Inventory report contains information pertaining to hazardous chemicals managed by DOE-RL and its contractors on the Hanford Site. It does not include chemicals maintained in support of activities conducted by others on lands covered by leases, use permits, easements, and other agreements whereby land is used by parties other than DOE-RL. For example, this report does not include chemicals stored on state owned or leased lands (including the burial ground operated by US Ecology, Inc.), lands owned or used by the Bonneville Power Administration (including the Midway Substation and the Ashe Substation), lands used by the National Science Foundation (the Laser Interferometer Gravitational-Wave Observatory), lands leased to the Washington Public Power Supply System, Johnson Controls, Inc. (boilers operated for steam production), and R. H. Smith Company (gas stations), or similarly leased lands not under the management of DOE-RL.

RL-F-1325.6A DEF012
(05/92)

United States Government | Department of Energy

memorandum

Richland Field Office

DATE: JAN 04 1993

REPLY TO ATTN OF: EAP:EBD 93-RPA-071

SUBJECT: DELEGATION OF SIGNATURE AUTHORITY FOR THE EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY REPORT (SARA 312)

TO: James D. Bauer, Acting Program Manager
Office of Environmental Assurance,
Permits, and Policy

I hereby delegate signature authority for the Emergency and Hazardous Chemical Inventory Report (SARA 312) to the Program Manager, Office of Environmental Assurance, Permits, and Policy.

Pursuant to 40 CFR Section 370.41, Tier II Emergency and Hazardous Chemical Inventory Form, part (b), signature authority may be delegated to the manager's officially designated representative. This memorandum constitutes formal delegation of such authority to the Program Manager, Office of Environmental Assurance, Permits, and Policy.

Sincerely,

John D. Wagoner

John D. Wagoner
Manager

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 1997

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 1344-28-1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	K14 1723N 100N AREA F14 2101HV 200E AREA I14 2101M 200E AREA J14 2101M 200E AREA K14 2101M 200E AREA M14 2101M 200E AREA	☐
CAS 1344-28-1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N14 2101M 200E AREA M14 222S 200W AREA M14 222SA 200W AREA N14 222SA 200W AREA F14 234-5Z 200W AREA M14 234-5Z 200W AREA	☐
CAS 1344-28-1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N14 234-5Z 200W AREA J14 2715Z 200W AREA F14 2729Z 200W AREA F14 272WA OIL CONEX 200W AREA N14 272WA STORAGE BLDG N OF 272WA 200W AREA D14 306E CONEX 300 AREA	☐

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 75, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

[X] I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Washington Community Right-To-Know #: WA7890008967

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Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes (Type, Press, Temp)	Storage Locations (Non-Confidential)	Opt
CAS 1344 28 1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F14 M14 N14 N14 D14 J14	306E CONEX 300 AREA 306E CONEX 300 AREA 306E CONEX 300 AREA 327 300 AREA 3711 300 AREA 3718G 300 AREA	☐
CAS 1344 28 1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R14 D14 D14 F14 F14 K14	427 400 AREA 4732A 400 AREA 4732C 400 AREA 622R METEROLOGY COMPLEX E OF 200W AREA 6266 WSCF COMPLEX E OF 200W AREA 6266 WSCF COMPLEX E OF 200W AREA	☐
CAS 1344 28 1 Trade Secret ☐ Chem. Name: ALUMINUM OXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R14 K14 J14	6266 WSCF COMPLEX E OF 200W AREA HTS PIPEYARD NE OF 200E AREA M0223 200W AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Pres	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 100433-01 Trade Secret ☐ Chem. Name ALUMINUM SULFATE DIHYDRATE Check all that apply: Pure [X] Mix [X] Solid [X] Liquid [X] Gas ☐ EHS ☐ EHS Name	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic) ☐	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	A M J J N C	1 1 1 1 1 1	4 4 4 4 4 4	183N 234-5Z 283E 283W 306E 315	100N AREA 200W AREA 200E AREA 200W AREA 300 AREA 300 AREA	☐
CAS 100433-01 Trade Secret ☐ Chem. Name ALUMINUM SULFATE DIHYDRATE Check all that apply: Pure [X] Mix [X] Solid [X] Liquid [X] Gas ☐ EHS ☐ EHS Name	Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic) ☐	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	N	1	4	3746D	300 AREA	☐
CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON Check all that apply: Pure [X] Mix [X] Solid ☐ Liquid [X] Gas [X] EHS ☐ EHS Name	Fire ☐ Sudden Release of Pressure [X] Reactivity ☐ Immediate (acute) [X] Delayed (chronic) ☐	Max. Daily Amount (code): 05 Avg. Daily Amount (code): 05 No. of Days On-Site (days): 365	L L L L L L	2 2 2 2 2 2	4 4 4 7 4 4	105KE 105KW 1168 1168 1171 1512N	100K AREA 100K AREA 1100 AREA 1100 AREA 1100 AREA 100N AREA	☐

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	1515N	100N AREA	☐
			L	2	4	1706KE	100K AREA	
			L	2	4	1717K	100K AREA	
			L	2	4	1724K PORTABLE WELDER	100K AREA	
			L	2	4	1724KB	100K AREA	
			L	2	4	183KE	100K AREA	
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	190KE	100K AREA	☐
			L	2	4	190KW	100K AREA	
			L	2	4	2025E	200E AREA	
			L	2	4	202A	200E AREA	
			L	2	4	209E	200E AREA	
			L	2	4	2101HV	200E AREA	
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	2101M	200E AREA	☐
			L	2	4	212B	200E AREA	
			L	2	4	221B	200E AREA	
			L	2	4	221T BOTTLE DOCK	200W AREA	
			L	2	4	222S GAS BOTTLES IN USE	200W AREA	
			L	2	4	2244B	200E AREA	

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2309W 2310W 2336W 234-5Z 241AN 241AP	200W AREA 200W AREA 200W AREA 200W AREA 200E AREA 200E AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	241AW 241AY 241BX 241C 241SX 241SY	200E AREA 200E AREA 200E AREA 200E AREA 200W AREA 200W AREA	☐

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2620W 2707SX 2711E 2713WB 2716E 271AB	200W AREA 200W AREA 200E AREA 200W AREA 200E AREA 200E AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	271B 2721EA 272AW BOTTLE DOCK 272S 272W 272WA BOTTLE DOCK E OF 272WA	200E AREA 200E AREA 200E AREA 200W AREA 200W AREA 200W AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID #: ; Date Received:

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7440 37 1 Trade Secret ☐ Chem. Name: ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 2734ZB 200W AREA L 2 4 2734ZC 200W AREA L 2 4 2734ZK 200W AREA L 2 4 273W 200W AREA L 2 4 277A BOTTLE DOCK 200E AREA L 2 4 277A STORAGE CONEX NW OF 277A 200E AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name: ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 277W 200W AREA L 2 7 277W 200W AREA L 2 4 282W 200W AREA L 2 4 291AE 200E AREA L 2 4 291B 200E AREA L 2 4 292AB 200E AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name: ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 2 4 300FF1 FRISKING STATION 300 AREA L 2 4 305 300 AREA L 2 4 305A 300 AREA L 2 4 306E 300 AREA L 2 4 324 300 AREA L 2 4 325 300 AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

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Washington Community Right-To-Know #: WA7890008967

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EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

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Street: 825 Jadwin Avenue
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For Official Use Only: ID # ; Date Received

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Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Press	Temp	Storage Locations	Opt
CAS 7440 37 1; Trade Secret ☐; Chem. Name ARGON; Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS; EHS Name	☐ Fire; [X] Sudden Release of Pressure; ☐ Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	327	300 AREA
			L	2	4	328	300 AREA
			L	2	4	333 RACK ON N SIDE OF 333	300 AREA
			L	2	4	333	300 AREA
			L	2	4	350	300 AREA
			L	2	4	3712	300 AREA ☐
CAS 7440 37 1; Trade Secret ☐; Chem. Name ARGON; Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS; EHS Name	☐ Fire; [X] Sudden Release of Pressure; ☐ Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	3717B	300 AREA
			L	2	4	3722	300 AREA
			L	2	4	384	300 AREA
			A	2	7	403	400 AREA
			L	2	4	403	400 AREA
			L	2	4	437	400 AREA ☐
CAS 7440 37 1; Trade Secret ☐; Chem. Name ARGON; Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS; EHS Name	☐ Fire; [X] Sudden Release of Pressure; ☐ Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	4621E	400 AREA
			A	2	7	4621W	400 AREA
			L	2	4	4704S	400 AREA
			L	2	4	4713B	400 AREA
			L	2	4	4713D	400 AREA
			L	2	4	4717	400 AREA ☐

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	4760 400 AREA 491E 400 AREA 491S 400 AREA 491W 400 AREA 6241 PUMP STATION BETWEEN 200E & 200W AREA 6241 PIPELINE PROJ BETWEEN 200E& 200W AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	6265 WSCF COMPLEX E OF 200W AREA 6290 CRANE & RIGGING FAC W OF 200E AREA 671 CENTRAL LANDFILL DISP STORAGE 600 AREA HTS PIPEYARD NE OF 200E AREA M0387 200E AREA M0844 200E AREA	☐
CAS 1302 78 9 Trade Secret ☐ Chem. Name BENTONITE Check all that apply: [X] Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M N F J F J	1 1 1 1 1 1	4 4 4 4 4 4	222SA 200W AREA 234-5Z 200W AREA 271B 200E AREA HTS PIPEYARD DECON PAD NE OF 200E AREA SLAB YARD 200E AREA SLAB YARD 200E AREA	☐

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Signature

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Pres	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 75638 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHANE (HALON 1301) Check all that apply: [X] Pure ☐ Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2101M 222S 234-5Z 241-SY 243G4 243G6	200E AREA 200W AREA 200W AREA 200W AREA 200E AREA 200E AREA	☐
CAS 75638 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHANE (HALON 1301) Check all that apply: [X] Pure ☐ Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	251W SWITCHING STATION N OF 2701ZA 2704Z 2721EA 331C 403	200W AREA 200W AREA 200W AREA 200E AREA 300 AREA 400 AREA	☐
CAS 75638 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHANE (HALON 1301) Check all that apply: [X] Pure ☐ Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L	2 2 2	4 4 4	4703 4721 491E	400 AREA 400 AREA 400 AREA	☐

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Temp	Storage Locations	Opt
CAS 7440-44-0 Trade Secret ☐ Chem. Name: CARBON Check all that apply: [X] Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	[X] Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	K 14 C 14 A 14 E 14 C 14 J 14	105C CONEX 100B/C AREA 200UP1 200W AREA 200ZP2 200W AREA 200ZP2 200W AREA 2025E H202 DECOMPOSERS 200E AREA 2025E 200E AREA	☐
CAS 7440-44-0 Trade Secret ☐ Chem. Name: CARBON Check all that apply: [X] Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	[X] Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 14 I 14 J 14 N 14 N 14 N 14	2101M 200E AREA 2101M 200E AREA 2101M 200E AREA 222S 200W AREA 222SA 200W AREA 224T 200W AREA	☐
CAS 7440-44-0 Trade Secret ☐ Chem. Name: CARBON Check all that apply: [X] Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	[X] Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	I 14 K 14 E 14 D 14 J 14 K 14	234-5Z 200W AREA 234-5Z 200W AREA 236Z 200W AREA 243Z 200W AREA 271B 200E AREA 271U 200W AREA	☐

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Specific Information by Chemical

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CAS 7440-44-0 Trade Secret ☐ Chem. Name CARBON Check all that apply: [X] Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	[X] Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M K	1 1	4 4	6266 6269	WSCF COMPLEX E OF 200W AREA WSCF COMPLEX E OF 200W AREA	☐
CAS 64365-11-3 Trade Secret ☐ Chem. Name CHARCOAL, ACTIVATED Check all that apply: [X] Pure ☐ Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	[X] Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 50 No. of Days On-Site (days)	J	1	4	190DR	100D AREA	☐

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CAS 7782 50 0 Trade Secret ☐ Chem. Name CHLORINE GAS Check all that apply: X Pure, ☐ Mix, ☐ Solid, ☐ Liquid, X Gas, X EHS EHS Name CHLORINE	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	04 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L	2 2 2 2 2	4 4 4 4 4	183KE 183N 283E 283W 315	100K AREA 100N AREA 200E AREA 200W AREA 300 AREA	☐
CAS 75 45 6 Trade Secret ☐ Chem. Name CHLORODIFLUOROMETHANE (FREON 22) Check all that apply: X Pure, X Mix, ☐ Solid, X Liquid, X Gas, ☐ EHS EHS Name	Fire X Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	105N 1168 1171 2101M 221T 2310W	100N AREA 1100 AREA 1100 AREA 200E AREA 200W AREA 200W AREA	☐
CAS 75 45 6 Trade Secret ☐ Chem. Name CHLORODIFLUOROMETHANE (FREON 22) Check all that apply: X Pure, X Mix, ☐ Solid, X Liquid, X Gas, ☐ EHS EHS Name	Fire X Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2311W 242AC 271AB 328 331C 331D	200W AREA 200E AREA 200E AREA 300 AREA 300 AREA 300 AREA	☐

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Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 75456 Trade Secret ☐ Chem. Name CHLORODIFLUOROMETHANE (FREON 22) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L R	2 2 2 2 2 2	4 4 4 4 4 4	3709A 300 AREA 4713B 400 AREA 4713D 400 AREA M0332 200E AREA M0844 200E AREA COMMONLY PRESENT IN BUILDING SYSTEMS	☐
CAS 12173 10 3 Trade Secret ☐ Chem. Name CLINOPTILOLITE Check all that apply: [X] Pure ☐ Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J	1	4	1723N 100N AREA	☐
CAS Trade Secret ☐ Chem. Name COAL Check all that apply: ☐ Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	X Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	07 Max. Daily Amount (code) 07 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R	2	4	284 200E AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

- [X] I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 25635-88-5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	1171 1100 AREA 1512N 100N AREA 1724KB 100K AREA 200ZP2 200W AREA 2101HV 200E AREA 2101M 200E AREA	☐
CAS 25635-88-5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	221T 200W AREA 222S 200W AREA 2249B 200E AREA 2304W 200W AREA 2306W 200W AREA 2310W 200W AREA	☐
CAS 25635-88-5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	234-5Z 200W AREA 241A 200E AREA 241AN 200E AREA 241AP 200E AREA 241AW 200E AREA 241BY 200E AREA	☐

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 25635 88 5; Trade Secret ☐; Chem. Name: COMPRESSED AIR; Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS; EHS Name:	☐ Fire; ☒ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); ☐ Delayed (chronic)	04 Max. Daily Amount (code); 04 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	241S	200W AREA	☐
			L	2	4	241SX	200W AREA	
			L	2	4	242AC	200E AREA	
			L	2	4	2716E	200E AREA	
			L	2	4	271AB	200E AREA	
			L	2	4	271B	200E AREA	
CAS 25635 88 5; Trade Secret ☐; Chem. Name: COMPRESSED AIR; Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS; EHS Name:	☐ Fire; ☒ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); ☐ Delayed (chronic)	04 Max. Daily Amount (code); 04 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	2721EA	200E AREA	☐
			L	2	4	272S	200W AREA	
			L	2	4	272WA	200W AREA	
			L	2	4	2734ZA	200W AREA	
			L	2	4	2734ZB	200W AREA	
			L	2	4	2734ZC	200W AREA	
CAS 25635 88 5; Trade Secret ☐; Chem. Name: COMPRESSED AIR; Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS; EHS Name:	☐ Fire; ☒ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); ☐ Delayed (chronic)	04 Max. Daily Amount (code); 04 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L	2	4	275E	200E AREA	☐
			L	2	4	277A	200E AREA	
			L	2	4	277A CONEX NW OF 277A	200E AREA	
			L	2	4	305	300 AREA	
			L	2	4	306E	300 AREA	
			L	2	4	306E CONSTRUCTION BONEYARD	300 AREA	

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Washington Community Right-To-Know #: WA7890008967

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EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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For Official Use Only
ID #:
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Name: Patrol Operations Center Title: Shift Commander
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CAS 25635 88 5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 328 300 AREA L 2 4 3709A 300 AREA L 2 4 3717B 300 AREA L 2 4 405 400 AREA L 2 4 408A 400 AREA L 2 4 408B 400 AREA	☐
CAS 25635 88 5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 408C 400 AREA L 2 4 4704S 400 AREA L 2 4 4713B 400 AREA L 2 4 484 400 AREA L 2 4 609 CORNER OF ROUTE 1 & 4N L 2 4 609A BETWEEN 200E & 200W AREA	☐
CAS 25635 88 5 Trade Secret ☐ Chem. Name: COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 609C 600 AREA L 2 4 6265 WSCF COMPLEX E OF 200W AREA L 2 4 M0425 100N AREA	☐

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 1 4 105N 100N AREA L 2 4 105N 100N AREA L 2 4 1168 1100 AREA L 2 4 1171 1100 AREA F 1 4 1714NB 100N AREA L 2 4 2101M 200E AREA	☐
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 2 4 221T 200W AREA L 2 4 222S 200W AREA L 2 4 271AB 200E AREA R 2 4 271T 200W AREA R 2 4 2721E 200W AREA L 2 4 272S LAGGER STRG BLDG W OF 272S 200W AREA	☐
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 1 4 327 300 AREA L 2 4 328 300 AREA L 2 4 331D 300 AREA R 2 4 337 300 AREA R 2 4 3718 300 AREA R 2 4 4702 400 AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: Pure ☒ Mix ☒ Solid ☐ Liquid ☒ Gas ☒ EHS ☐ EHS Name	Fire ☐ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☐	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	R 2 4 4706 400 AREA R 2 4 4707 400 AREA R 2 4 4734D 400 AREA L 2 4 484 400 AREA R 2 4 6266 WSCF COMPLEX E OF 200W AREA L 2 4 M0332 200E AREA	☐
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: Pure ☒ Mix ☒ Solid ☐ Liquid ☒ Gas ☒ EHS ☐ EHS Name	Fire ☐ Sudden Release of Pressure ☒ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☐	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	R 2 4 M0908 400 AREA	☐
CAS Trade Secret ☐ Chem. Name DIESEL FUELS, GRADE 1 & 2 Check all that apply: Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☐ EHS Name	Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic) ☐	Max. Daily Amount (code): 06 Avg. Daily Amount (code): 06 No. of Days On-Site (days): 365	P 1 4 100DR1 100D AREA A 1 4 100N HEAVY EQUIPMENT POOL 100N AREA A 1 4 1171 1100 AREA C 1 4 1171 1100 AREA A 1 4 1174 1100 AREA A 1 4 182B 100B/C AREA	☐

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

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Street: 825 Jadwin Avenue
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Press	Temp	Storage Locations	Opt
CAS ☐ Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 1 4 A 1 4 A 1 4 F 1 4 B 1 4 A 1 4	200ZP1 200W AREA 202A DOCK 6 200E AREA 202A TANK W OF RR CUT FENCE 200E AREA 202S CONEX 200W AREA 204AR UNDERGROUND STORAGE TANK 200E AREA 234-5Z DIESEL TANK NE OF 234-5Z 200W AREA	☐
CAS ☐ Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	P 1 4 B 1 4 B 1 4 A 1 4 C 1 4 A 1 4	234-5Z PORT GENERATOR N OF BLDG 200W AREA 242A UNDERGROUND STORAGE TANK 200E AREA 244AR UNDERGROUND STORAGE TANK 200E AREA 251W SWITCHING STATION N OF 200W AREA 2721E 200E AREA 2721Z 200W AREA	☐
CAS ☐ Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B 1 4 B 1 4 A 1 4 A 1 4 A 1 4 P 1 4	2721Z 200W AREA 2736ZA 200W AREA 282B 200E AREA 282BA 200E AREA 284W DIESEL TANK E SIDE OF BLDG 200W AREA 291Z PORT GENERATOR E OF 291Z 200W AREA	☐

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Facility Identification

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CAS ; Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A A B B A D	1 1 1 1 1 1	4 4 4 4 4 4	300FF1 FRISKING STATION 3020 NW CORNER OF 3020 3621B 3621D 382B 384	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 300 AREA	☐
CAS ; Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B B B C B A	1 1 1 1 1 1	4 4 4 4 4 4	408A 408B 408C 427 4721 481	400 AREA 400 AREA 400 AREA 400 AREA 400 AREA 400 AREA	☐
CAS ; Trade Secret ☐ Chem. Name: DIESEL FUELS, GRADE 1 & 2 Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A D F A A	1 1 1 1 1	4 4 4 4 4	481A HTS PIPEYARD HTS PIPEYARD M0743 TANK NEXT TO BLDG CSB CONSTRUCTION PROJ (W379)	400 AREA NE OF 200E AREA NE OF 200E AREA 200W AREA 200E AREA	☐

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- X I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID #: Date Received:

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Pres	Temp	Storage Locations	Opt
CAS 111 46 6 Trade Secret ☐ Chem. Name DIETHYLENE GLYCOL Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 D 1 4 D 1 4 D 1 4 D 1 4 D 1 4	1171 1176 190KE 2711E 271T 3621D	1100 AREA 1100 AREA 100K AREA 200E AREA 200W AREA 300 AREA	☐
CAS 111 46 6 Trade Secret ☐ Chem. Name DIETHYLENE GLYCOL Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 2 4	405	400 AREA	☐
CAS 631447 62 9 Trade Secret ☐ Chem. Name DIMETHYL SILOXANE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 1 4 D 1 4 M 1 4 R 1 4 M 1 4 N 1 4	105N 2101M 234-5Z 234-5Z 306E 3705	100N AREA 200E AREA 200W AREA 200W AREA 300 AREA 300 AREA	☐

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 75, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 63148-62-9 Trade Secret ☐ Chem. Name: DIMETHYL SILOXANE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R	1	4	TRANSFORMERS THROUGHOUT SITE	☐
CAS 7758-11-4 Trade Secret ☐ Chem. Name: DIPOTASSIUM PHOSPHATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D	1	4	183KE 100K AREA	☐
			D	1	4	190KE 100K AREA	
			M	1	4	222SA 200W AREA	
			N	1	4	222SA 200W AREA	
			D	1	4	2336W 200W AREA	
			R	1	4	2336W 200W AREA	
CAS 7758-11-4 Trade Secret ☐ Chem. Name: DIPOTASSIUM PHOSPHATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D	1	4	272WA STORAGE BLDG N OF 272WA 200W AREA	☐
			D	1	4	277A CONEX NW OF 277A 200E AREA	
			D	1	4	3020 300 AREA	
			N	1	4	306E CONEX 300 AREA	
			R	2	4	405 400 AREA	

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Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N N F N D F	1 1 1 1 1 1	4 4 4 4 4 4	100DR1 105C CONEX 1143N 1143N 1171 1171	100D AREA 100B/C AREA 100N AREA 100N AREA 1100 AREA 1100 AREA	☐
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D R F D M M	1 1 1 1 1 1	4 4 4 4 4 4	1176 2025E 2101HV 2101M 222S 222SA	1100 AREA 200E AREA 200E AREA 200E AREA 200W AREA 200W AREA	☐
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D M N D E F	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z OIL CONEX BOX 234-5Z 236Z 2711E 271T 2729Z	200W AREA 200W AREA 200W AREA 200E AREA 200W AREA 200W AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type / Press / Temp	Storage Locations	Opt
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 G 1 4 D 1 4 F 1 4 R 2 4 R 2 4	305 300 AREA 310 300 AREA 3621D 300 AREA 3718G 300 AREA 405 400 AREA 427 400 AREA	☐
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	O 1 4 D 1 4 R 2 4 M 1 4 N 1 4 M 1 4	4732C 400 AREA 4831 400 AREA 4862 400 AREA 622R METEROLOGY COMPLEX E OF 200W AREA 622R METEROLOGY COMPLEX E OF 200W AREA 6266 WSCF COMPLEX E OF 200W AREA	☐
CAS 107-21-1 Trade Secret ☐ Chem. Name: ETHYLENE GLYCOL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 1 4 N 1 4 D 1 4	6266 WSCF COMPLEX E OF 200W AREA 6618 600 AREA HTS PIPEYARD NE OF 200E AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
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Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 77050 80 Trade Secret ☐ Chem. Name: FERRIC CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 1 4 222S 200W AREA N 1 4 222S 200W AREA M 1 4 222SA 200W AREA N 1 4 222SA 200W AREA M 1 4 234-5Z 200W AREA A 1 4 310 300 AREA	☐
CAS 77050 80 Trade Secret ☐ Chem. Name: FERRIC CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E 1 4 PIT 6 W OF 300 AREA N 1 4 6266 WSCF COMPLEX E OF 200W AREA	☐
CAS 68553 00 4 Trade Secret ☐ Chem. Name: FUEL OIL NO.6 Check all that apply: ☐ Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	X Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	06 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B 1 4 384 300 AREA	☐

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A-6000-633 (02/92)

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Name: U.S. Department of Energy - Hanford Site
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Emergency Contact

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CAS 8006 61 9 Trade Secret ☐ Chem. Name GASOLINE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 1 4 F 1 4 F 1 4 F 1 4 F 1 4 D 1 4	1174 1100 AREA 202S MILLWRIGHTS CONEX 200W AREA 2703E 200E AREA 271U 200W AREA 272WA GARAGE 200W AREA 609C 600 AREA	☐
CAS 8006 61 9 Trade Secret ☐ Chem. Name GASOLINE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	X Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 1 4 F 1 4	P008 PORTABLE STORAGE BLDG 200E AREA P010 PORTABLE STORAGE BLDG 200E AREA	☐
CAS 7722 84 1 Trade Secret ☐ Chem. Name HYDROGEN PEROXIDE (CONCENTRATIONS <52%) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E 1 4 C 1 4 E 1 4 N 1 4 N 1 6 N 1 6	1714N 100N AREA 2025E 200E AREA 2025E 200E AREA 222S 200W AREA 222S 200W AREA 222SA 200W AREA	☐

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A-6000-633 (02/92)

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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CAS 7722 84 1 Trade Secret ☐ Chem. Name HYDROGEN PEROXIDE (CONCENTRATIONS <52%) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 234-5Z 200W AREA N 16 234-5Z 200W AREA E 14 305 300 AREA N 16 306E 300 AREA A 14 310 300 AREA N 14 622R METEROLOGY COMPLEX E OF 200W AREA	☐
CAS 7722 84 1 Trade Secret ☐ Chem. Name HYDROGEN PEROXIDE (CONCENTRATIONS <52%) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 6266 WSCF COMPLEX E OF 200W AREA N 16 6266 WSCF COMPLEX E OF 200W AREA	☐
CAS 7439 92 1 Trade Secret ☐ Chem. Name LEAD Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 14 222SA 200W AREA M 14 234-5Z 200W AREA N 14 234-5Z 200W AREA R 14 TRAINING ACADEMY CONEX 600 AREA	☐

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 80129 5 1 Trade Secret ☐ Chem. Name: MINERAL OIL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 100DR1 — 100D AREA D 1 4 1171 — 1100 AREA N 1 4 1706N — 100N AREA F 1 4 190KE — 100K AREA M 1 4 190KE — 100K AREA M 1 4 201W STORAGE BUILDING — 200W AREA	☐
CAS 80129 5 1 Trade Secret ☐ Chem. Name: MINERAL OIL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 2101M — 200E AREA R 1 4 2101M — 200E AREA M 1 4 222S — 200W AREA N 1 4 222S — 200W AREA N 1 4 222SA — 200W AREA M 1 4 234-5Z — 200W AREA	☐
CAS 80129 5 1 Trade Secret ☐ Chem. Name: MINERAL OIL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 2711E — 200E AREA M 1 4 306E — 300 AREA N 1 4 327 — 300 AREA F 1 4 3718G — 300 AREA D 1 4 4713B — 400 AREA N 1 4 6618	☐

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Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 80129 5 1; Trade Secret ☐ Chem. Name: MINERAL OIL Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R	1	4	TRANSFORMERS THROUGHOUT SITE	☐
CAS; Trade Secret ☐ Chem. Name: MOTOR OIL (NOT SPECIFICALLY IDENTIFIED) Check all that apply: ☐ Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B D	1 1	4 4	2711E 200E AREA 2711E 200E AREA	☐
CAS 76977 37 2; Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: ☐ Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: NITRIC ACID	X Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	03 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M M M N M M	1 1 1 1 1 1	4 4 4 4 4 4	1706KE 100K AREA 183KE 100K AREA 2025E 200E AREA 221B 200E AREA 222S 200W AREA 222SA 200W AREA	☐

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 75, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

- [X] I have attached a site plan
- [ ] I have attached a list of site coordinate abbreviations
- [ ] I have attached a description of dikes and other safeguard measures

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 1997

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7697-37-2; Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☒ EHS Name: NITRIC ACID	X Fire Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	03 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 222SA 200W AREA C 14 234-5Z 200W AREA M 14 234-5Z 200W AREA R 14 234-5Z 200W AREA D 14 236Z 200W AREA M 14 236Z 200W AREA	☐
CAS 7697-37-2; Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☒ EHS Name: NITRIC ACID	X Fire Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	03 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 236Z 200W AREA E 14 241Z 200W AREA M 14 2731ZA 200W AREA D 14 306E CONEX 300 AREA E 14 306E CONEX 300 AREA M 14 306E 300 AREA	☐
CAS 7697-37-2; Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☒ EHS Name: NITRIC ACID	X Fire Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	03 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 306E 300 AREA M 14 4701C 400 AREA M 14 622R METEROLOGY COMPLEX E OF 200W AREA M 14 6266 WSCF COMPLEX E OF 200W AREA N 14 6266 WSCF COMPLEX E OF 200W AREA M 14 6268 WSCF COMPLEX E OF 200W ARER	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

James E. Rasmussen
Signature

02/27/98
Date signed

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID #: Date Received:

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7697-37-2 Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name: NITRIC ACID	X Fire Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	03 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M	1	4	6269 WSCF COMPLEX E OF 200W AREA	☐
CAS 7727-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	Fire X Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A L L L L L	2 2 2 2 2 2	7 4 4 4 4 4	1161 1100 AREA 1168 1100 AREA 1171 1100 AREA 1512N 100N AREA 1706KE 100K AREA 1717K 100K AREA	☐
CAS 7727-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	Fire X Sudden Release of Pressure Reactivity X Immediate (acute) Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	1724KB 100K AREA 183KE 100K AREA 200ZP2 200W AREA 2025E 200E AREA 2101HV 200E AREA 2101M 200E AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Press	Temp	Storage Locations	Opt
CAS 77277-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2101M SOUTH PARKING LOT 200E AREA 222S 200W AREA 2249B 200E AREA 225B 200E AREA 2304W 200W AREA 2306W 200W AREA	☐
CAS 77277-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L R A L L	2 2 2 2 2 2	4 4 7 7 4 7	2307W 200W AREA 2310W 200W AREA 2336W 200W AREA 234-5Z 200W AREA 234-5Z 200W AREA 234-5Z 200W AREA	☐
CAS 77277-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2402W PAD E OF BLDG 200W AREA 241AP 200E AREA 242AC 200E AREA 2711E 200E AREA 271AB 200E AREA 271B 200E AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division — Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98 — Date signed

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A-6000-633 (02/92)

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 77227-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 2727E 200E AREA L 2 4 2727W 200W AREA L 2 4 272AW 200E AREA L 2 4 272S 200W AREA L 2 4 272WA GAS DOCK E OF 272WA 200W AREA L 2 4 2734ZC 200W AREA	☐
CAS 77227-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 2734ZG 200W AREA L 2 4 277A 200E AREA L 2 4 277A CONEX NW OF 277A 200E AREA L 2 4 277W 200W AREA L 2 4 282W 200W AREA R 1 4 300FF1 FRISKING STATION 300 AREA	☐
CAS 77227-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 305 300 AREA L 2 4 305A 300 AREA L 2 4 306E 300 AREA L 2 4 325 300 AREA L 2 4 328 300 AREA L 2 4 331C 300 AREA	☐

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Signature

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 77227-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A L L L L L	2 2 2 2 2 2	7 4 4 4 4 4	337 350 3717B 384 405 427	300 AREA 300 AREA 300 AREA 300 AREA 400 AREA 400 AREA	☐
CAS 77227-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L A L L	2 2 2 2 2 2	4 4 4 7 4 4	427 STORAGE PAD N OF 427 427 YARD N OF 427 437 4621W 4704S 4713B	400 AREA 400 AREA 400 AREA 400 AREA 400 AREA 400 AREA	☐
CAS 77227-37-9 Trade Secret ☐ Chem. Name NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	4713D 6090 HAMMER FACILITY 609A 6265 HTS PIPEYARD M0412	400 AREA BETWEEN 200E & 200W AREA WSCF COMPLEX E OF 200W AREA NE OF 200E AREA 200W AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
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Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
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CAS 77227-37-9; Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	☐ Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L	2 2	4 4	M0425 100N AREA M0844 200E AREA	☐
CAS 77827-44-7; Trade Secret ☐ Chem. Name: OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	100DR1 100D AREA 1168 1100 AREA 1171 1100 AREA 1512N 100N AREA 1515N 100N AREA 1717K 100K AREA	☐
CAS 77827-44-7; Trade Secret ☐ Chem. Name: OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	1724KB 100K AREA 2101M 200E AREA 2101M SOUTH PARKING LOT 200E AREA 222S 200W AREA 2244B 200E AREA 2247B 200E AREA	☐

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

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CAS 77824-47 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	2249B 2304W 2306W 2307W 2309W 2310W	200E AREA 200W AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 77824-47 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	234-5Z 241AZ CONSTRUCTION STORAGE 242AC 2707SX 2711E 2713WB	200W AREA 200E AREA 200E AREA 200W AREA 200E AREA 200W AREA	☐
CAS 77824-47 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	2716E 271AB 271B 2721EA 272AW 272S	200E AREA 200E AREA 200E AREA 200E AREA 200E AREA 200W AREA	☐

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

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Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 77782-44-7 Trade Secret ☐ Chem. Name: OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 272W 200W AREA L 2 4 272WA 200W AREA L 2 4 2734ZC 200W AREA L 2 4 2734ZG 200W AREA L 2 4 277A 200E AREA L 2 4 277A CONEX NW OF 277A 200E AREA	☐
CAS 77782-44-7 Trade Secret ☐ Chem. Name: OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 277W 200W AREA L 2 4 282W 200W AREA L 2 4 300FF1 FRISKING STATION 300 AREA L 2 4 305 300 AREA L 2 4 305A 300 AREA L 2 4 306E 300 AREA	☐
CAS 77782-44-7 Trade Secret ☐ Chem. Name: OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 306E CONSTRUCTION BONEYARD 300 AREA L 2 4 324 300 AREA L 2 4 325 300 AREA L 2 4 328 300 AREA L 2 4 331 300 AREA L 2 4 331C 300 AREA	☐

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 75, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

Optional Attachments

[X] I have attached a site plan
☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	350	300 AREA	☐
			L	2	4	3709A	300 AREA	
			L	2	4	3717B	300 AREA	
			L	2	4	3722	300 AREA	
			L	2	4	384	300 AREA	
			L	2	4	4704S	400 AREA	
CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	4713B	400 AREA	☐
			L	2	4	4713D	400 AREA	
			L	2	4	4760	400 AREA	
			L	2	4	609	CORNER OF ROUTE 1 & 4N	
			L	2	4	6090 HAMMER FACILITY	600 AREA	
			L	2	4	6092 HAMMER FACILITY	600 AREA	
CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L	2	4	609A	BETWEEN 200E & 200W AREA	☐
			L	2	4	609D	600 AREA	
			L	2	4	613	CORNER OF ROUTE 1 & 4N	
			L	2	4	6241	BETWEEN 200E & 200W AREA	
			L	2	4	6265	WSCF COMPLEX E OF 200W AREA	
			L	2	4	6290	CRANE & RIGGING FAC W OF 200E AREA	

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7782447 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: [X] Pure [X] Mix ☐ Solid ☐ Liquid [X] Gas ☐ EHS EHS Name	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 HTS PIPEYARD NE OF 200E AREA L 2 4 M0001 600 AREA L 2 4 M0302 600 AREA L 2 4 M0425 100N AREA L 2 4 M0844 200E AREA L 2 4 CSB CONSTRUCTION PROJ (W379) 200E AREA	☐
CAS 7664382 Trade Secret ☐ Chem. Name PHOSPHORIC ACID Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 2101M 200E AREA C 1 4 221T 200W AREA D 1 4 221T 200W AREA N 1 4 221T 200W AREA M 1 4 222S 200W AREA M 1 4 234-5Z 200W AREA	☐
CAS 7664382 Trade Secret ☐ Chem. Name PHOSPHORIC ACID Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	O 1 4 271B 200E AREA M 1 4 306E 300 AREA M 1 4 327 300 AREA N 1 4 607 BETWEEN 200E & 200W AREA M 1 4 6266 WSCF COMPLEX E OF 200W AREA	☐

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 1336363 Trade Secret ☐ Chem. Name POLYCHLORINATED BIPHENYLS Check all that apply: [X] Pure ☐ Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R R R R	1 1 1 1	4 4 4 4	4621E TRANSFORMERS 4621W TRANSFORMERS 491E TRANSFORMERS 491W TRANSFORMERS	400 AREA 400 AREA 400 AREA 400 AREA	☐
CAS 7498 6 Trade Secret ☐ Chem. Name PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L M	2 2 2 2 2 1	4 4 4 4 4 4	100DR1 1161 1171 1512N 1706KE 1714NB	100D AREA 1100 AREA 1100 AREA 100N AREA 100K AREA 100N AREA	☐
CAS 7498 6 Trade Secret ☐ Chem. Name PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L A L L L L	2 2 2 2 2 2	4 4 4 4 4 4	1723N 1724K 200ZP2 2025E 202S CONEX 209E	100N AREA 100K AREA 200W AREA 200E AREA 200W AREA 200E AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt.
CAS 7498-6 Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 2101HV 200E AREA L 2 4 2101M 200E AREA L 2 4 221T 200W AREA L 2 4 222S 200W AREA L 2 4 222SA 200W AREA L 2 4 2249B 200E AREA	☐
CAS 7498-6 Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 225B 200E AREA A 2 4 225E 200E AREA A 2 4 2300W 200W AREA L 2 4 2306W 200W AREA A 2 4 2307W 200W AREA A 2 4 2309W 200W AREA	☐
CAS 7498-6 Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 2310W 200W AREA L 2 4 2402W PAD E OF 2402W 200W AREA L 2 4 242AC 200E AREA L 2 4 2620W 200W AREA A 2 4 2707SX 200W AREA L 2 4 2707SX 200W AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

Optional Attachments

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type Pres Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 2 4 L 2 4 A 2 4 L 2 4 L 2 4 L 2 4	2711E 200E AREA 2711E 200E AREA 271B 200E AREA 271B 200E AREA 271U 200W AREA 2721EA 200E AREA	☐
CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4	272AW 200E AREA 272S 200W AREA 272WA 200W AREA 2734ZK 200W AREA 275E 200E AREA 275W 200W AREA	☐
CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4	277A 200E AREA 277A CONEX NW OF 277A 200E AREA 277W 200W AREA 284W 200W AREA 300FF1 FRISKING STATION 300 AREA 305 300 AREA	☐

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
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CAS 74986 Trade Secret ☐ Chem. Name PROPANE Check all that apply: Pure [X] Mix [X] Solid ☐ Liquid [X] Gas [X] EHS ☐ EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L A L	2 2 2 2 2 2	4 4 4 4 4 4	306E 306E CONSTRUCTION BONEYARD 324 328 331H TANK N OF 331H 333	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 300 AREA	☐
CAS 74986 Trade Secret ☐ Chem. Name PROPANE Check all that apply: Pure [X] Mix [X] Solid ☐ Liquid [X] Gas [X] EHS ☐ EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	3722 384 4704S 4713B 4713D 4722C	300 AREA 300 AREA 400 AREA 400 AREA 400 AREA 400 AREA	☐
CAS 74986 Trade Secret ☐ Chem. Name PROPANE Check all that apply: Pure [X] Mix [X] Solid ☐ Liquid [X] Gas [X] EHS ☐ EHS Name	X Fire X Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A L L L A A	2 2 2 2 2 2	4 4 4 4 4 4	609 609 6090 HAMMER FACILITY 6092 HAMMER FACILITY 6092N HAMMER FACILITY 609A	CORNER OF ROUTE 1 & 4N CORNER OF ROUTE 1 & 4N 600 AREA 600 AREA 600 AREA BETWEEN 200E & 200W AREA	☐

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Washington Community Right-To-Know #: WA7890008967

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EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

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CAS 74986; Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L A A L L	2 2 2 2 2 2	4 4 4 4 4 4	609A BETWEEN 200E & 200W AREA 609C 600 AREA 609D 600 AREA 6241 BETWEEN 200E & 200W AREA 6241 BETWEEN 200E & 200W AREA 6265 WSCF COMPLEX E OF 200W AREA	☐
CAS 74986; Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L L L L L A	2 2 2 2 2 2	4 4 4 4 4 4	6290 CRANE & RIGGING FAC W OF 200E AREA HTS PIPEYARD NE OF 200E AREA MO269 200E AREA MO844 200E AREA MO966 200E AREA N SPRINGS 100N AREA	☐
CAS 74986; Trade Secret ☐ Chem. Name: PROPANE Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid [X] Gas ☐ EHS EHS Name:	[X] Fire [X] Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A L A	2 2 2	4 4 4	CSB CONSTRUCTION PROJ (W379) 200E AREA CSB CONSTRUCTION PROJ (W379) 200E AREA CVD CONSTRUCTION PROJ (W441) 100K AREA	☐

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For Official Use Only: ID #: Date Received:

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Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Pres	Temp	Storage Locations		Opt
CAS 57-55-6 Trade Secret ☐ Chem. Name PROPYLENE GLYCOL Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D D E D D R	1 1 1 1 1 1	4 4 4 4 4 4	100DR1 183KE 190DR 190KE 2336W 2336W	100D AREA 100K AREA 100D AREA 100K AREA 200W AREA 200W AREA	☐
CAS 57-55-6 Trade Secret ☐ Chem. Name PROPYLENE GLYCOL Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D E N N N D	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z 234-5Z 234-5Z 236Z 2713W 2721EA	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200E AREA	☐
CAS 57-55-6 Trade Secret ☐ Chem. Name PROPYLENE GLYCOL Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N D D D D D	1 1 1 1 1 1	4 4 4 4 4 4	2721EA 272AW 272WA 277A CONEX NW OF 277A 300FF1 FRISKING STATION 3020	200E AREA 200E AREA 200W AREA 200E AREA 300 AREA 300 AREA	☐

Certification *(Read and sign after completing all sections)*

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

Optional Attachments

- [X] I have attached a site plan
- [ ] I have attached a list of site coordinate abbreviations
- [ ] I have attached a description of dikes and other safeguard measures

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

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CAS 57-55-6 Trade Secret ☐ Chem. Name: PROPYLENE GLYCOL Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 1 4 306E CONEX 300 AREA N 1 4 324 300 AREA N 1 4 327 300 AREA D 1 4 331C 300 AREA R 2 4 337 300 AREA N 1 4 3705 300 AREA	☐
CAS 57-55-6 Trade Secret ☐ Chem. Name: PROPYLENE GLYCOL Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 1 4 3746D 300 AREA M 1 4 6266 WSCF COMPLEX E OF 200W AREA	☐
CAS 14464-46-1 Trade Secret ☐ Chem. Name: SILICA, CRYSTALLINE-CRISTOBALITE Check all that apply: ☐ Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) [X] Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 38 No. of Days On-Site (days)	J 1 4 2101M 200E AREA J 1 4 616 BETWEEN 200E & 200W AREA	☐

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

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Name: U.S. Department of Energy Phone: (509) 376-7411
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Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 14808 60 7 Trade Secret ☐ Chem. Name: SILICA, CRYSTALLINE-QUARTZ Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 14 1143N 100N AREA J 14 1723N 100N AREA J 14 190DR 100D AREA J 14 2101M 200E AREA D 14 212B 200E AREA E 14 214A 200E AREA	☐
CAS 14808 60 7 Trade Secret ☐ Chem. Name: SILICA, CRYSTALLINE-QUARTZ Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 14 222S 200W AREA J 14 225B 200E AREA D 14 226B WASTE PAD 200E AREA F 14 226B WASTE PAD 200E AREA E 14 234-5Z 200W AREA F 14 234-5Z 200W AREA	☐
CAS 14808 60 7 Trade Secret ☐ Chem. Name: SILICA, CRYSTALLINE-QUARTZ Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	I 14 234-5Z 200W AREA J 14 234-5Z 200W AREA M 14 234-5Z 200W AREA N 14 234-5Z 200W AREA F 14 236Z 200W AREA J 14 2402W PAD E OF 2402W 200W AREA	☐

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A-6000-633 (02/92)

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Press	Temp	Storage Locations	Opt
CAS 14808 60 7; Trade Secret ☐; Chem. Name: SILICA, CRYSTALLINE-QUARTZ; Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name:	☐ Fire; ☐ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); [X] Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	J 1 4			2402WE 200W AREA	☐
			J 1 4			2403WD 200W AREA	
			D 1 4			271B 200E AREA	
			D 1 4			272BB 200E AREA	
			D 1 4			306E CONEX 300 AREA	
			N 1 4			306E CONEX 300 AREA	
CAS 14808 60 7; Trade Secret ☐; Chem. Name: SILICA, CRYSTALLINE-QUARTZ; Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name:	☐ Fire; ☐ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); [X] Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	R 1 4			427 400 AREA	☐
			D 1 4			607 BETWEEN 200E & 200W AREA	
			J 1 4			616 BETWEEN 200E & 200W AREA	
			J 1 4			HTS PIPEYARD NE OF 200E AREA	
			D 1 4			M0444 200E AREA	
			J 1 4			SLAB YARD 200E AREA	
CAS 15468 32 3; Trade Secret ☐; Chem. Name: SILICA, CRYSTALLINE-TRIDYMITE; Check all that apply: ☐ Pure [X] Mix [X] Solid ☐ Liquid ☐ Gas ☐ EHS; EHS Name:	☐ Fire; ☐ Sudden Release of Pressure; ☐ Reactivity; ☐ Immediate (acute); [X] Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 38 No. of Days On-Site (days)	J 1 4			2101M 200E AREA	☐
			J 1 4			616 BETWEEN 200E & 200W AREA	

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Specific Information by Chemical

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Name: U.S. Department of Energy - Hanford Site
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Name: Patrol Operations Center Title: Shift Commander
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes (Type, Press, Temp)	Storage Locations (Non-Confidential)	Opt
CAS 7440 23 5; Trade Secret ☐; Chem. Name SODIUM; Check all that apply: [X] Pure ☐ Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	[X] Fire; ☐ Sudden Release of Pressure; [X] Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	06 Max. Daily Amount (code); 06 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	Q 1 4 C 1 4 M 1 4 C 1 4 A 1 4 D 1 4	1167 1100 AREA 221T 200W AREA 234-5Z 200W AREA 2727W 200W AREA 335 300 AREA 335 300 AREA	☐
CAS 7440 23 5; Trade Secret ☐; Chem. Name SODIUM; Check all that apply: [X] Pure ☐ Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	[X] Fire; ☐ Sudden Release of Pressure; [X] Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	06 Max. Daily Amount (code); 06 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	B 2 4 C 1 4 B 2 4 C 2 5 C 2 5 D 1 4	337B 300 AREA 337B 300 AREA 3718M 300 AREA 403 400 AREA 405 400 AREA HS057 200W AREA	☐
CAS 7440 23 5; Trade Secret ☐; Chem. Name SODIUM; Check all that apply: [X] Pure ☐ Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	[X] Fire; ☐ Sudden Release of Pressure; [X] Reactivity; [X] Immediate (acute); ☐ Delayed (chronic)	06 Max. Daily Amount (code); 06 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	D 1 4 D 1 4 D 1 4 D 1 4 D 1 4 D 1 4	HS058 200W AREA HS059 200W AREA HS060 200W AREA HS061 200W AREA HS062 200W AREA HS063 200W AREA	☐

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A-6000-633 (02/92)

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
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Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
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Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7440 23 5 Trade Secret ☐ Chem. Name SODIUM Check all that apply: [X] Pure [ ] Mix [X] Solid [X] Liquid [ ] Gas [ ] EHS EHS Name	[X] Fire [ ] Sudden Release of Pressure [X] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D	1	4	HS064 200W AREA	☐
CAS 497 14 5 Trade Secret ☐ Chem. Name SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid [ ] Gas [ ] EHS EHS Name	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C	1	4	1171 1100 AREA	☐
			D	1	4	1171 1100 AREA	
			J	1	4	183KE 100K AREA	
			N	1	4	2025E 200E AREA	
			D	1	4	209E CONEX S OF 209E 200E AREA	
			J	1	4	2101M 200E AREA	
CAS 497 14 5 Trade Secret ☐ Chem. Name SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid [ ] Gas [ ] EHS EHS Name	[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [X] Immediate (acute) [ ] Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N	1	4	222S 200W AREA	☐
			N	1	6	222S 200W AREA	
			M	1	4	222SA 200W AREA	
			N	1	4	222SA 200W AREA	
			D	1	4	234-5Z 200W AREA	
			F	1	4	234-5Z 200W AREA	

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Specific Information by Chemical

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CAS 497-14-5 Trade Secret ☐ Chem. Name SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 1 4 N 1 4 R 1 4 D 1 4 F 1 4 I 1 4			234-5Z 200W AREA 234-5Z 200W AREA 234-5Z 200W AREA 236Z 200W AREA 236Z 200W AREA 303F SOUTH END OF BLDG 300 AREA	☐
CAS 497-14-5 Trade Secret ☐ Chem. Name SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 1 4 I 1 4 I 1 4 F 1 4 F 1 4 J 1 4			306E 300 AREA 310 300 AREA 333 SHED N OF BUILDING 300 AREA 3705 300 AREA 3709A 300 AREA 3723 300 AREA	☐
CAS 497-14-5 Trade Secret ☐ Chem. Name SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J 1 4 N 1 4 F 1 4 P 1 4 N 1 4 N 1 4			3746D 300 AREA 3746D 300 AREA 4704S 400 AREA 4704S 400 AREA 491W 400 AREA 622R METEROLOGY COMPLEX E OF 200W AREA	☐

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CAS 4497-14-5 Trade Secret ☐ Chem. Name: SODIUM CARBONATE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N K	1 1	4 4	6266 WSCF COMPLEX E OF 200W AREA 6269 WSCF COMPLEX E OF 200W AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N N E N F F	1 1 1 1 1 1	4 4 4 4 4 4	105N 100N AREA 1706N 100N AREA 1714N 100N AREA 182B 100B/C AREA 183N 100N AREA 190KE 100K AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B F N M M N	1 1 1 1 1 1	4 4 4 4 4 4	200ZP2 200W AREA 2025E 200E AREA 2025E 200E AREA 222S 200W AREA 222SA 200W AREA 222SA 200W AREA	☐

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☐ I have attached a list of site coordinate abbreviations
☐ I have attached a description of dikes and other safeguard measures

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7647-14-5; Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J14 224T 200W AREA J14 226B CONEX BOX AT WASTE PAD 200E AREA I14 234-5Z 200W AREA M14 234-5Z 200W AREA N14 234-5Z 200W AREA J14 2402W PAD E OF 2402W 200W AREA	☐
CAS 7647-14-5; Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J14 271B 200E AREA N14 271B 200E AREA N14 272BA 200E AREA A14 284E 200E AREA B14 284E 200E AREA B14 284W 200W AREA	☐
CAS 7647-14-5; Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	K14 306E CONEX 300 AREA N14 306E 300 AREA N14 328 300 AREA D14 331D 300 AREA M14 3705 300 AREA N14 3717B 300 AREA	☐

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature

02/27/98
Date signed

Optional Attachments

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Street: 825 Jadwin Avenue
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For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800
Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7647-14-5 Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N C B F E F	14 14 14 14 14 14	3746D 300 AREA 382 300 AREA 384 300 AREA 4704S 400 AREA 6092I HAMMER FACILITY 600 AREA 6092I HAMMER FACILITY 600 AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name: SODIUM CHLORIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N M N J N	14 14 14 14 14	622R METEROLOGY COMPLEX E OF 200W AREA 6266 WSCF COMPLEX E OF 200W AREA 6266 WSCF COMPLEX E OF 200W AREA M0743 CONEX S OF BUILDING 200W AREA M0942 100N AREA	☐
CAS 13-10-73-2 Trade Secret ☐ Chem. Name: SODIUM HYDROXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure [X] Reactivity [X] Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C D I N E N	14 14 14 14 14 14	1171 1100 AREA 1171 1100 AREA 1171 1100 AREA 1706KE 100K AREA 1714N 100N AREA 182B 100B/C AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

Signature: [signature] Date signed: 02/27/98

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
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Name: U.S. Department of Energy Phone: (509) 376-7411
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Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

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Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 13107 3 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 1 4 183KE 100K AREA F 1 4 183N 100N AREA A 2 4 2025E TANK 65C-TK-2 200E AREA C 1 4 2025E 200E AREA C 1 4 2025E TANK 65C-TK-4 200E AREA N 1 4 2025E 200E AREA	☐
CAS 13107 3 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C 1 4 204AR 200E AREA J 1 4 204AR 200E AREA N 1 4 204AR 200E AREA D 1 4 2101M 200E AREA F 1 4 2101M 200E AREA A 1 4 211BA 200E AREA	☐
CAS 13107 3 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	I 1 4 214T 200W AREA M 1 4 222S 200W AREA N 1 4 222S 200W AREA M 1 4 222SA 200W AREA N 1 4 222SA 200W AREA D 1 4 234-5Z 200W AREA	☐

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Name and official title of owner/operator OR owner/operator's authorized representative

Signature

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Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name U.S. Department of Energy - Hanford Site
Street 825 Jadwin Avenue
City Richland County Benton State WA Zip 99352
SIC Code 9999 Dun & Brad Number 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name U.S. Department of Energy Phone (509) 376-7411
Mail Address P.O. Box 550, Richland WA 99352

Emergency Contact

Name Patrol Operations Center Title Shift Commander
Phone (509) 373-3800 24 Hr. Phone (509) 373-3800

Name Title
Phone ( ) 24 Hr. Phone ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Pres	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 1310 73 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE; Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	☐ Fire; ☐ Sudden Release of Pressure; X Reactivity; X Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	E	1	4	234-5Z 200W AREA	
			M	1	4	234-5Z 200W AREA	
			N	1	4	234-5Z 200W AREA	
			E	1	4	244TX 200W AREA	
			D	1	4	2706T CONEX 200W AREA	
			M	1	4	2706T CONEX 200W AREA	☐
CAS 1310 73 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE; Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	☐ Fire; ☐ Sudden Release of Pressure; X Reactivity; X Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	C	1	4	271B 200E AREA	
			E	1	4	271B 200E AREA	
			O	1	4	271B 200E AREA	
			C	1	4	271T 200W AREA	
			N	1	4	272WA STORAGE BLDG N OF 272WA 200W AREA	
			R	1	4	291Z 200W AREA	☐
CAS 1310 73 2 Trade Secret ☐ Chem. Name SODIUM HYDROXIDE; Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS; EHS Name	☐ Fire; ☐ Sudden Release of Pressure; X Reactivity; X Immediate (acute); ☐ Delayed (chronic)	05 Max. Daily Amount (code); 05 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	E	1	4	3020 300 AREA	
			C	1	4	306E 300 AREA	
			D	1	4	306E CONEX 300 AREA	
			E	1	4	306E CONEX 300 AREA	
			F	1	4	306E CONEX 300 AREA	
			M	1	4	306E CONEX 300 AREA	☐

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Signature

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A-6000-633 (02/92)

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name U.S. Department of Energy - Hanford Site
Street 825 Jadwin Avenue
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For Official Use Only: ID # / Date Received

Owner/Operator Name

Name U.S. Department of Energy Phone (509) 376-7411
Mail Address P.O. Box 550, Richland WA 99352

Emergency Contact

Name Patrol Operations Center Title Shift Commander
Phone (509) 373-3800 24 Hr. Phone (509) 373-3800

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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Pres	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 1310 73 2 Trade Secret ☐	☐ Fire	05 Max. Daily Amount (code)	N	1	4	306E 300 AREA	
Chem. Name SODIUM HYDROXIDE	☐ Sudden Release of Pressure		N	1	4	306E CONEX 300 AREA	
	X Reactivity	05 Avg. Daily Amount (code)	A	1	4	310 TANK OUTSIDE E WALL 300 AREA	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS	X Immediate (acute)		N	1	4	327 300 AREA	
	☐ Delayed (chronic)	365 No. of Days On-Site (days)	F	1	4	328 300 AREA	
EHS Name			D	1	4	331D 300 AREA	☐
CAS 1310 73 2 Trade Secret ☐	☐ Fire	05 Max. Daily Amount (code)	F	1	4	331D 300 AREA	
Chem. Name SODIUM HYDROXIDE	☐ Sudden Release of Pressure		E	1	4	333 SHED N OF BUILDING 300 AREA	
	X Reactivity	05 Avg. Daily Amount (code)	F	1	4	337 300 AREA	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS	X Immediate (acute)		M	1	4	3705 300 AREA	
	☐ Delayed (chronic)	365 No. of Days On-Site (days)	N	1	4	3705 300 AREA	
EHS Name			C	1	4	382 300 AREA	☐
CAS 1310 73 2 Trade Secret ☐	☐ Fire	05 Max. Daily Amount (code)	D	1	4	4831 400 AREA	
Chem. Name SODIUM HYDROXIDE	☐ Sudden Release of Pressure		E	1	4	PIT 6 W OF 300 AREA	
	X Reactivity	05 Avg. Daily Amount (code)	E	1	4	6092I HAMMER FACILITY 600 AREA	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS	X Immediate (acute)		N	1	4	622R METEROLOGY COMPLEX E OF 200W AREA	
	☐ Delayed (chronic)	365 No. of Days On-Site (days)	I	1	4	6266 WSCF COMPLEX E OF 200W AREA	
EHS Name			N	1	4	6266 WSCF COMPLEX E OF 200W AREA	☐

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CAS 1310 73 2 Trade Secret ☐ Chem. Name: SODIUM HYDROXIDE Check all that apply: [X] Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 1 4 6268 WSCF COMPLEX E OF 200W AREA N 1 4 6269 WSCF COMPLEX E OF 200W AREA	☐
CAS 64742 58 1 Trade Secret ☐ Chem. Name: SPENT LUBE OIL, HYDROTREATED Check all that apply: ☐ Pure [X] Mix [X] Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C 1 4 1171 1100 AREA D 1 4 1171 1100 AREA D 1 4 1176 1100 AREA C 1 4 2711E 200E AREA D 1 4 2711E 200E AREA	☐
CAS 7664 93 9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 1 4 151B 100B/C AREA R 1 4 151D 100D AREA M 1 4 1706KE 100K AREA E 1 4 1714N 100N AREA R 1 4 181B 100B/C AREA R 1 4 181D 100D AREA	☐

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A-6000-633 (02/92)

Washington Community Right-To-Know #: WA7890008967

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Specific Information by Chemical

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CAS 7664-93-9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R R M A C N	1 1 1 1 1 1	4 4 4 4 4 4	182B 182D 183KE 2025E TANK 65C-TK-1 2025E TANK 65C-TK-3 2025E	100B/C AREA 100D AREA 100K AREA 200E AREA 200E AREA 200E AREA	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A M N M N M	1 1 1 1 1 1	4 4 4 4 4 4	211BA 222S 222S 222SA 222SA 234-5Z	200E AREA 200W AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N R N R R R	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z 234-5Z 236Z 251W SWITCHING STATION N OF 252E 252W	200W AREA 200W AREA 200W AREA 200W AREA 200E AREA 200W AREA	☐

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Name: Title:
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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type / Pres / Temp	Storage Locations	Opt
CAS 7664-93-9; Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 1 4 R 1 4 R 1 4 R 1 4 M 1 4 N 1 4	2707SX 200W AREA 2721E 200E AREA 284E 200E AREA 284W 200W AREA 306E 300 AREA 306E 300 AREA	☐
CAS 7664-93-9; Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 1 4 E 1 4 R 1 4 R 1 4 R 1 4 M 1 4	310 300 AREA 333 SHED N OF BUILDING 300 AREA 351B 300 AREA 352C 300 AREA 352E 300 AREA 3705 300 AREA	☐
CAS 7664-93-9; Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 1 4 R 1 4 R 1 4 R 1 4 R 1 4 M 1 4	3746D 300 AREA 384 300 AREA 427 400 AREA 4621E 400 AREA 4621W 400 AREA 4701C 400 AREA	☐

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 75, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

- [X] I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # ; Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 19 97

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 7664 93 9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 14 4703 400 AREA E 14 PIT 6 W OF 300 AREA M 14 622R METEROLOGY COMPLEX E OF 200W AREA N 14 622R METEROLOGY COMPLEX E OF 200W AREA R 14 623 GABLE MTN R 14 623A RATTLESNAKE MTN	☐
CAS 7664 93 9 Trade Secret ☐ Chem. Name: SULFURIC ACID Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas [X] EHS EHS Name: SULFURIC ACID	☐ Fire ☐ Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 14 6266 WSCF COMPLEX E OF 200W AREA M 14 6268 WSCF COMPLEX E OF 200W AREA N 14 6268 WSCF COMPLEX E OF 200W AREA M 14 6269 WSCF COMPLEX E OF 200W AREA N 14 6269 WSCF COMPLEX E OF 200W AREA	☐
CAS 68037 01 4 Trade Secret ☐ Chem. Name: SYNTHETIC PARAFFINIC HYDROCARBON Check all that apply: ☐ Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E 14 2101M 200E AREA R 14 2101M 200E AREA R 14 TRANSFORMERS THROUGHOUT SITE	☐

Certification *(Read and sign after completing all sections)*

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James E. Rasmussen, Director of Environmental Assurance, Permits, and Policy Division
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E. Rasmussen

Date signed: 02/27/98

Optional Attachments

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- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures

Washington Community Right-To-Know #: WA7890008967

TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

Name: U.S. Department of Energy - Hanford Site
Street: 825 Jadwin Avenue
City: Richland County: Benton State: WA Zip: 99352
SIC Code: 9999 Dun & Brad Number: 03-445-6186

For Official Use Only: ID # / Date Received

Owner/Operator Name

Name: U.S. Department of Energy Phone: (509) 376-7411
Mail Address: P.O. Box 550, Richland WA 99352

Emergency Contact

Name: Patrol Operations Center Title: Shift Commander
Phone: (509) 373-3800 24 Hr. Phone: (509) 373-3800

Name: Title:
Phone: ( ) 24 Hr. Phone: ( )

Important: Read all instructions before completing form

Reporting Period: From January 1 to December 31, 1997

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Press	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 75694 Trade Secret ☐ Chem. Name TRICHLOROFLUOROMETHANE (FREON 11) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F L L F F R	1 2 2 1 1 2	4 4 4 4 4 4	105N 100N AREA 2101M 200E AREA 272S LAGGER STRG BLDG W OF 272S 200W AREA 328 300 AREA 337 300 AREA 337 300 AREA	☐
CAS 75694 Trade Secret ☐ Chem. Name TRICHLOROFLUOROMETHANE (FREON 11) Check all that apply: [X] Pure [X] Mix ☐ Solid [X] Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D R D D	1 2 1 1	4 4 4 4	427 400 AREA 427 400 AREA 4831 400 AREA 607 BETWEEN 200E & 200W AREA	☐
CAS Trade Secret ☐ Chem. Name Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)					☐

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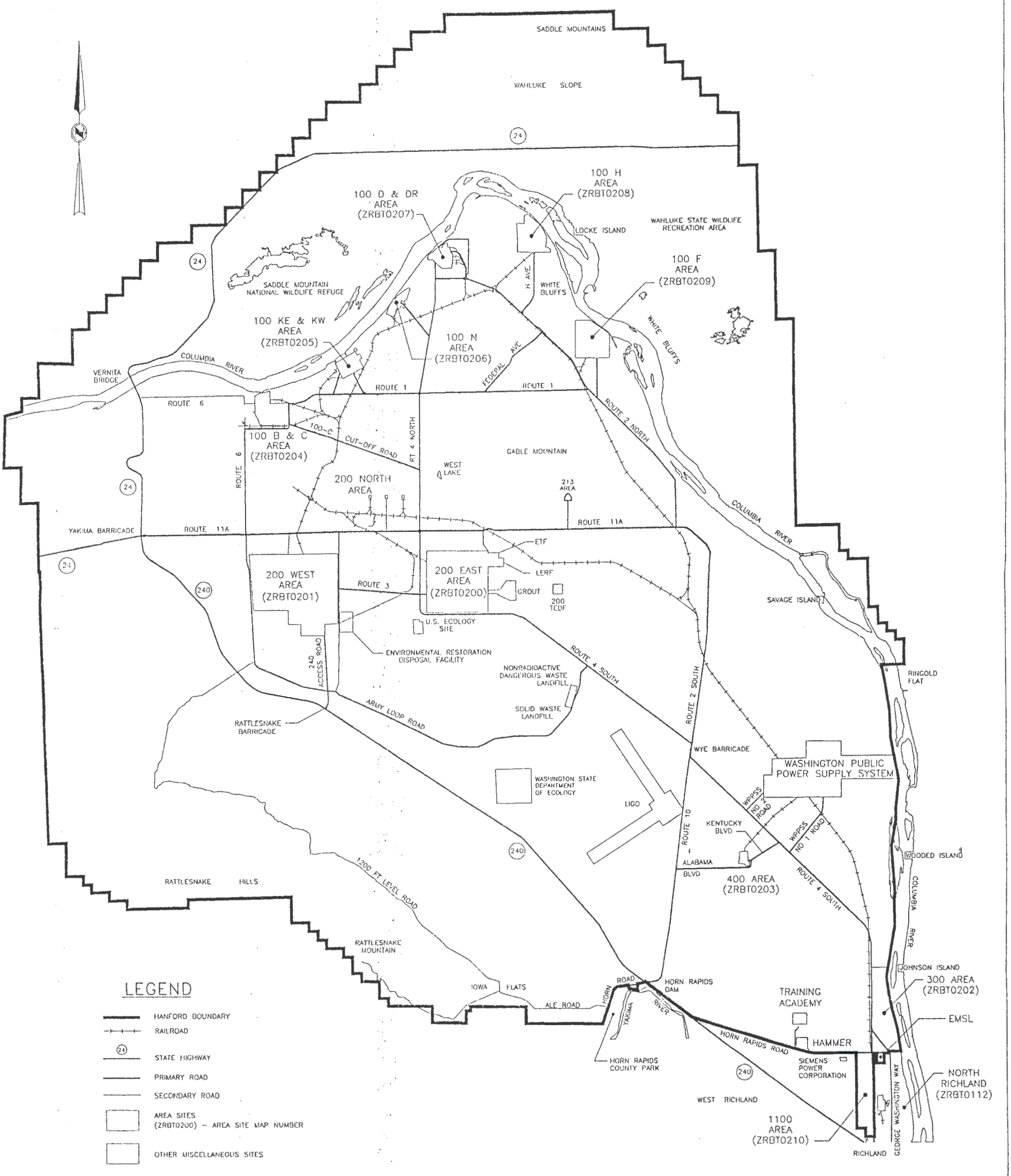
Name and official title of owner/operator OR owner/operator's authorized representative

Signature: James E Rasmussen

Date signed: 02/27/98

Optional Attachments

- [X] I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures



NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR

FLUOR DANIEL NORTHWEST INC. MAPPING SERVICES

CADFILE: ZRBT0195

DATE:

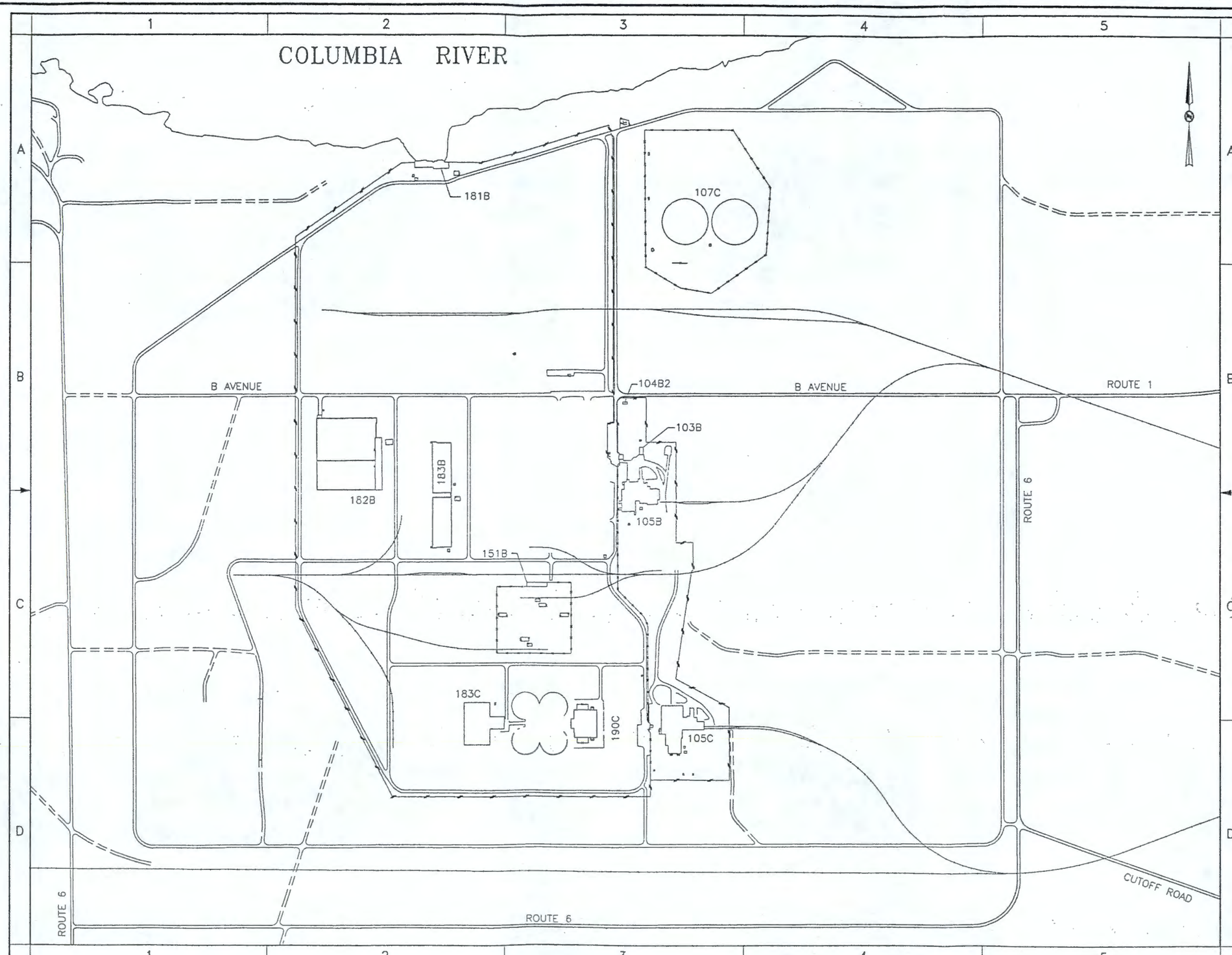
DRAWN BY: RAFAEL TORRES

TITLE: HANFORD SITE MAP

BUILDING NUMBER	ZONE
103B	B3
104B2	B3
105B	C3
105C	D3
107C	A3
151B	C3
181B	A2
182B	B2
183B	C2,B2
183C	D2
190C	D3

LEGEND

- MAJOR BUILDINGS
- MINOR BUILDINGS MISC STRUCTURES/ SHEDS & TOWERS
- 242A BUILDING NUMBERS
- MOBILE OFFICES
- MO240 MOBILE OFFICE NUMBERS
- 216-A-42 CRIBS
- 218-E-10 BURIAL GROUNDS
- IMPROVED ROADS
- UNIMPROVED ROADS
- DIRT ROADS
- RAILROADS
- SECURITY,WARNING & MISC FENCES
- POST & CHAIN (CRIB & BURIAL-GROUND FENCES)
- PERIMETER FENCES
- UNDERGROUND WASTE TANKS
- WATER TANKS
- MISC. TANKS
- BASINS



NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

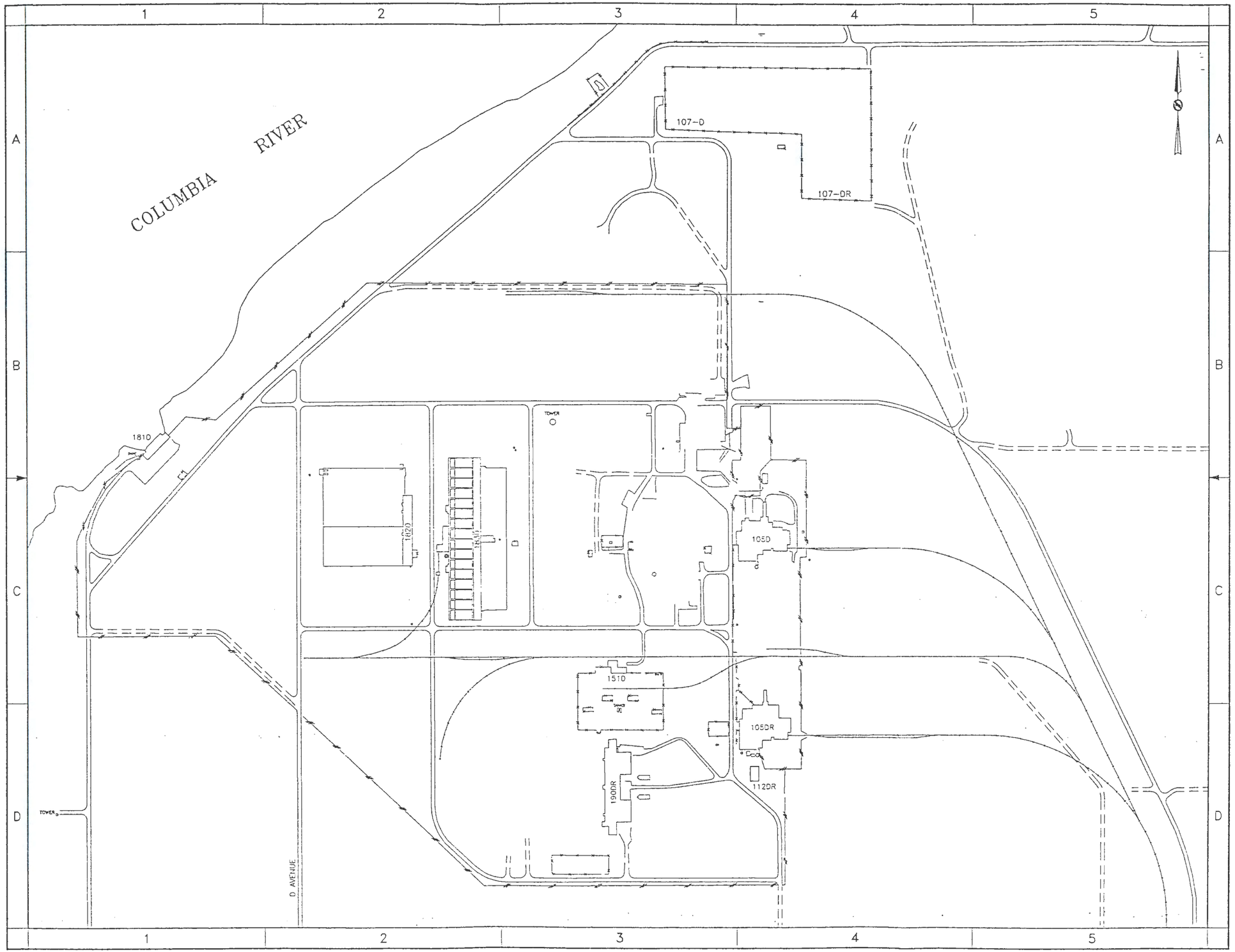
FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0204
DATE: 7-24-96

DRAWN BY: RAFAEL TORRES (376-4433)

TITLE: 100 B AREA

BUILDING NUMBER	ZONE
105D	C4
105DR	D4
112DR	D4
151D	C3
181D	B1
182D	C2
183D	C2
190DR	D3



LEGEND

- MAJOR BUILDINGS
- MINOR BUILDINGS MISC STRUCTURES/ SHEDS & TOWERS
- 242A BUILDING NUMBERS
- MOBILE OFFICES
- MO240 MOBILE OFFICE NUMBERS
- 216-A-42 CRIBS
- 218-E-10 BURIAL GROUNDS
- IMPROVED ROADS
- UNIMPROVED ROADS
- DIRT ROADS
- RAILROADS
- SECURITY,WARNING & MISC FENCES
- POST & CHAIN (CRIB & BURIAL-GROUND FENCES)
- PERIMETER FENCES
- UNDERGROUND WASTE TANKS
- WATER TANKS
- MISC. TANKS

NOTE: THIS MAP IS FOR REFERENCE ONLY.DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0207
DATE: 8-22-95

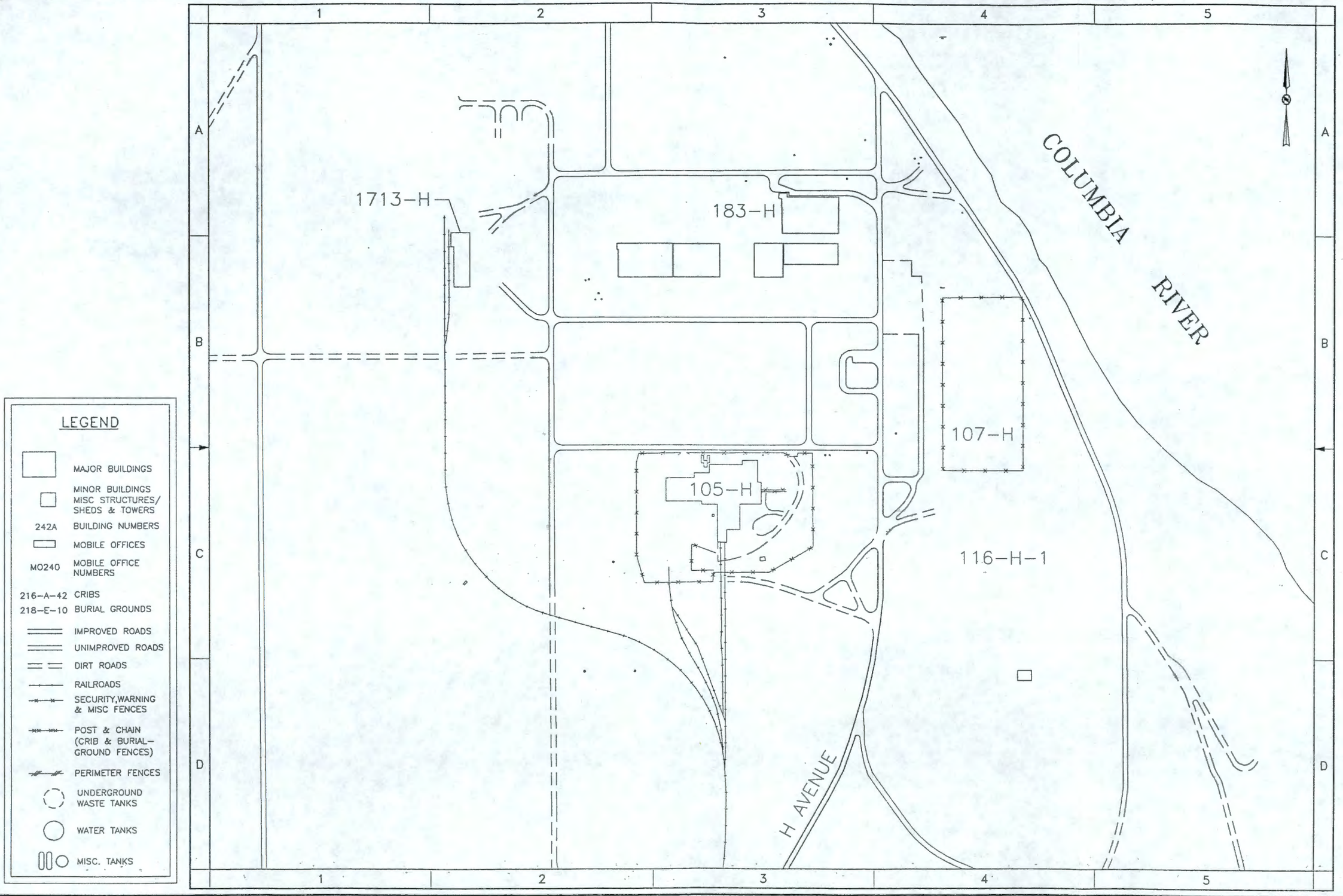
DRAWN BY: RAFAEL TORRES (376-4433)

TITLE: 100 D AREA

NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0209
DATE: 8-1-95
DRAWN BY: RAFAEL TORRES (376-4433)
TITLE: 100 F AREA



NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

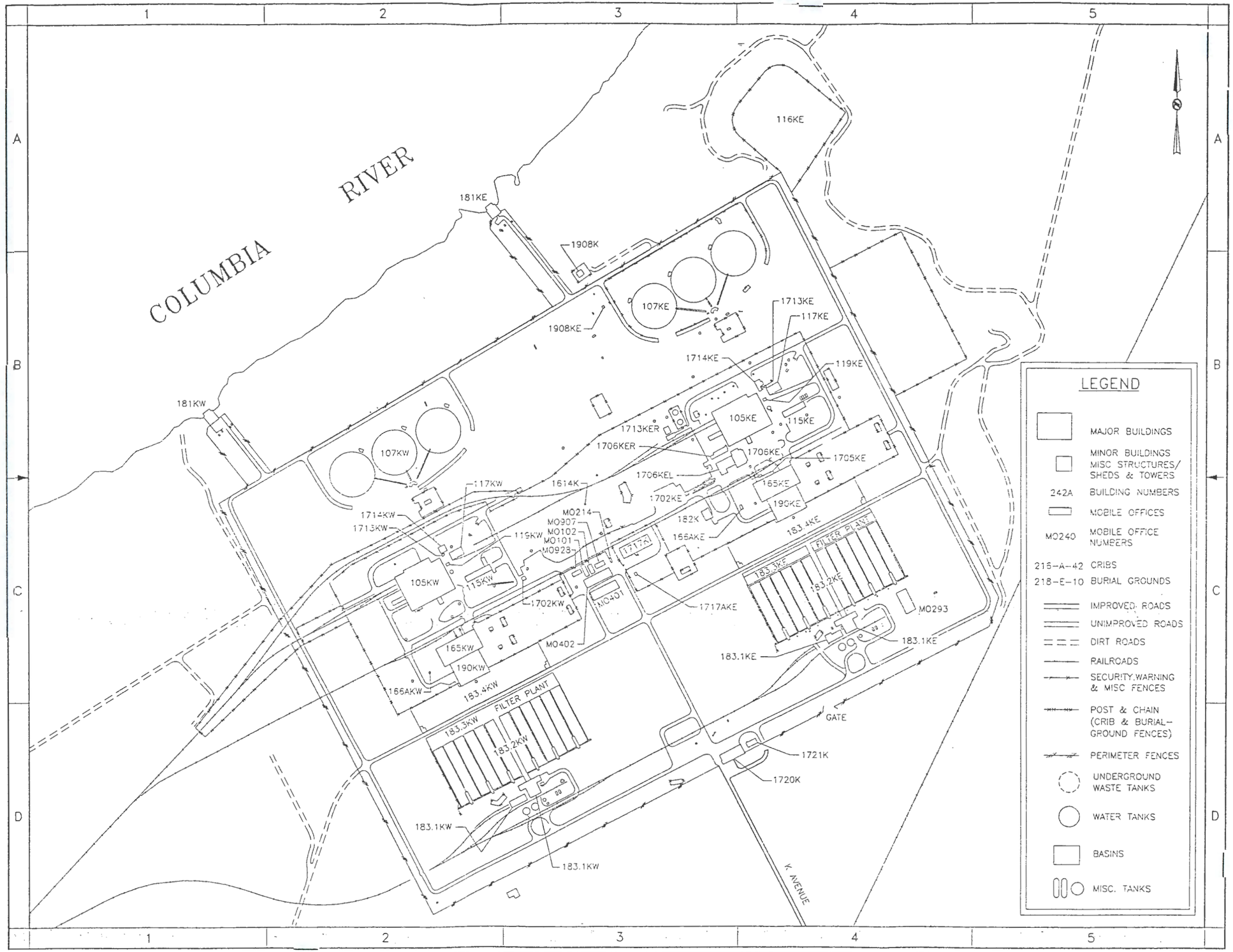
FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0208
DATE: 9-27-94

DRAWN BY: RAFAEL TORRES (376-4433)

TITLE: 100 H AREA

BUILDING NUMBER	ZONE
105KE	B4
105KW	C2
115KE	B4
115KW	C2
117KE	B4
117KW	C2
119KE	B4
119KW	C2
165KE	C4
165KW	C2
166AKW	C2
166AKE	C4
1614K	C3
1702KE	C3
1702KW	C3
1706KE	B4
1706KEL	B3
1706KER	B3
1713KE	B4
1713KER	B3
1713KW	C2
1714KE	B4
1714KW	C2
1717K	C3
1717AKE	C3
1720K	D3
1721K	D4
181KE	A2
181KW	B1
182K	C3
183.1KE	C4
183.2KE	C4
183.3KE	C4
183.4KE	C4
183.1KW	D3
183.2KW	D2
183.3KW	D2
183.4KW	D2
1908K	B3
1908KE	B3
190KE	C4
190KW	C2
MO101 (1711K)	C3
MO102 (1709K)	C3
MO214 (1701K)	C3
MO293 (1725K)	C4
MO401 (1719K)	C3
MO402 (1718K)	C3
MO907 (1722K)	C3
MO928 (1723K)	C3

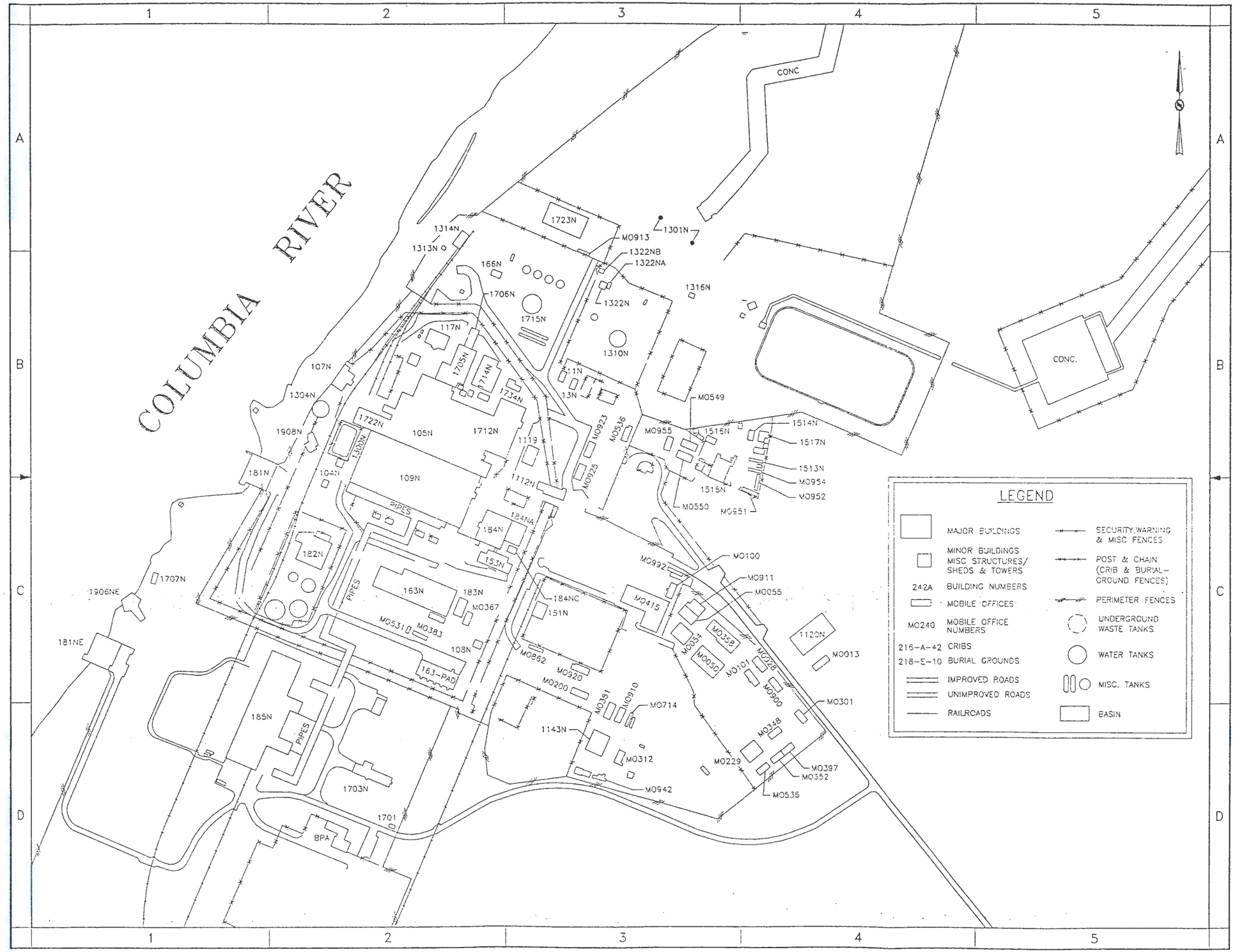


NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0205
DATE: 1-9-96
DRAWN BY: RAFAEL TORRES (376-4433)
TITLE: 100 K AREA

BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE
104N	B2	184NA	C3
105N	B2	184NC	C3
107N	B2	185N	D1
108N	C2	1906NE	C1
109N	C2	1908N	B2
1102N	C3	BPA	D2
1112N	C3	M0013	C4
1119	B3	M0050	C3
1120N	C4	M0054	C3
1143N	D3	M0055	C3
117N	B2	M0100	C3
11N	B3	M0101	C4
1301N	A3	M0200	C3
1313N	A2	M0229	D4
1314N	A2	M0301	D4
1316N	B3	M0312	D3
1322N	B3	M0348	D4
1322NA	B3	M0352	D4
1322NB	B3	M0358	C3
13N	B3	M0367	C2
1513N	B4	M0381	D3
1514N	B4	M0383	C2
1515N	B3	M0397	D4
1516N	B3	M0415	C3
1517N	B4	M0531	C2
151N	C3	M0535	D4
153N	C2	M0536	B3
163N	C2	M0549	B3
163PAD	C2	M0550	B3
166N	B2	M0714	D3
1701	D2	M0862	C3
1703N	D2	M0900	C4
1705N	B2	M0910	D3
1706N	B2	M0911	C3
1707N	C1	M0913	B3
1712N	B2	M0920	C3
1714N	B2	M0923	B3
1722N	B2	M0925	B3
1723N	A3	M0928	C4
1734N	B3	M0942	D3
181N	B1	M0951	C4
181NE	C1	M0952	C4
182N	C2	M0954	B4
183N	C2	M0955	B3
184N	C2	M0992	C3



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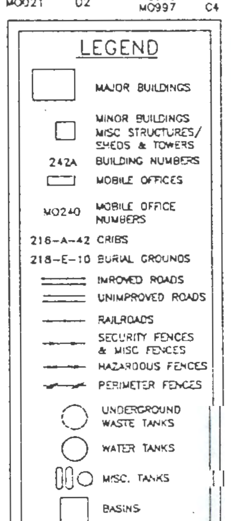
FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

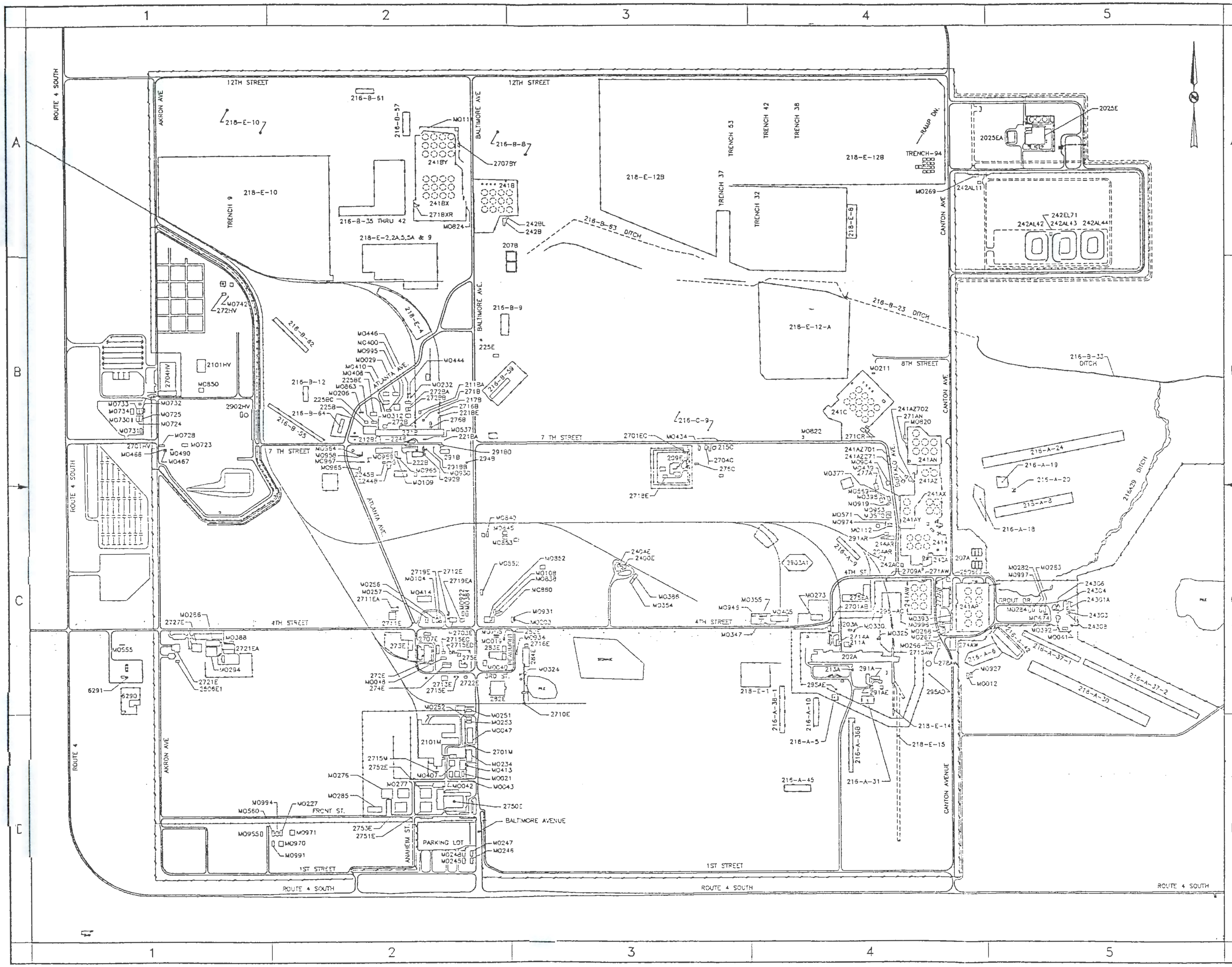
CADFILE: ZRBT0206
DATE: 5-2-96

DRAWN BY: RAFAEL TORRES (376-4433)

TITLE: 100 N AREA

202A	C4	MO029	B2
203A	C4	MO040	C2
204AR	C4	MO041	C5
207A	C4	MO042	D2
207B	B3	MO043	D2
209E	B3	MO047	D2
2025E	A5	MO048	C2
2025EA	A5	MO104	C2
2101HV	B1	MO108	C2
2101M	D2	MO109	B2
211A	C4	MO112	C4
211BA	B2	MO114	A2
212B	B2	MO203	C3
213A	C4	MO206	B2
215C	B3	MO211	B4
217B	B2	MO227	D2
221B	B2	MO234	D2
221BA	B2	MO245	D2
221BD	B2	MO246	D2
222B	B2	MO247	D2
224B	B2	MO248	D2
2244B	B2	MO251	C2
2245B	B2	MO252	D2
225B	B2	MO253	D2
225BC	B2	MO256	C2
225BE	B2	MO257	C2
225E	B2	MO266	C4
2400E	C3	MO267	C4
2404E	C3	MO268	C4
241AZ271	C3	MO269	A5
241AZ701	C3	MO273	C4
241AZ702	C3	MO276	D2
242A	C4	MO277	D2
242AC	C4	MO282	C4
242AL11	A4	MO283	C4
242EL71	A5	MO284	C4
242B	A2	MO285	D2
242BL	A2	MO286	C1
243G1A	C5	MO294	C1
243G3	C5	MO312	B2
243G4	C5	MO324	C3
243G6	C5	MO325	C4
243G8	C5	MO330	C4
244AR	C4	MO347	C4
252E	C2	MO354	C3
2506E1	C1	MO355	C4
2506E2	C4	MO377	C4
272HV	B1	MO384	C2
278AW	C4	MO386	C3
2701AB	C4	MO388	C1
2701EC	B3	MO392	C5
2701HV	B1	MO393	C4
2701M	D2	MO398	C4
2703E	C2	MO400	B2
2704C	B3	MO405	C4
2704HV	B1	MO407	D2
2707BY	A2	MO408	B2
2707E	C2	MO410	B2
2709A	C4	MO413	D2
2710E	C3	MO414	C2
2711E	C2	MO434	B3
2711EA	C2	MO439	C4
2712E	C2	MO444	B2
2713E	C2	MO446	B2
2714A	C4	MO466	B1
2715AW	C4	MO467	B1
2715E	C2	MO490	B1
2715EC	C2	MO537	B2
2715ED	C2	MO552	C2
2715M	D2	MO555	C1
2716B	B2	MO560	D2
2716E	C3	MO569	C4
2718E	B3	MO570	C4
2719E	C2	MO571	C4
2719EA	C2	MO674	C5
271AN	B4	MO705	C2
271AW	C4	MO723	B1
271B	B2	MO724	B1
271BXR	A2	MO728	B1
271CR	B4	MO730	B1
2721E	C1	MO731	B1
2721EA	C1	MO732	B1
2722E	C2	MO733	B1
2727E	C1	MO734	B1
272AW	C4	MO742	B1
2728	B2	MO820	B4
2728A	B2	MO822	B4
2728B	B2	MO824	A1
272E	C2	MO825	B1
273E	C2	MO832	C4
274AW	C4	MO838	C2
274E	C2	MO840	C2
2750E	D2	MO845	C2
2751E	D2	MO850	B1
2752E	D2	MO852	C2
2753E	D2	MO853	C2
275E	C2	MO860	C2
275EA	C4	MO863	B2
276B	B2	MO904	C4
276C	B3	MO919	C4
277A	C4	MO922	C2
282E	C2	MO927	C4
283E	C2	MO930	B2
284E	C3	MO931	C3
291A	C4	MO934	C3
291AE	C4	MO946	C4
291AR	C4	MO953	C4
291B	B2	MO955	D1
2919B	B2	MO958	B2
2919D	B2	MO959	B2
2929	B2	MO964	B2
294B	B2	MO965	B2
295AC	C4	MO966	B2
295AD	C4	MO967	B2
295AE	C4	MO970	D2
2902HV	B1	MO971	D2
6290	C1	MO974	C4
6291	C1	MO991	D2
MO012	C4	MO994	D2
MO019	C2	MO995	B2
MO021	D2	MO996	C4
		MO997	C4





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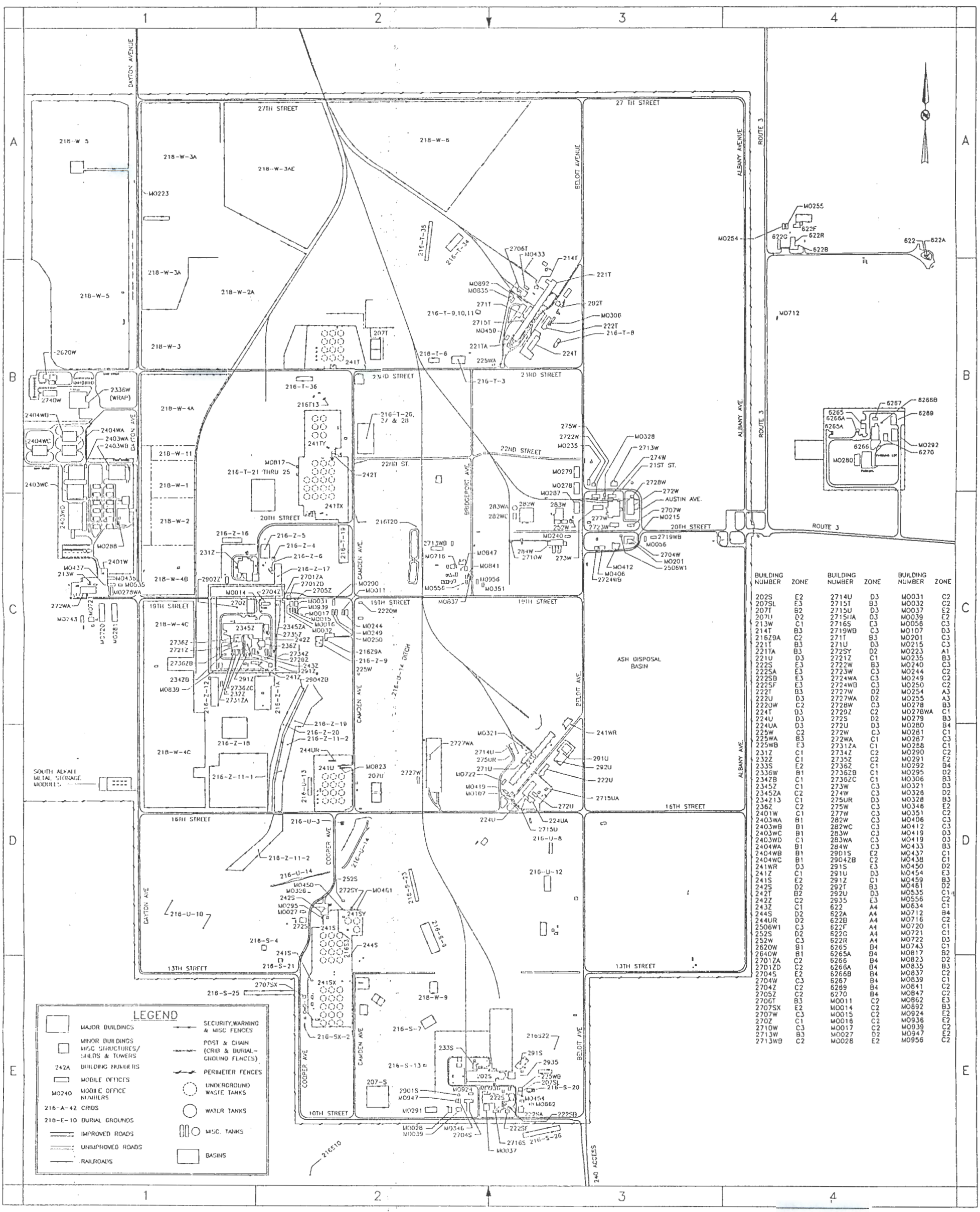
FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE:	ZRBT0200	DRAWN BY:	RAFAEL TORRES (376-4433)
DATE:	7-16-97	TITLE:	200 EAST AREA



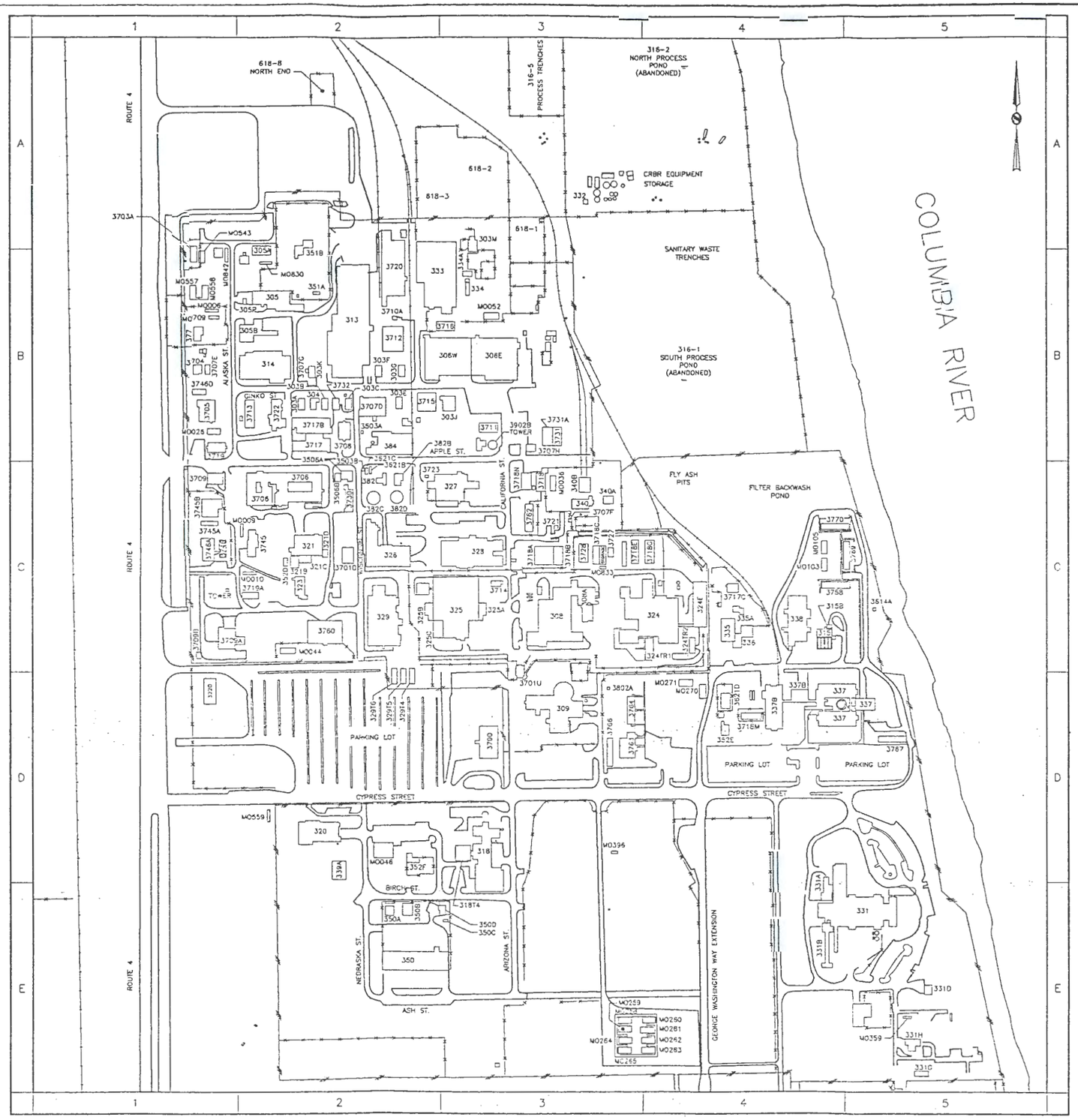
BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE
202S	E2	2714U	D3	M0031	C2
207SL	E3	2715T	B3	M0032	C2
207T	B2	2715U	D3	M0037	E2
207U	D2	2715UA	D3	M0039	E2
213W	C1	2716S	E3	M0056	C3
214T	B3	2719WB	C3	M0107	D3
216Z9A	C2	271T	B3	M0201	C3
221T	B3	271U	D3	M0215	C3
221TA	B3	272SY	D2	M0223	A1
221U	D3	2721Z	C1	M0235	B3
222S	E3	2722W	B3	M0240	C3
222SA	E3	2723W	C3	M0244	C2
222SB	E3	2724WA	C3	M0249	C2
222SF	E3	2724WB	C3	M0250	C2
222T	B3	2727W	D2	M0254	A3
222U	D3	2727WA	D2	M0255	A3
2220W	C2	2728W	C3	M0278	B3
224T	B3	2729Z	C2	M0278WA	C1
224U	D3	272S	D2	M0279	B3
224UA	D3	272U	D3	M0280	B4
225W	C2	272W	C3	M0281	C1
225WA	B3	272WA	C1	M0287	C3
225WB	E3	2731ZA	C1	M0288	C1
231Z	C1	2734Z	C2	M0290	C2
232Z	C1	2735Z	C2	M0291	E2
233S	E2	2736Z	C1	M0292	B4
2336W	B1	2736ZB	C1	M0295	D2
2347B	C1	2736ZC	C1	M0306	B3
2345Z	C1	273W	C3	M0321	D3
2345ZA	C2	274W	C3	M0328	D2
234213	C1	275UR	D3	M0328	B3
236Z	C2	275W	C3	M0346	E2
2401W	C1	277W	C3	M0351	C2
2403WA	B1	282W	C3	M0406	C3
2403WB	B1	282WC	C3	M0412	C3
2403WC	B1	283W	C3	M0419	D3
2403WD	C1	283WA	C3	M0419	D3
2404WA	B1	284W	C3	M0433	B3
2404WB	B1	29D1S	E2	M0437	C1
2404WC	B1	29042B	C2	M0438	C1
241WR	D3	291S	E3	M0450	D2
241Z	C1	291U	D3	M0454	E3
241S	E2	291Z	C1	M0459	B3
242S	D2	292T	B3	M0461	D2
242T	B2	292U	D3	M0535	C1
242Z	C2	2935	E3	M0556	C2
243Z	C1	622	A4	M0634	C1
244S	D2	622A	A4	M0712	B4
244UR	D2	622B	A4	M0716	C2
2506W1	C3	622F	A4	M0720	C1
252S	D2	622G	A4	M0721	C1
252W	C3	622R	A4	M0722	D3
2620W	B1	6265	B4	M0743	C1
2640W	B1	6265A	B4	M0817	B2
2701ZA	C2	6266	B4	M0823	D2
2701ZD	C2	6266A	B4	M0835	B3
2704S	E2	6266B	B4	M0837	C2
2704W	C3	6267	B4	M0839	C1
2704Z	C2	6269	B4	M0841	C2
2705Z	C2	6270	B4	M0847	C2
270GT	B3	M0011	C2	M0862	E3
2707SX	E2	M0014	C2	M0892	B3
2707W	C3	M0015	C2	M0924	E2
270Z	C1	M0016	C2	M0936	E2
2710W	C3	M0017	C2	M0939	C2
2713W	B3	M0027	D2	M0947	E2
2713WB	C2	M0028	E2	M0956	C2

NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0201
DATE: 9-30-97
DRAWN BY: RAFAEL TORRES (376-4433)
TITLE: 200 WEST AREA

BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE
303A	B2	339A	D2	3722	B2
303B	B2	340	C3	3723	C2
303C	B2	340A	C3	3727	C3
303E	B2	340B	C3	3728	C3
303F	B2	350	E2	3730	C2
303G	B2	350A	E2	3731	B3
303J	B3	350B	E2	3731A	B3
303K	B2	350C	E3	3732	B2
303M	A3	350D	E3	3745	C2
304	B2	3503A	B2	3745A	C1
305	B2	3503B	C2	3745B	C1
305A	B2	3506A	C2	3746	C1
305B	B2	3506B	C2	3746A	C1
305P	B2	350A	E2	3746D	B1
306E	B3	350B	E2	3760	C2
306W	B3	350C	E3	3762	C3
308	C3	350D	E3	3763	D3
308A	C3	351A	B2	3764	D3
309	D3	351B	B2	3766	D3
313	B2	352D	C2	3767	D5
314	B2	352E	D4	3768	C4
315	C4	352F	D2	3769	C5
315B	C4	3614A	C5	377	B1
318	D3	3621B	C2	3770	C4
318T4	D3	3621C	C2	3790	D3
320	D2	3621D	D4	3802A	D3
321	C2	3701D	C2	382	C2
321B	C2	3701U	D3	382B	C2
321C	C2	3702	C2	382C	C2
321D	C2	3703A	B1	382D	C2
3220	D1	3704	B1	384	B2
323	C2	3705	B1	M0006	B1
324	C4	3706	C2	M0009	C2
324E	C4	3707D	B2	M0010	C2
324TR1	C4	3707E	B1	M0026	B1
324TR2	C4	3707F	C3	M0036	C3
325	C3	3707G	B2	M0044	C2
325A	C3	3707H	B3	M0046	D2
325B	C2	3708	B2	M0052	B3
325C	C2	3709	C1	M0103	C4
326	C2	3709A	C1	M0105	C4
327	C3	3709B	C1	M0258	E3
328	C3	3710A	B2	M0259	E3
329	C2	3711	B3	M0260	E4
329T4	D2	3712	B2	M0261	E4
329T5	D2	3713	B2	M0262	E4
329T6	D2	3714	C3	M0263	E4
331	E5	3715	B2	M0264	E3
331A	E4	3716	B3	M0265	E3
331B	E4	3717	B2	M0270	D4
331C	E5	3717B	B2	M0271	D4
331D	E5	3717C	C4	M0350	C2
331G	E5	3718	C3	M0359	E5
331H	E5	3718A	C3	M0396	D3
332	A3	3718B	C3	M0543	B1
333	B2	3718C	C3	M0557	B1
334	B3	3718E	C3	M0558	B1
334A	B3	3718G	C4	M0559	D2
335	C4	3718M	D4	M0565	B1
335A	C4	3718N	C3	M0709	B1
336	C4	3719	B1	M0830	B2
337	D4	3719A	C2	M0833	C3
337B	D4	3720	B2	M0842	B1
338	C4	3721	C3		



LEGEND

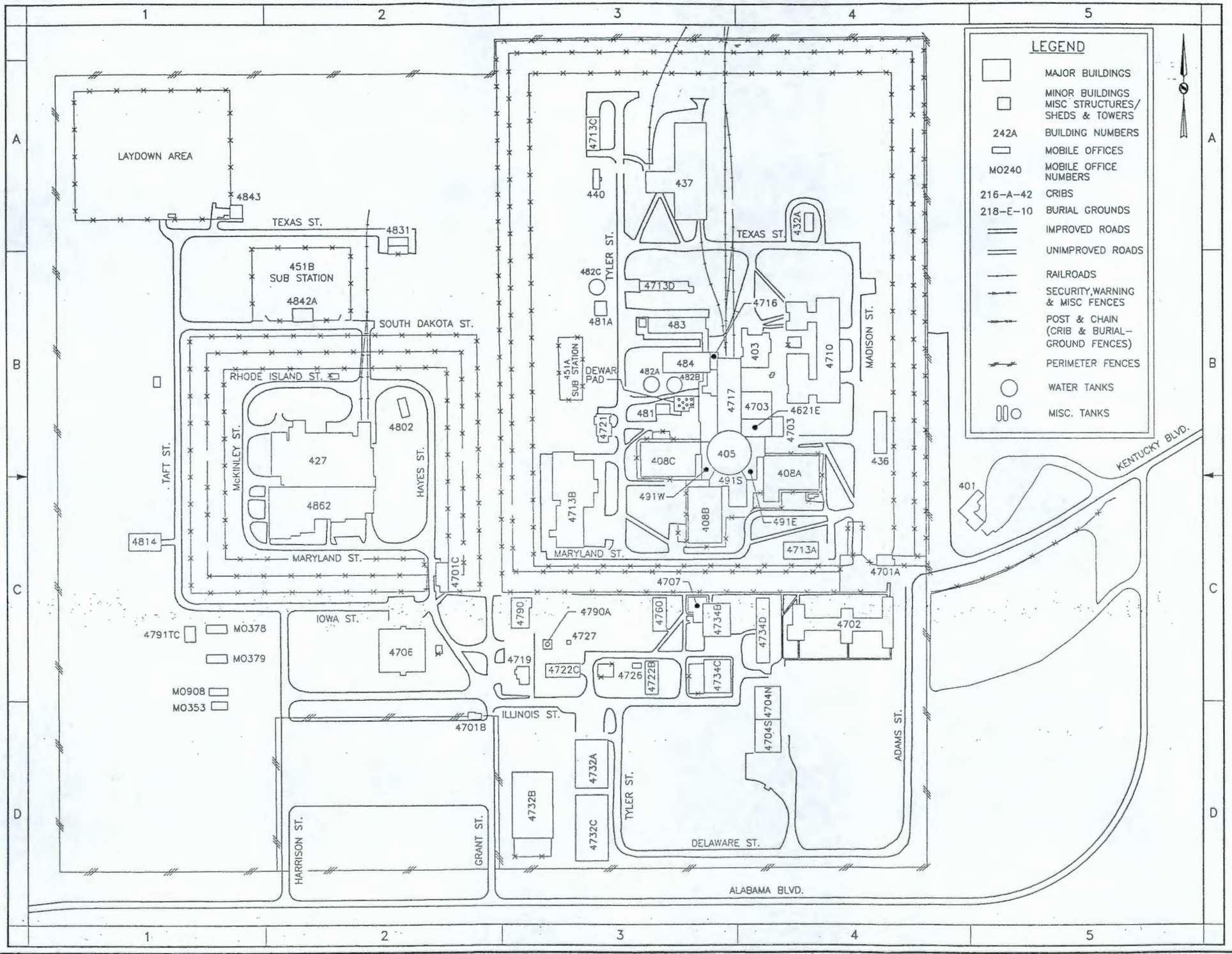
- MAJOR BUILDINGS
- MINOR BUILDINGS MISC STRUCTURES/ SHEDS & TOWERS
- 242A BUILDING NUMBERS
- MOBILE OFFICES
- M0240 MOBILE OFFICE NUMBERS
- 216-A-42 CRIBS
- 218-E-10 BURIAL GROUNDS
- ROADS
- RAILROADS
- SECURITY, WARNING & MISC FENCES
- POST & CHAIN (CRIB & BURIAL-GROUND FENCES)
- PERIMETER FENCES
- UNDERGROUND WASTE TANKS
- WATER TANKS
- MISC. TANKS

NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0202
DATE: 7-23-97
DRAWN BY: RAFAEL TORRES (376-4433)
TITLE: 300 AREA

BUILDING NUMBER	ZONE
401	C4
403	B4
405	B3
408A	B4
408B	C3
408C	B3
427	B2
432A	A4
436	B4
437	A3
440	A3
4621E	B4
4701A	B4
4701B	D2
4701C	C2
4702	B4
4703	B4
4703	B4
4704N	D4
4704S	D4
4706	C2
4707	C3
4710	B4
4713A	B4
4713B	C3
4713C	A3
4713D	B3
4716	B3
4717	B3
4719	C3
4721	B3
4722B	C3
4722C	C3
4726	C3
4727	C3
4732A	D3
4732B	D3
4732C	D3
4734B	C3
4734C	C3
4734D	B4
4760	C3
4790	C3
4791TC	C1
4802	B2
481	B3
4814	C1
481A	B3
483	B3
4831	A2
484	B3
4842A	B2
4843	A1
4862	C2
491E	B4
491S	C3
491W	B3
MO353	D1
MO378	C1
MO379	C1
MO908	C1
TOWER	C3
DEWAR PAD	B3
LAYDOWN AREA	A1
451A SUB STATION	B3
451B SUB STATION	B2



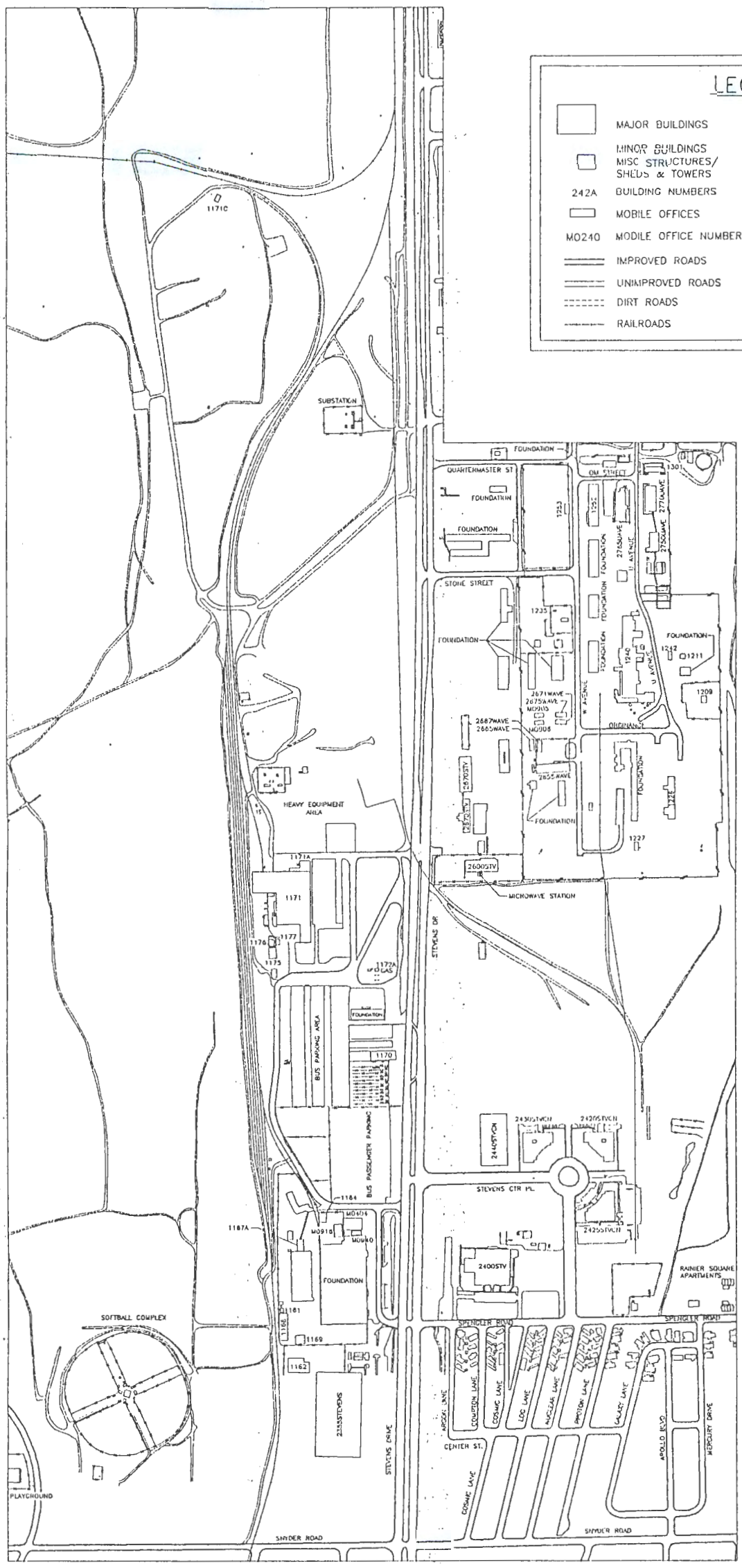
NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP

CADFILE: ZRBT0203
DATE: 5-3-95

DRAWN BY: RAFAEL TORRES (376-4433)

TITLE: 400 AREA



LEGEND

- MAJOR BUILDINGS
- MINOR BUILDINGS MISC STRUCTURES/ SHEDS & TOWERS
- 242A BUILDING NUMBERS
- MOBILE OFFICES
- M0240 MOBILE OFFICE NUMBERS
- IMPROVED ROADS
- UNIMPROVED ROADS
- DIRT ROADS
- RAILROADS
- 216-A-42 CRIBS
- 218-E-10 BURIAL GROUNDS
- SECURITY,WARNING & MISC FENCES
- POST & CHAIN (CRIB & BURIAL-GROUND FENCES)
- PERIMETER FENCES
- UNDERGROUND WASTE TANKS
- WATER TANKS
- MISC. TANKS

BUILDING NUMBER	ZONE
1161	E2
1162	E2
1164	D2
1167A	D2
1168	E2
1169	E2
1170	D2
1171	C2
1171A	C2
1171C	A1
1172A	D2
1175	D2
1176	C2
1177	C2
1209	C3
1211	C3
1226	C3
1227	C3
1235	B2
1240	C3
1242	C3
1252	B3
1253	B2
1301	B3
2355STEVENS	E2
2400STV	D2
2430STVCN	D2
2440STVCN	D2
2420STVCN	D3
2425STVCN	D3
2600STV	C2
2655WAVE	C2
2665WAVE	C2
2667WAVE	C2
2670STV	C2
2671WAVE	C2
2675WAVE	C2
2750UAVE	B3
2765UAVE	B3
2770UAVE	B3
M0404	D2
M0905	C2
M0906	C2
M0916	D2
M0940	D2
SUBSTATION	B2

NOTE: THIS MAP IS FOR REFERENCE ONLY. DO NOT USE FOR CONSTRUCTION OR ENGINEERING PURPOSES.

FLUOR DANIEL NORTHWEST INC.
MAPPING SERVICES GROUP
Page 75 of 75 pages

CADFILE: ZRBT0210
DATE: 8-7-97
DRAWN BY: RAFAEL TORRES (376-4433)
TITLE: 1100 AREA

TIER TWO INSTRUCTIONS

General Information

Submission of this Tier Two form (when requested) is required by Title III of the Superfund Amendments and Reauthorization Act of 1986, Section 312, Public Law 99-499, codified at 42 U.S.C. Section 11022. The purpose of the Tier Two form is to provide State and local officials and the public with specific information on hazardous chemicals present at your facility during the past year.

Certification

The owner or operator or the officially designated representative of the owner or operator must certify that all information included in the Tier Two submission is true, accurate, and complete. On the first page of the Tier Two report, enter your full name and official title. Sign your name and enter the current date. Also, enter the total number of pages included in the Confidential and Non-Confidential Information Sheets as well as all attachments. An *original* signature is required on at least the first page of the submission. Submissions to the SERC, LEPC, and local fire departments must each contain an *original* signature on at least the first page. Subsequent pages must contain either an original signature, a photocopy of the original signature, or a signature stamp. Each page must contain the date on which the original signature was affixed to the first page of the submission and the total number of pages in the submission.

Who Must Submit This Form

Section 312 of Title III requires that the owner or operator of a facility submit this Tier Two form if so requested by a State emergency response commission, a local emergency planning committee, or the local fire departments with jurisdiction over the facility.

This request may apply to the owner or operator of any facility that is required, under regulations implementing the Occupational Safety and Health Act of 1970, to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical present at the facility. MSDS requirements are specified in the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, found in Title 29 of the Code of Federal Regulations at §1910.1200. This form does not have to be submitted if all of the chemicals located at your facility are excluded under Section 311(e) of Title III.

What Chemicals Are Included

If you are submitting Tier Two forms in lieu of Tier One, you must report the required information on this Tier Two form for each hazardous chemical present at your facility in quantities equal to or greater than established threshold amounts (discussed below), unless the chemicals are excluded under Section 311(e) of Title III. Hazardous chemicals are any substance for which your facility must maintain an MSDS under OSHA's Hazard Communication Standard.

What Chemicals Are Excluded

Section 311(e) of Title III excludes the following substances:

(i) Any food, food additive, color additive, drug, or cosmetic regulated by the Food and Drug Administration;
(ii) Any substance present as a solid in any manufactured item to the extent exposure to the substance does not occur under normal conditions of use;
(iii) Any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution and use by the general public;
(iv) Any substance to the extent it is used in a research laboratory or a hospital or other medical facility under the direct supervision of a technically qualified individual;
(v) Any substance to the extent it is used in routine agricultural operations or is a fertilizer held for sale by a retailer to the ultimate customer.

OSHA Hazard Communication regulations, 29 CFR §1910.1200(b), stipulate exemptions from the requirement to prepare or have available an MSDS.

Reporting Thresholds

Minimum thresholds have been established for Tier One/Tier Two reporting under Title III, Section 312. These thresholds are as follows:

For Extremely Hazardous Substances (EHSs) designated under section 302 of Title III, the reporting threshold is 500 pounds or the threshold planning quantity (TPQ), whichever is lower.

For all other hazardous chemicals for which facilities are required to have or prepare an MSDS, the minimum reporting threshold is 10,000 pounds.

You need to report hazardous chemicals that were present at your facility at any time during the previous calendar year at levels that equal or exceed these thresholds. For instructions on threshold determinations for components of mixtures, see the Chemical Information section on page 9 of these instructions.

When to Submit This Form

Owners or operators of facilities that have hazardous chemicals on hand in quantities equal to or greater than set threshold levels must submit Tier Two forms by March 1.

Where to Submit This Form

Send completed Tier Two form to each of the following organizations:

1. Your State Emergency Response Commission.
2. Your Local Emergency Planning Committee.
3. The fire department with jurisdiction over your facility.

Penalties

Any owner or operator who violates any Tier Two reporting requirements shall be liable to the United States for a civil penalty of up to $25,000 for each such violation. Each day a violation continues shall constitute a separate violation.

Completing the Forms

Reporting Period:
Enter the appropriate calendar year, beginning January 1 and ending December 31.

Facility Identification:
Enter the full name of your facility (and company identifier where appropriate). Enter the full street address or state road. If a street address is not available, enter other appropriate identifiers that describe the physical location of your facility (e.g., longitude and latitude). Include city, county, state, and zip code.

Enter the primary Standard Industrial Classification (SIC) code and the Dun & Bradstreet number for your facility. The financial officer of your facility should be able to provide the Dun & Bradstreet number. If your firm does not have this information, contact the State or regional office of Dun & Bradstreet to obtain your facility number or have one assigned.

Owner/Operator:
Enter the owner's or operator's full name, mailing address, and phone number.

Emergency Contact:
Enter the name, title, and work phone number of at least one local person or office who can act as a referral if emergency responders need assistance in responding to a chemical accident at the facility. Provide an emergency phone number where such emergency information will be available 24 hours a day, every day. The requirement is mandatory. The facility must make some arrangement to ensure a 24 hour contact is available.

Identical Information:
Check the box indicating identical information, located below the emergency contacts on the Tier Two form, if the current chemical information being reported is identical to that submitted last year. Chemical descriptions, hazards, amounts, and locations must be provided in this year's form, even if the information is identical to that submitted last year.

Chemical Information: Description, Hazards, Amounts, and Locations:
The main section of the Tier Two form requires specific information on amounts and locations of hazardous chemicals, as defined in the OSHA Hazard Communication Standard.

If you choose to indicate that all of the information on a specific hazardous chemical is identical to that submitted last year, check the appropriate optional box provided at the right side of the storage codes and locations on the Tier Two form. Chemical descriptions, hazards, amounts, and locations must be provided even if the information is identical to that submitted last year.

Calculate all amounts as weight in pounds. To convert gas or liquid volume to weight in pounds, multiply by an appropriate density factor. If a chemical is part of a mixture, you have the option of reporting either the weight of the entire mixture or only the portion of the mixture that is a particular hazardous chemical. The option used for each mixture must be consistent with the option used in your Section 311 reporting.

Chemical Description:
Enter the Chemical Abstract Service registry number (CAS). For mixtures, enter the CAS number of the mixture as a whole if it has been assigned a number distinct from its constituents. For a mixture that has no CAS number, leave this item blank or report the CAS numbers' of as many constituent chemicals as possible. Enter the chemical name or common name of each hazardous chemical. Check box for ALL applicable descriptors: pure or mixture; and solid, liquid, or gas; and whether the chemical is or contains an EHS. If the chemical is a mixture containing an EHS, enter the chemical name of each EHS in the mixture.

If you are withholding the name of a chemical in accordance with criteria specified in Title III, Section 322, enter the generic class or category that is structurally descriptive of the chemical (e.g., list toluene diisocyanate as organic isocyanate) and check the box marked Trade Secret. Trade secret information should be submitted to EPA and must include a substantiation. Please refer to EPA's final regulation on trade secrecy (53 FR 28772, July 29, 1988) for detailed information on how to submit trade secrecy claims.

Physical and Health Hazards:
For each chemical you have listed, check all the physical and health hazard boxes that apply. These hazard categories are defined in 40 CFR 370.2. The two health hazard categories and three physical hazard categories are a consolidation of the 23 hazard categories defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

HAZARD CATEGORY COMPARISON FOR REPORTING UNDER SECTIONS 311 AND 312

EPA's hazard categories	OSHA's hazard categories
Fire Hazard	Flammable Combustible Liquid Pyrophoric Oxidizer
Sudden Release of Pressure	Explosive Compressed Gas
Reactive	Unstable Reactive Organic Peroxide Water Reactive
Immediate (Acute) Health Hazard	Highly Toxic Toxic Irritant Sensitizer Corrosive Other hazardous chemicals with an adverse effect with short term exposure
Delayed (Chronic) Health Hazard	Carcinogen Other hazardous chemicals with an adverse effect with long term exposure

Maximum Amount:
For each hazardous chemical, estimate the greatest amount present at your facility on any single day during the reporting period. Find the appropriate range value code on Table I. Enter this code as the Maximum Daily Amount.

Average Daily Amount:
For each hazardous chemical, estimate the average weight in pounds that was present at your facility during the year. To do this, total all daily weights and divide by the number of days the chemical was present on the site. Find the appropriate range value code in Table I. Enter this code as the Average Daily Amount.

TABLE I -- REPORTING RANGES

Range Value Code	Weight range in pounds	
	From	To
01	0	99
02	100	999
03	1,000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
.07	10,000,000	49,000,000
08	50,000,000	99,999,999
08	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 billion	higher than 1 billion

Number of Days On-Site:
Enter the number of days that the hazardous chemical was found on-site.

Storage Codes and Storage Locations:
List all non-confidential chemical locations in this column, along with storage types/conditions associated with each location. Please note that a particular chemical may be located in several places around the facility. Each row of boxes followed by a line represents a unique location for the same chemical.

For each location, find the appropriate codes for defining the storage types (from Table II) and pressure and temperature conditions (see Table III). Enter the applicable code for the storage type in the first box, the pressure code in the second box, and the temperature code in the third box.

TABLE II -- STORAGE TYPES

Codes	Types of Storage	Codes	Types of storage
A	Above ground tank	J	Bag
B	Below ground tank	K	Box
C	Tank inside building	L	Cylinder
D	Steel drum	M	Glass bottles or jugs
E	Plastic or non-metallic drum	N	Plastic bottles or jugs
F	Can	O	Tote bin
G	Carboy	P	Tank wagon
H	Silo	Q	Rail car
I	Fiber drum	R	Other

TABLE III--TEMPERATURE AND PRESSURE CONDITIONS

Codes	Pressure conditions	Codes	Temperature conditions
1	Ambient pressure	4	Ambient temperature
2	Greater than ambient pressure	5	Greater than ambient temperature
3	Less than ambient pressure	6	Less than ambient temperature, but not cryogenic
		7	Cryogenic conditions

Storage Locations:
Provide a brief description of the precise location of the chemical, so that emergency responders can locate the area easily. You may find it advantageous to provide the optional site plan or site coordinates as explained below. For each chemical, indicate at a minimum the building or lot. Additionally, where practical, the room or area may be indicated. You may respond in narrative form with appropriate site coordinates or abbreviations. If the chemical is present in more than one building, lot, or area location, continue your responses down the page as needed. If the chemical exists everywhere at the plant site simultaneously, you may report that the chemical is ubiquitous at the site.

Optional attachments:
If you choose to attach one of the following, check the appropriate Attachments box at the bottom of the Tier Two form.

a. A site plan with site coordinates indicated for buildings, lots, areas, etc. throughout your facility.
b. A list of site coordinate abbreviations that correspond to buildings, lots, areas, etc. throughout your facility.

c. A description of dikes and other safeguard measures for storage locations throughout your facility.

Confidential Information:
Under Title III, Section 324, you may elect to withhold location information on a specific chemical from disclosure to the public. If you choose to do so, enter the word "confidential" in the Non-Confidential Location section of the Tier Two form on the first line of the storage locations. On a separate Tier Two Confidential Location Information Sheet, enter the name and CAS number of each chemical for which you are keeping the location confidential. Enter the appropriate location and storage information, as described above for non-confidential locations. Attach the Tier Two Confidential Location Information Sheet to the Tier Two form. This separates confidential locations from other information that will be disclosed to the public.

Certification:
Instructions for this section are included on page one of these instructions.

BUILDING INDEX

100DR1, 100D Area
(Operable unit)
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1143N, 100N Area
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1167, 1100 Area
50, 75

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1171, 1100 Area
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1515N, 100N Area
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151B, 100B Area
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151D, 100D Area
60, 66

1706KE, 100K Area
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1706N, 100N Area
29, 53, 70

1714N, 100N Area
28, 53, 56, 60, 70

1714NB, 100N Area
18, 41, 70

1717K, 100K Area
4, 32, 36, 69

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