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DOE/RL-99-16

1998 Tier Two Emergency and Hazardous Chemical Inventory

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

4 MAR 1999 RECEIVED EDMC

United States
Department of Energy
Richland, Washington

Approved for Public Release

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Date Published
February 1999

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

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1998 HANFORD SITE TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY
DOE/RL-99-16

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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.

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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

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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, 1998

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

Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Type	Pres	Temp	Storage Codes and Locations (Non-Confidential) Storage Locations		Opt
CAS 1344-28-1; Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	F K F F I J	1 1 1 1 1 1	4 4 4 4 4 4	1330N WASTE STORAGE 1723N WAREHOUSE 190DR WAREHOUSE 2101HV WAREHOUSE 2101M WAREHOUSE 2101M WAREHOUSE	100N AREA 100N AREA 100D/DR AREA 200E AREA 200E AREA 200E AREA	☐
CAS 1344-28-1; Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	K M J K M F	1 1 1 1 1 1	4 4 4 4 4 4	2101M WAREHOUSE 2101M BUILDING, ROOM 210 221T CANYON 221T CANYON 222S LAB 222SA LAB	200E AREA 200E AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 1344-28-1; Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	M N J F M N	1 1 1 1 1 1	4 4 4 4 4 4	222SA LAB 222SA LAB 233S BUILDING 234-5Z, ROOM 116 234-5Z, ROOM 202 234-5Z BUILDING	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 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 70, 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

James E Rasmussen
Signature

02/26/99
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

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CAS 1344-28-1; Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	M N F N J R	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOX BY 306E LAB 300 AREA CONEX BOX BY 306E LAB 300 AREA 324 BUILDING, ROOM 3F 300 AREA 327 LAB, ROOM 20 300 AREA 3718G STORAGE BUILDING 300 AREA 427 BUILDING, ROOM 352 400 AREA	☐
CAS 1344-28-1; Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	D K D F F R	1 1 1 1 1 1	4 4 4 4 4 4	4732A WAREHOUSE 400 AREA 4732A WAREHOUSE 400 AREA 4732C WAREHOUSE 400 AREA 622R LAB NE OF 200W AREA 6266 LAB E OF 200W AREA 6266 LAB E OF 200W AREA	☐

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CAS 13448-28-1 Trade Secret ☐ Chem. Name ALUMINUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	K	1	4	HTS PIPEYARD CONEX BOX NE OF 200E AREA	☐
CAS 10043-01-3 Trade Secret ☐ Chem. Name ALUMINUM SULFATE DIHYDRATE 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)	A	1	4	TANK BY 183N FILTER PLANT 100N AREA	☐
			M	1	4	234-5Z, ROOM 186 200W AREA	
			J	1	4	283E FILTRATION PLANT 200E AREA	
			J	1	4	283W FILTRATION PLANT 200W AREA	
			N	1	4	306E LAB, ROOM 166B 300 AREA	
			C	1	4	315 FILTER PLANT 300 AREA	
CAS 10043-01-3 Trade Secret ☐ Chem. Name ALUMINUM SULFATE DIHYDRATE 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)	E	1	4	315 FILTER PLANT 300 AREA	☐
			M	1	4	315 FILTER PLANT 300 AREA	
			N	1	4	3746D BUILDING 300 AREA	

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CAS ☐ Trade Secret ☐ Chem. Name AMMUNITION Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ 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)	K	1	4	PATROL TRAINING ACADEMY AMMUNITION CONEX	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	2	4	105KE, CORRIDOR 4 100K AREA	☐
			L	2	4	SHACK NE OF 105KE 100K AREA	
			L	2	4	105KW, CORRIDOR 4 100K AREA	
			L	2	4	SHACK NE OF 105KW 100K AREA	
			L	2	4	1168 CYLINDER STORAGE 1100 AREA	
			L	2	4	1171 SHOP, DEACTIVATED 1100 AREA	
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	2	4	1512N GAS STORAGE 100N AREA	☐
			L	2	4	1515N SHOP 100N AREA	
			L	2	4	165KE POWER CONTROL BUILDING 100K AREA	
			L	2	4	1706KE LAB 100K AREA	
			L	2	4	1717K WAREHOUSE 100K AREA	
			L	2	4	1724KB GAS STORAGE BUILDING 100K AREA	

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CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			CYLINDER SHED S OF 2101M 200E AREA 2200B PORTAL MONITOR BUILDING 200E AREA 221B HAND & FOOT COUNTERS 200E AREA 221T, DOCK 2 200W AREA 222S LAB 200W AREA 222SA LAB 200W AREA	☐
CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			2244B SHOP 200E AREA 2247B SHOP 200E AREA 2249B GAS BOTTLE STORAGE 200E AREA 225B BUILDING 200E AREA 2304W SHOP 200W AREA 2306W SHOP 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

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	2307W SHOP 2309W SHOP 2310W SHOP 2336W PROCESS AREA 234-5Z, ROOM 183 241AN TANK FARM PORTAL MONITOR	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200E AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	241AP TANK FARM 241AW TANK FARM PORTAL MONITOR 241AY TANK FARM PORTAL MONITOR 241BX TANK FARM PORTAL MONITOR 241C TANK FARM PORTAL MONITOR 241SX TANK FARM PORTAL MONITOR	200E AREA 200E AREA 200E AREA 200E AREA 200E AREA 200W AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	241SY TANK FARM PORTAL MONITOR 241T TANK FARM PORTAL MONITOR 241TX TANK FARM PORTAL MONITOR 241U TANK FARM PORTAL MONITOR 242A EVAPORATOR 242AC SHOP	200W AREA 200W AREA 200W AREA 200W AREA 200E 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

James E Rasmussen
Signature

02/26/99
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
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Phone ( ) ____ 24 Hr. Phone ( ) ____

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CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4	242S EVAPORATOR 200W AREA 2620W SHOP 200W AREA 2703E BUILDING 200E AREA 2711E GARAGE/SHOP 200E AREA 2713WB SHOP 200W AREA 2716E BOTTLE STORAGE 200E AREA	☐
CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4	271B BUILDING 200E AREA 2721EA BUILDING 200E AREA 272AW BOTTLE DOCK 200E AREA 272W SHOP 200W AREA BOTTLE DOCK E OF 272WA 200W AREA 2734ZC GAS STORAGE 200W AREA	☐
CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 7	2734ZF GAS STORAGE 200W AREA 2734ZK GAS STORAGE 200W AREA 2736ZB GAS STORAGE 200W AREA 275W SHOP 200W AREA 277A SHOP 200E AREA 277W CYLINDER DOCK 200W AREA	☐

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CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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	324 BUILDING GAS DOCK 325 BUILDING 327 LAB 328 BUILDING CYLINDER DOCK GAS RACK N SIDE OF 333 BUILDING 350 BUILDING	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 300 AREA	☐
CAS 7440-37-1 Trade Secret ☐ Chem. Name ARGON 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 A L	2 2 2 2 2 2	4 4 4 4 7 4	3712 STORAGE BUILDING 3717B LAB 3722 SHOP 384 STEAM PLANT, DEACTIVATED 403 FUELS STORAGE FACILITY 403 FUELS STORAGE FACILITY	300 AREA 300 AREA 300 AREA 300 AREA 400 AREA 400 AREA	☐

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CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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 A L L L	2 2 2 2 2 2	4 4 7 4 4 4	437 STORAGE BUILDING 400 AREA 4621E BUILDING 400 AREA TANK BY 4621W 400 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA 4713D STORAGE BUILDING 400 AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	4717 SERVICE BUILDING 400 AREA 4760 SHOP 400 AREA 491E SERVICE BUILDING 400 AREA 491S SERVICE BUILDING 400 AREA 491W SERVICE BUILDING 400 AREA 622R LAB, MOBILE UNIT 5452 NE OF 200W AREA	☐
CAS 7440 37 1 Trade Secret ☐ Chem. Name ARGON 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	2 2 2 2	4 4 4 4	6265 LAB E OF 200W AREA 6290 SHOP W OF 200E AREA HTS PIPEYARD BOTTLE DOCK NE OF 200E AREA MO387 SHOP 200E AREA	☐

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Specific Information by Chemical

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CAS 1302-78-9 Trade Secret ☐ Chem. Name BENTONITE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	F F F M N J	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOX NE OF 105KE CONEX BOX NE OF 105KW SHED S OF 2025E 222SA LAB 234-5Z BUILDING 277T BUILDING	100K AREA 100K AREA 200E AREA 200W AREA 200W AREA 200W AREA	☐
CAS 1302-78-9 Trade Secret ☐ Chem. Name BENTONITE Check all that apply: ☒ Pure ☒ Mix ☒ 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)	J	1	4	HTS PIPEYARD WASTE PAD	NE OF 200E AREA	☐
CAS 75-63-8 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHANE (HALON 1301) Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ 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 BUILDING 222S LAB BASEMENT FIRE SYSTEM 234-5Z FIRE SYSTEM, ROOM 336 241SY TANK FARM FIRE SYSTEM 243G4 FIRE SYSTEM, DEACTIVATED 243G6 FIRE-SYSTEM, DEACTIVATED	200E AREA 200W AREA 200W AREA 200W AREA 200E AREA 200E AREA	☐

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EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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CAS 7563-8 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHAN (HALON 1301) Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4	251W BUILDING FIRE SYSTEM N OF 200W AREA 2701ZA BUILDING FIRE SYSTEM 200W AREA 2704 BUILDING FIRE SYSTEM 200W AREA 2721EA BUILDING 200E AREA 331C BUILDING 300 AREA 403 FIRE SYSTEM, ROOM 900 400 AREA	☐
CAS 7563-8 Trade Secret ☐ Chem. Name BROMOTRIFLUOROMETHAN (HALON 1301) Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ 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 2 4 L 2 4 L 2 4 L 2 4 L 2 4	427 FIRE SYSTEM, DEACTIVATED 400 AREA 4703 BUILDING FIRE SYSTEM 400 AREA 4721 BUILDING FIRE SYSTEM 400 AREA 491E FIRE SYSTEM, DEACTIVATED 400 AREA 609C BLDG SYSTEM RT 3 BETWEEN 200E/W AREAS	☐
CAS 10043-52-4 Trade Secret ☐ Chem. Name CALCIUM CHLORIDE 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)	A 1 4 I 1 4 I 1 4 N 1 4 M 1 4 M 1 4	100-DR-1 OPERABLE UNIT 100D/DR AREA 1171C STORAGE SHED, DEACTIVATED 1100 AREA 1724KA EQUIPMENT SHED 100K AREA 222SA LAB 200W AREA STORAGE UNIT BY 234-5Z 200W AREA 234-5Z BUILDING 200W AREA	☐

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CAS 100443-52-4; Trade Secret ☐ Chem. Name CALCIUM CHLROIDE 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)	N F N J	1 1 1 1	4 4 4 4	234-5Z BUILDING 200W AREA CONEX BOX BY 306E LAB 300 AREA CONEX BOX BY 306E LAB 300 AREA HTS PIPEYARD NE OF 200W AREA	☐
CAS 7440-44-0; Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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 K N C E A	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOX BY 105C 100B/C AREA CONEX BOX N OF 105DR 100D/DR AREA 1717K WAREHOUSE 100K AREA 200-UP-1 TREATABILITY TEST SITE 200W AREA 200-ZP-1 PUMP & TREAT 200W AREA 200-ZP-2 ERA 200W AREA	☐
CAS 7440-44-0; Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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)	E C F J K D	1 1 1 1 1 1	4 4 4 4 4 4	200-ZP-2 ERA 200W AREA 2025E DECOMPOSERS 200E AREA 2025E, ROOM 134 200E AREA 2025E, ROOM 134 200E AREA 209E WASTE PADS 200E AREA 2101M WAREHOUSE 200E AREA	☐

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CAS 7440440 Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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 N I K K E	1 1 1 1 1 1	4 4 4 4 4 4	221T CANYON 222S LAB 234-5Z BUILDING, ROOM 338 STORAGE UNIT BY 234-5Z STORAGE UNIT BY 234-5Z 236Z BUILDING, ROOM 40	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 7440440 Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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 K D K K N	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOX E OF 242A EVAPORATOR 242A81 WATER SERVICE BUILDING 243Z WASTE TREATMENT FACILTY 2706T BUILDING 271U BUILDING LOADING DOCK 271U SHOP	200E AREA 200E AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 7440440 Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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 K F K K D	1 1 1 1 1 1	4 4 4 4 4 4	277T BUILDING 277T BUILDING CONEX BOX BY 306E LAB 306E LAB 3717B LAB, ROOM 16A 4704S FIRE STATION	200W AREA 200W AREA 300 AREA 300 AREA 300 AREA 400 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: 02/26/99

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

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

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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	Pres	Temp	Storage Locations	Opt
CAS 7440440 Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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)	F J K M K N	1 1 1 1 1 1	4 4 4 4 4 4	4704S FIRE STATION 400 AREA 4704S FIRE STATION 400 AREA 616 BUILDING RT 3 BETWEEN 200E/W AREAS 6266 LAB, ROOM N4 E OF 200W AREA 6269 MOBILE LAB STORAGE E OF 200W AREA MO298 CHANGE FACILITY 200W AREA	☐
CAS 7440440 Trade Secret ☐ Chem. Name CARBON Check all that apply: ☒ Pure ☒ Mix ☒ 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	1	4	MO433 CHANGE FACILITY 200W AREA	☐
CAS 64365 11 3 Trade Secret ☐ Chem. Name CHARCOAL Check all that apply: ☒ Pure ☐ Mix ☒ 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) 365 No. of Days On-Site (days)	J	1	4	190DR WAREHOUSE 100D/DR AREA	☐

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CAS 7782505 Trade Secret ☐ Chem. Name CHLORINE GAS Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☐ Liquid ☒ Gas ☒ 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 WATER PLANT 100K AREA 183N FILTER PLANT 100N AREA 283E FILTRATION PLANT 200E AREA 283W FILTRATION PLANT 200W AREA 315 FILTER PLANT 300 AREA	☐
CAS 75456 Trade Secret ☐ Chem. Name CHLORODIFLUOROMETHANE (FREON 22) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ 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	105NB SHOP 100N AREA 1168 CYLINDER STORAGE 1100 AREA 1171 SHOP, DEACTIVATED 1100 AREA 2101M BUILDING, ROOM 5 200E AREA 2310W SHOP 200W AREA 2311W SHOP 200W AREA	☐
CAS 75456 Trade Secret ☐ Chem. Name CHLORODIFLUOROMETHANE (FREON 22) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ 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	242AC SHOP 200E AREA 331C BUILDING 300 AREA 331D BUILDING 300 AREA 3718G STORAGE BUILDING 300 AREA 4713B SHOP 400 AREA COMMONLY PRESENT IN SITE BUILDING SYSTEMS	☐

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CAS 12173-10-3; Trade Secret ☐ Chem. Name CLINOPTILOLITE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J J	1 1	4 4	1723N WAREHOUSE 100N AREA 2101M WAREHOUSE 200E AREA	☐
CAS ; Trade Secret ☐ Chem. Name COAL Check all that apply: ☐ Pure ☒ Mix ☒ 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) 090 No. of Days On-Site (days)	R	1	4	284E STEAM PLANT, DEACTIVATED 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 X 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	1168 CYLINDER STORAGE 1100 AREA 1171, SHOP DEACTIVATED 1100 AREA 1512N GAS STORAGE 100N AREA 1724KB GAS STORAGE 100K AREA 200-ZP-1 PUMP & TREAT 200W AREA 200-ZP-2 ERA 200W AREA	☐

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TIER TWO
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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 X 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 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			2101HV WAREHOUSE 200E AREA 2101M BUILDING 200E AREA CYLINDER SHED S OF 2101M 200E AREA 221T BUILDING, DOCK 2 200W AREA 222S LAB, 2B2 200W AREA 2249B GAS BOTTLE STORAGE 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 X 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 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			2306W SHOP 200W AREA 2310W SHOP 200W AREA 234-5Z BUILDING, ROOM 183 200W AREA 241A TANK FARM BOTTLE STORAGE 200E AREA 241AN TANK FARM BOTTLE STORAGE 200E AREA 241AP TANK FARM BOTTLE STORAGE 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 X 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 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			241AW TANK FARM BOTTLE STORAGE 200E AREA 241BY TANK FARM BOTTLE STORAGE 200E AREA 241S TANK FARM BOTTLE STORAGE 200W AREA 241SX TANK FARM BOTTLE STORAGE 200W AREA 2703E BUILDING 200E AREA 2716E BOTTLE STORAGE 200E AREA	☐

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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 X 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 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			305 TEST FACILITY 300 AREA BONEYARD BY 306E 300 AREA 306E LAB 300 AREA 328 SHOP 300 AREA 3709A FIRE STATION 300 AREA 3717B LAB 300 AREA	☐
CAS 25635-88-5 Trade Secret ☐ Chem. Name COMPRESSED AIR Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name ____	☐ Fire X 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 L 2 4 L 2 4 L 2 4 L 2 4 L 2 4			405 REACTOR BUILDING 400 AREA 408A EAST HEAT DUMP 400 AREA 408B SOUTH HEAT DUMP 400 AREA 408C WEST HEAT DUMP 400 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA	☐

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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 X 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	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	609G BUILDING RT 3 BETWEEN 200E/W AREAS 622R LAB NE OF 200W AREA 6265 LAB E OF 200W AREA 6290 SHOP W OF 200E AREA MO037 MOBILE OFFICE 200W AREA MO425 LAB 100N AREA	☐
CAS 75-71-8; Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name	☐ Fire X Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	105N, ROOM 109 100N AREA 105NB SHOP 100N AREA 1162 STORAGE BUILDING 1100 AREA 1168 CYLINDER STORAGE 1100 AREA 1171, SHOP DEACTIVATED 1100 AREA 1330N WASTE STORAGE 100N AREA	☐

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CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ 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 R L L R R	2 2 2 2 2 2	4 4 4 4 4 4	2101M BUILDING, ROOM 5 221T BUILDING SYSTEM 222S LAB. GAS DOCKS 2711E GARAGE/SHOP 271T BUILDING SYSTEM 2721E BUILDING SYSTEM	200E AREA 200W AREA 200W AREA 200E AREA 200W AREA 200E AREA	☐
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ 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 R R R R	2 2 2 2 2 2	4 4 4 4 4 4	STORAGE BUILDING W OF 272S 331D BUILDING 4702 BUILDING SYSTEM 4706 BUILDING SYSTEM 4707 BUILDING SYSTEM 4734D WAREHOUSE BUILDING SYSTEM	200W AREA 300 AREA 400 AREA 400 AREA 400 AREA 400 AREA	☐
CAS 75718 Trade Secret ☐ Chem. Name DICHLORODIFLUOROMETHANE (FREON 12) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ 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 R R	2 2 2	4 4 4	484 BUILDING 6266 LAB BUIDLING SYSTEM MO908 COOLING SYSTEM	400 AREA E OF 200W AREA 400 AREA	☐

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Signature: James E Rasmussen

Date signed: 02/26/99

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

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, 1998

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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 ____ 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) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	P A A C A A	1 1 1 1 1 1	4 4 4 4 4 4	100-DR-1 OPERABLE UNIT 100D/DR AREA 100N EQUIPMENT POOL 100N AREA 1171 SHOP, DEACTIVATED 1100 AREA 1171 SHOP, DEACTIVATED 1100 AREA TANK BY 182B PUMPHOUSE 100B/C AREA 200-ZP-1 PUMP & TREAT 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) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B A A B A C	1 1 1 1 1 1	4 4 4 4 4 4	UNDERGROUND TANK BY 204AR 200E AREA 212H CANISTER STORAGE BLDG PROJ 200E AREA TANK NE OF 234-5Z 200W AREA UNDERGROUND TANK BY 242A EVAP 200E AREA 251W SWITCHING STATION N OF 200W AREA 2721E BUILDING 200E 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) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	B B A A A A	1 1 1 1 1 1	4 4 4 4 4 4	UNDERGROUND TANK SE OF 2721Z 200W AREA UNDERGROUND TANK SE OF 2736ZA 200W AREA TANK BY 282B PUMP HOUSE S 200E AREA TANK BY 282BA PUMP HOUSE N 200E AREA TANK E OF 284W DEACTIVATED PLANT 200W AREA TANK W OF 300-FF-1 OPERABLE UNIT 300 AREA	☐

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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) X 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	UNDERGROUND TANK BY 408A 400 AREA UNDERGROUND TANK BY 408B 400 AREA UNDERGROUND TANK BY 408C 400 AREA 427 BUILDING 400 AREA 4721 GENERATOR BUILDING 400 AREA 481 PUMP HOUSE BUILDING 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) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A A D	1 1 1	4 4 4	481A PUMP HOUSE BUILDING 400 AREA 6618 DISPOSAL FACILITY SE OF 200W AREA HTS PIPEYARD DRUM STORAGE NE OF 200E AREA	☐

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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 D D F D F	1 1 1 1 1 1	4 4 4 4 4 4	1171 SHOP, DEACTIVATED 1171C STORAGE SHED, DEACTIVATED 1176 STORAGE BLDG, DEACTIVATED 1717K WAREHOUSE 190KE WAREHOUSE 221B CANYON	1100 AREA 1100 AREA 1100 AREA 100K AREA 100K AREA 200E 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)	D N F D R D	1 1 1 1 2 1	4 4 4 4 4 4	2711E GARAGE/SHOP 2713WC WASHWATER RECOVERY FAC 271T BUILDING COMPRESSOR ROOM 3621D GENERATOR BUILDING/SHOP 405 REACTOR BUILDING 4732C WAREHOUSE	200E AREA 200W AREA 200W AREA 300 AREA 400 AREA 400 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)	D D	1 1	4 4	4831 STORAGE BUILDING MAINTENANCE TRAILER	400 AREA 100B/C AREA	☐

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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: ☒ Pure ☒ Mix ☐ 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)	D	1	4	2101M BUILDING	200E AREA	☐
			M	1	4	234-5Z, ROOM 141	200W AREA	
			F	1	4	2703E BUILDING	200E AREA	
			F	1	4	2715AW STOREROOM	200E AREA	
			F	1	4	CONEX BOX BY 272WA	200W AREA	
			M	1	4	306E LAB, ROOM 174A	300 AREA	
CAS 63148-62-9; Trade Secret ☐ Chem. Name DIMETHYL SILOXANE Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N	1	4	3717B LAB, ROOM 16A	300 AREA	☐
			R	1	4	TRANSFORMERS THROUGHOUT SITE		
CAS 7758-11-4; Trade Secret ☐ Chem. Name DIPOTASSIUM PHOSPHATE 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)	D	1	4	190KE WAREHOUSE	100K AREA	☐
			M	1	4	222SA LAB	200W AREA	
			N	1	4	222SA LAB	200W AREA	
			D	1	4	2336W SHOP	200W AREA	
			R	1	4	2336W BUILDING SYSTEM	200W AREA	
			D	1	4	STORAGE UNIT BY 241A401	200E AREA	

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CAS 7758-11-4; Trade Secret ☐ Chem. Name DIPOTASSIUM PHOSPHATE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) ☐ Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	D	1	4	4831 STORAGE BUILDING 400 AREA		☐
CAS 330-54-1; Trade Secret ☐ Chem. Name DIURON Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity X Immediate (acute) X Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	I J N	1 1 1	4 4 4	2713W BUILDING 200W AREA 2713WC WASHWATER RECOVERY FAC 200W AREA 2713WC WASHWATER RECOVERY FAC 200W AREA		☐

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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 1 4 M 1 4 D 1 4 M 1 4 N 1 4 D 1 4	2101M WAREHOUSE 200E AREA 222SA LAB 200W AREA CONEX BOX S OF 234-5Z 200W AREA 234-5Z, ROOM 183 200W AREA 236Z, CORRIDOR 1W 200W AREA 2711E GARAGE/SHOP 200E 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)	N 1 4 N 1 4 F 1 4 N 1 4 D 1 4 E 1 4	2713WC WASHWATER RECOVERY FAC 200W AREA 2715AW STOREROOM 200E AREA 2729Z STORAGE BUILDING 200W AREA STORAGE UNIT BY 272AW 200E AREA 305 TEST FACILITY 300 AREA CONEX BOXES BY 305 TEST FACILITY 300 AREA	☐

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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 R R D O D	1 2 2 1 1 1	4 4 4 4 4 4	3718G STORAGE BUILDING 300 AREA 405 REACTOR BUILDING 400 AREA 427 BUILDING GLYCOL SYSTEM 400 AREA 4732C WAREHOUSE 400 AREA 4732C WAREHOUSE 400 AREA 4831 STORAGE BUILDING 400 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)	R M N M R D	2 1 1 1 1 1	4 4 4 4 4 4	4862 BUILDING SYSTEM 400 AREA 622R LAB NE OF 200W AREA 622R LAB NE OF 200W AREA 6266 LAB E OF 200W AREA 6266 LAB E OF 200W AREA HTS PIPEYARD CONEX BOXES NE OF 200E AREA	☐

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CAS 107211 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	1	4	MAINTENANCE TRAILER 100B/C AREA	☐
CAS 77050 8 0 Trade Secret ☐ Chem. Name FERRIC CHLORIDE 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)	M N M A E N	1 1 1 1 1 1	4 4 4 4 4 4	222SA LAB 200W AREA 222SA LAB 200W AREA 234-5Z, ROOM 186 200W AREA TANK E OF 310 FACILITY 300 AREA CONEX BOX AT PIT 6 W OF 300 AREA 6266 LAB E OF 200W AREA	☐
CAS 68553 00 4 Trade Secret ☐ Chem. Name FUEL OIL, NO.6 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) 180 No. of Days On-Site (days)	B	1	4	384 STEAM PLANT, DEACTIVATED 300 AREA	☐

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

James E Rasmussen
Signature

02/26/99
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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Chemical Description	Physical and Health Hazards (Check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Type	Pres	Temp	Storage Locations	Opt
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)	C E N N N N	1 1 1 1 1 1	4 4 4 4 6 4	2025E, ROOM 134 200E AREA 2025E BUILDING 200E AREA CONEX BOXES E OF 2025E 200E AREA 2025E, ROOM 112 200E AREA 222S LAB, ROOM 4A 200W AREA 222S LAB 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 N E N A N	1 1 1 1 1 1	6 6 4 6 4 4	222SA LAB 200W AREA 234-5Z BUILDING 200W AREA 305 TEST FACILITY HIGH BAY 300 AREA 306E LAB, ROOM 174A 300 AREA TANK E OF 310 FACILITY 300 AREA 622R LAB NE 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 N	1 1	6 4	6266 LAB, ROOM N17 E OF 200W AREA 6266 LAB E OF 200W AREA	☐

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CAS 80129-5-1 Trade Secret ☐ Chem. Name MINERAL OIL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ 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 N D D F M	1 1 1 1 1 1	4 4 4 4 4 4	100-DR-1 OPERABLE UNIT 105NB SHOP 1171 SHOP, DEACTIVATED 1171C STORAGE SHED, DEACTIVATED STORAGE UNIT SW OF 1724K STORAGE UNIT SW OF 1724K	100D/DR AREA 100N AREA 1100 AREA 1100 AREA 100K AREA 100K AREA	☐
CAS 80129-5-1 Trade Secret ☐ Chem. Name MINERAL OIL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ 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)	F F M M R D	1 1 1 1 1 1	4 4 4 4 4 4	183KE WATER PLANT 190KE WAREHOUSE 190KE WAREHOUSE STORAGE UNIT BY 201W YARD W OF 2101M STORAGE UNIT SW OF 211T	100K AREA 100K AREA 100K AREA 200W AREA 200E AREA 200W AREA	☐
CAS 80129-5-1 Trade Secret ☐ Chem. Name MINERAL OIL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ 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)	M G M M F D	1 1 1 1 1 1	4 4 4 4 4 4	214T STORAGE BUILDING 221T CANYON 222S LAB 234-5Z, CORRIDOR 4 2706T BUILDING 2711E GARAGE/SHOP	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200E AREA	☐

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CAS 8012-95-1 Trade Secret ☐ Chem. Name MINERAL OIL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ 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 F 1 4 N 1 4 F 1 4 F 1 4 N 1 4	271T BUILDING 200W AREA 271T, 3RD FLOOR AMU 200W AREA 2721EA BUILDING 200E AREA 272W SHOP 200W AREA 275W SHOP 200W AREA 283W FILTRATION PLANT 200W AREA	☐
CAS 8012-95-1 Trade Secret ☐ Chem. Name MINERAL OIL Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ 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)	N 1 4 E 1 4 F 1 4 D 1 4 D 1 4 R 1 4	327 LAB, ROOM 13 300 AREA 3718G STORAGE BUILDING 300 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA 6618 DISPOSAL FACILITY SE OF 200W AREA TRANSFORMERS THROUGHOUT SITE	☐
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 M 1 4 N 1 4 M 1 4 M 1 4 N 1 4	1706KE LAB 100K AREA 2025E BUILDING 200E AREA 221B CANYON 200E AREA 222S LAB 200W AREA 222SA LAB 200W AREA 222SA LAB 200W AREA	☐

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SIC Code 9999 Dun & Brad Number 03-445-61886

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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)	C 1 4 D 1 4 M 1 4 M 1 4 M 1 4 N 1 4			234-5Z, ROOM 336 200W AREA 234-5Z, ROOM 336 200W AREA STORAGE UNIT BY 234-5Z 200W AREA 234-5Z BUILDING 200W AREA 236Z, ROOM 40 200W AREA 236Z BUILDING 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)	E 1 4 M 1 4 D 1 4 E 1 4 M 1 4 N 1 4			241Z BUILDING 200W AREA 271T BUILDING 200W AREA CONEX BOX BY 306E 300 AREA CONEX BOX BY 306E 300 AREA 306E LAB, ROOM 174A 300 AREA 306E LAB, BAY 2 300 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)	M 1 4 M 1 4 M 1 4 M 1 4 M 1 4			327 LAB, ROOM 14 300 AREA 622R LAB NE OF 200W AREA 6266 LAB E OF 200W AREA 6268 CLEANING STATION E OF 200W AREA 6269 MOBILE LAB STORAGE E OF 200W AREA	☐

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TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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Name U. S. DEPARTMENT OF ENERGY - HANFORD SITE
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 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 R	2 2 2 2 2 2	7 4 4 4 4 7	1161 GAS STORAGE 1168 CYLINDER STORAGE 1171 SHOP, DEACTIVATED 1512N GAS STORAGE 1706KE LAB 1706KE LAB	1100 AREA 1100 AREA 1100 AREA 100N AREA 100K AREA 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 GAS STORAGE 190KE WAREHOUSE 200-ZP-1 PUMP & TREAT 200-ZP-2 ERA 2025E BUILDING 202S FACILITY	100K AREA 100K AREA 200W AREA 200W AREA 200E AREA 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)	L L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	2101HV WAREHOUSE 2101M BUILDING, ROOM 216 CYLINDER SHED S OF 2101M 221T BUILDING, DOCK 2 222S LAB 2249B GAS BOTTLE STORAGE	200E AREA 200E AREA 200E AREA 200W AREA 200W AREA 200E AREA	☐

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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)	R A L L L L	2 2 2 2 2 2	7 7 7 4 4 4	2336W ASSAY AREA 234-5Z WEST DOCK 234-5Z BUILDING 234-5Z BUILDING BOTTLE DOCK E OF 2402W 241AP TANK FARM BOTTLE STORAGE	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200E 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	242A EVAPORATOR 242AC SHOP 2703E BUILDING 2711E GARAGE/SHOP 2727E BUILDING 2727W STORAGE FACILITY	200E AREA 200E AREA 200E AREA 200E AREA 200E AREA 200W AREA	☐

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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	272AW BOTTLE DOCK 200E AREA BOTTLE DOCK E OF 272WA 200W AREA 2734ZC GAS STORAGE 200W AREA 2734ZG GAS STORAGE 200W AREA 2734ZH GAS STORAGE 200W AREA 275W SHOP 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)	L L L R L L	2 2 2 1 2 2	4 4 4 4 4 4	277A SHOP, BOTTLE DOCK 200E AREA CONEX BOX NW OF 277A 200E AREA 277W SHOP 200W AREA TANK W OF 300-FF-1 300 AREA 305 TEST FACILITY CYLINDER DOCK 300 AREA 305A SHOP 300 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 A L	2 2 2 2 2 2	4 4 4 4 7 4	306E LAB 300 AREA 325 BUILDING 300 AREA 328 CYLINDER DOCK 300 AREA 331C BUILDING 300 AREA TANK BY 337 BUILDING 300 AREA 350 BUILDING 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: James E Rasmussen

Date signed: 02/26/99

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

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 03-445-61886

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, 1998

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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 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	3717B LAB 300 AREA 384 STEAM PLANT, DEACTIVATED 300 AREA 405 REACTOR BUILDING 400 AREA 427 BUILDING 400 AREA BOTTLE STORAGE N OF 427 400 AREA YARD N OF 427 400 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 A L L L L	2 2 2 2 2 2	4 7 4 4 4 4	437 STORAGE BUILDING 400 AREA TANK BY 4621W BUILDING 400 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA 4713D STORAGE BUILDING 400 AREA 622R LAB NE 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)	L L L L	2 2 2 2	4 4 4 4	6265 LAB E OF 200W AREA HTS PIPEYARD BOTTLE DOCK NE OF 200W AREA MO412 SHOP 200W AREA MO425 LAB 100N AREA	☐

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Street 825 JADWIN AVENUE
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SIC Code 9999 Dun & Brad Number 03-445-6186

For Official Use Only: ID # / Date Received

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Mail Address P.O. BOX 550, RICHLAND WA 99352

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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 7782-44-7 Trade Secret ☐	X Fire	04 Max. Daily Amount (code)	L	2	4	100-DR-1 OPERABLE UNIT	100D/DR AREA	
Chem. Name OXYGEN	X Sudden Release of Pressure		L	2	4	CONEX BOX BY 105C	100B/C AREA	
	Reactivity	03 Avg. Daily Amount (code)	L	2	4	1168 CYLINDER STORAGE	1100 AREA	
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS	X Immediate (acute)		L	2	4	1171 SHOP, DEACTIVATED	1100 AREA	
	Delayed (chronic)	365 No. of Days On-Site (days)	L	2	4	1512N GAS STORAGE	100N AREA	
EHS Name			L	2	4	1515N SHOP	100N AREA	☐
CAS 7782-44-7 Trade Secret ☐	X Fire	04 Max. Daily Amount (code)	L	2	4	17124KB GAS STORAGE	100K AREA	
Chem. Name OXYGEN	X Sudden Release of Pressure		L	2	4	2101M BUILDING, ROOM 210	200E AREA	
	Reactivity	03 Avg. Daily Amount (code)	L	2	4	212H CANISTER STORAGE BLDG PROJ	200E AREA	
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS	X Immediate (acute)		L	2	4	221T BUILDING, ROOM 210	200W AREA	
	Delayed (chronic)	365 No. of Days On-Site (days)	L	2	4	222S LAB	200W AREA	
EHS Name			L	2	4	222SA LAB	200W AREA	☐
CAS 7782-44-7 Trade Secret ☐	X Fire	04 Max. Daily Amount (code)	L	2	4	2244B SHOP	200E AREA	
Chem. Name OXYGEN	X Sudden Release of Pressure		L	2	4	2247B SHOP	200E AREA	
	Reactivity	03 Avg. Daily Amount (code)	L	2	4	2249B GAS BOTTLE STORAGE	200E AREA	
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS	X Immediate (acute)		L	2	4	2306W SHOP	200W AREA	
	Delayed (chronic)	365 No. of Days On-Site (days)	L	2	4	2307W SHOP	200W AREA	
EHS Name			L	2	4	2309W SHOP	200W AREA	☐

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CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	2310W SHOP 234-5Z BUILDING 242AC SHOP 2711E GARAGE/SHOP 2713WB SHOP 2716E BOTTLE STORAGE	200W AREA 200W AREA 200E AREA 200E AREA 200W AREA 200W AREA	☐
CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	271B BUILDING 2721EA BUILDING 272AW BOTTLE DOCK 272W SHOP BOTTLE DOCK E OF 272WA 2734ZC GAS STORAGE	200E AREA 200E AREA 200E AREA 200W AREA 200W AREA 200W AREA	☐
CAS 7782-44-7 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	2734ZF GAS STORAGE 275W SHOP 277A BOTTLE DOCK 277W SHOP 300-FF-1 OPERABLE UNIT 305 TEST FACILITY	200W AREA 200W AREA 200E AREA 200W AREA 300 AREA 300 AREA	☐

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TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

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CAS 7782-44-7; Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	331 BUILDING 300 AREA 331C BUILDING 300 AREA 350 BUILDING 300 AREA 3709A FIRE STATION 300 AREA 3717B LAB 300 AREA 3722 SHOP 300 AREA	☐
CAS 7782-44-7; Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	384 STEAM PLANT, DEACTIVATED 300 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA 4713D STORAGE BUILDING 400 AREA 4760 SHOP 400 AREA 6092 BUILDING, ROOM 2/14G HAMMER FACILITY	☐

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

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Signature

02/26/99
Date signed

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TIER TWO
EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

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CAS 7782447 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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 L	2 2 2 2 2 2	4 4 4 4 4 4	609A FIRE STAT RT 3 BETWEEN 200E/W AREAS 609D TRNG TOWER RT 3 BETWEEN 200E/W AREAS 613 STORAGE BUILDING CORNER OF RT 1 & 4N 6265 LAB E OF 200W AREA 6290 SHOP W OF 200E AREA HTS PIPEYARD BOTTLE DOCK NE OF 200E AREA	☐
CAS 7782447 Trade Secret ☐ Chem. Name OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name	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	2 2 2	4 4 4	MO001 OFFICE, PATROL TRAINING ACADEMY MO302 SHOP, PATROL TRAINING ACADEMY MO425 LAB 100N AREA	☐
CAS 1910425 Trade Secret ☐ Chem. Name PARAQUAT DICHLORIDE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name PARAQUAT DICHLORIDE	Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	02 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N	1	4	2713WC WASHWATER RECOVERY FAC 200W AREA	☐

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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	Storage Codes and Locations (Non-Confidential) Type	Pres	Temp	Storage Locations	Opt
CAS 1336-36-3; Trade Secret ☐; Chem. Name POLYCHLORINATED BIPHENYLS; 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 1 4			4621E TRANSFORMERS 400 AREA	☐
			R 1 4			4621W TRANSFORMERS 400 AREA	
			R 1 4			491E TRANSFORMERS 400 AREA	
			R 1 4			491W TRANSFORMERS 400 AREA	
CAS 74-98-6; Trade Secret ☐; Chem. Name PROPANE; 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)	05 Max. Daily Amount (code); 04 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L 2 4			100-DR-1 OPERABLE UNIT 100D/DR AREA	☐
			L 2 4			1161 GAS STORAGE 1100 AREA	
			L 2 4			1171 SHOP, DEACTIVATED 1100 AREA	
			L 2 4			142K CONSTRUCTION SITE, TRAILER 100K AREA	
			L 2 4			1714NB TOOL SHED 100N AREA	
			A 2 4			1717K WAREHOUSE 100K AREA	
CAS 74-98-6; Trade Secret ☐; Chem. Name PROPANE; 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)	05 Max. Daily Amount (code); 04 Avg. Daily Amount (code); 365 No. of Days On-Site (days)	L 2 4			1723N WAREHOUSE 100N AREA	☐
			L 2 4			1724KB GAS STORAGE 100K AREA	
			L 2 4			200-ZP-1 PUMP & TREAT 200W AREA	
			L 2 4			200-ZP-2 ERA 200W AREA	
			L 2 4			OUTDOOR STORAGE S OF 2025E 200E AREA	
			L 2 4			CONEX BOX AT 202S 200W AREA	

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CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE 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)	05 Max. Daily Amount (code) 04 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 4 4 4	209E BOTTLE STORAGE 2101HV WAREHOUSE CYLINDER SHED S OF 2101M 212H CANISTER STORAGE BLDG PROJ 212H CANISTER STORAGE BLDG PROJ 221T BUILDING, DOCK 2	200E AREA 200E AREA 200E AREA 200E AREA 200E AREA 200W AREA	☐
CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE 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)	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	222S LAB, GAS DOCKS 2247B SHOP 2249B GAS BOTTLE STORAGE 225B GAS BOTTLE STORAGE 225BE SHOP 225E PUMP STATION	200W AREA 200E AREA 200E AREA 200E AREA 200E AREA 200E AREA	☐
CAS 74 98 6 Trade Secret ☐ Chem. Name PROPANE 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)	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	2300W SHOP 2306W SHOP 2309W SHOP 2310W SHOP BOTTLE DOCK E OF 2402W TANK OUTSIDE 2402WL	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐

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James E. Rasmussen, Director 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: 02/26/99

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, 1998

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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 74-98-6 Trade Secret ☐ Chem. Name PROPANE 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)	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	CONEX BOX E OF 242A EVAPORATOR 200E AREA 242AC SHOP 200E AREA 2620W SHOP 200W AREA 2707SX SHOP 200W AREA 2711E GARAGE/SHOP 200E AREA 2711E GARAGE/SHOP 200E AREA	☐
CAS 74-98-6 Trade Secret ☐ Chem. Name PROPANE 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)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A L L L L L	2 2 2 2 2 2	4 4 4 4 4 4	271B BUILDING 200E AREA 271B BUILDING 200E AREA 2721EA BUILDING 200E AREA 272AW BOTTLE DOCK 200E AREA BOTTLE DOCK E OF 272WA 200W AREA 2734ZK GAS STORAGE 200W AREA	☐
CAS 74-98-6 Trade Secret ☐ Chem. Name PROPANE 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)	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	275E CYLINDER DOCK 200E AREA 275W SHOP 200W AREA 277W CYLINDER DOCK 200W AREA 284W STEAM PLANT, DEACTIVATED 200W AREA W OF 300-FF-1 OPERABLE UNIT 300 AREA 305 TEST FACILITY CYLINDER DOCK 300 AREA	☐

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CAS 74-98-6 Trade Secret ☐ Chem. Name PROPANE 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)	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			3718N SHOP BOTTLE RACK 300 AREA 3722 SHOP 300 AREA 384 STEAM PLANT CYLINDER DOCK 300 AREA 4704S FIRE STATION 400 AREA 4713B SHOP 400 AREA 4713D STORAGE BUILDING 400 AREA	☐
CAS 74-98-6 Trade Secret ☐ Chem. Name PROPANE 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)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 A 2 4 L 2 4 L 2 4 A 2 4 A 2 4			4722C SHOP 400 AREA 609 FIRE STATION CORNER OF RT 1 & 4N TRAILER AT 6090 HAMMER FACILITY 6092 LOADING DOCK HAMMER FACILITY TANK AT 6092N GAS STORAGE HAMMER FACILITY 609A FIRE STAT RT 3 BETWEEN 200E/W AREAS	☐

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CAS 74 98 6; Trade Secret ☐ Chem. Name PROPANE 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)	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			609A FIRE STAT RT 3 BETWEEN 200E/W AREAS 622R LAB, ROOM F NE OF 200W AREA 6265 LAB E OF 200W AREA 6290 SHOP W OF 200E AREA HTS PIPEYARD BOTTLE RACK NE OF 200E AREA MO269 BOTTLE RACK 200E AREA	☐
CAS 74 98 6; Trade Secret ☐ Chem. Name PROPANE 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)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 2 4 A 2 4			MO966 SHOP 200E AREA N SPRINGS 100N AREA	☐
CAS 57 55 6; Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	D 1 4 N 1 4 E 1 4 D 1 4 N 1 4 F 1 4			100-DR-1 OPERABLE UNIT 100D/DR AREA 1171C STORAGE SHED, DEACTIVATED 1100 AREA 190DR WAREHOUSE 100D/DR AREA 190KE WAREHOUSE 100K AREA 190KE WAREHOUSE 100K AREA 2025E BUILDING, ROOM 112 200E AREA	☐

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EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Specific Information by Chemical

Facility Identification

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Street 825 JADWIN AVENUE
City RICHLAND County BENTON State WA Zip 99352
SIC Code 9999 Dun & Brad Number 03-445-61886

For Official Use Only: ID # / Date Received

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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 57-55-6; Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	F F D R D E	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOXES E OF 2025E LAYDOWN YARD BY 2241B 2336W BUILDING 2336W BUILDING SYSTEM STORAGE UNIT BY 234-5Z STORAGE UNIT BY 234-5Z	200E AREA 200E AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 57-55-6; Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	N N D D N N	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z BUILDING 236Z BUILDING, CORRIDOR 1W STORAGE UNIT BY 241A401 241AZ CONTROL ROOM 2703E BUILDING 2713WC WASHWATER RECOVERY FAC	200W AREA 200W AREA 200E AREA 200E AREA 200E AREA 200W AREA	☐
CAS 57-55-6; Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	D F N D D D	1 1 1 1 1 1	4 4 4 4 4 4	2721EA BUILDING STORAGE UNIT BY 272AW 272W SHOP STORAGE UNIT N OF 272WA LAYDOWN AREA BY 277A SHOP 300-FF-1 OPERABLE UNIT	200E AREA 200E AREA 200W AREA 200W AREA 200E AREA 300 AREA	☐

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Specific Information by Chemical

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CAS 57-55-6 Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	N N D N N F	1 1 1 1 1 1	6 4 4 4 4 4	306E LAB, ROOM 174A 327 LAB, ROOM 13 331C BUILDING 3705 PHOTOGRAPHY LAB 3746D BUILDING 4732A WAREHOUSE	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 400 AREA	☐
CAS 57-55-6 Trade Secret ☐ Chem. Name PROPYLENE GLYCOL 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)	M	1	4	6266 LAB, ROOM N20	E OF 200W AREA	☐

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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 14664-46-1 Trade Secret ☐ Chem. Name SILICA, CRYSTALLINE-CRISTOBALITE Check all that apply: ☐ Pure ☒ Mix ☒ 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)	J J	1 1	4 4	2101M WAREHOUSE 200E AREA 616 BUILDING RT 3 BETWEEN 200E/W AREAS	☐
CAS 14808-60-7 Trade Secret ☐ Chem. Name SILICA, CRYSTALLINE-QUARTZ Check all that apply: ☒ Pure ☒ Mix ☒ 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)	F F J J J K	1 1 1 1 1 1	4 4 4 4 4 4	CONEX BOX NE OF 105KE 100K AREA CONEX BOX NE OF 105KW 100K AREA 190DR WAREHOUSE 100D/DR AREA 2101M WAREHOUSE 200E AREA 221T CANYON 200W AREA 221T CANYON 200W AREA	☐
CAS 14808-60-7 Trade Secret ☐ Chem. Name SILICA, CRYSTALLINE-QUARTZ Check all that apply: ☒ Pure ☒ Mix ☒ 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)	N N J J E F	1 1 1 1 1 1	4 4 4 4 4 4	222S LAB 200W AREA 222SA LAB 200W AREA CONEX BOX BY 225B 200E AREA 233S BUILDING 200W AREA STORAGE UNIT BY 234-5Z 200W AREA STORAGE UNIT BY 234-5Z 200W AREA	☐

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Washington Community Right-To-Know #: WA7890008967

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CAS 14808 60 7; Trade Secret ☐; Chem. Name SILICA, CRYSTALLINE-QUARTZ; Check all that apply: ☒ Pure ☒ Mix ☒ 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)	F	1	4	234-5Z BUILDING, ROOM 202 200W AREA	☐
			I	1	4	234-5Z BUILDING, ROOM 186 200W AREA	
			M	1	4	234-5Z BUILDING, ROOM 202 200W AREA	
			M	1	4	STORAGE UNIT BY 234-5Z 200W AREA	
			N	1	4	234-5Z BUILDING 200W AREA	
			N	1	4	STORAGE UNIT BY 234-5Z 200W AREA	
CAS 14808 60 7; Trade Secret ☐; Chem. Name SILICA, CRYSTALLINE-QUARTZ; Check all that apply: ☒ Pure ☒ Mix ☒ 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)	J	1	4	2715AW STOREROOM 200E AREA	☐
			F	1	4	CONEX BOXES BY 305 TEST FACILITY 300 AREA	
			D	1	4	CONEX BOXES BY 306E LAB 300 AREA	
			N	1	4	CONEX BOXES BY 306E LAB 300 AREA	
			F	1	4	3707E SHOP 300 AREA	
			R	1	4	427 BUILDING, ROOM 352 400 AREA	
CAS 14808 60 7; Trade Secret ☐; Chem. Name SILICA, CRYSTALLINE-QUARTZ; Check all that apply: ☒ Pure ☒ Mix ☒ 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)	D	1	4	4732A WAREHOUSE 400 AREA	☐
			D	1	4	607 BATCH PLANT RT 3 BETWEEN 200E/W AREAS	
			F	1	4	616 BUILDING RT 3 BETWEEN 200E/W AREAS	
			N	1	4	6266 LAB E OF 200W AREA	
			J	1	4	HTS PIPEYARD NE OF 200E AREA	
			J	1	4	CONEX BOX N OF MO743 200W AREA	

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James E. Rasmussen, Director 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: 02/26/99

Optional Attachments

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☐ I have attached a list of site coordinate abbreviations
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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, 1998

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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 15468323 Trade Secret ☐ Chem. Name SILICA, CRYSTALLINE-TRIDYMITE Check all that apply: ☐ Pure ☒ Mix ☒ 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)	J 1 4 J 1 4			2101M WAREHOUSE 200E AREA 616 BUILDING RT 3 BETWEEN 200E/W AREAS	☐
CAS 7440235 Trade Secret ☐ Chem. Name SODIUM Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☒ 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)	C 1 4 M 1 4 C 1 4 D 1 4 B 2 4 C 1 4			221T HEAD END 200W AREA 234-5Z BUILDING, ROOM 186 200W AREA 2727W STORAGE FACILITY 200W AREA 335 SODIUM TEST FACILITY 300 AREA 337B HIGH-BAY 300 AREA 337B HIGH-BAY 300 AREA	☐
CAS 7440235 Trade Secret ☐ Chem. Name SODIUM Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☒ 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 B 2 4 C 2 5 C 2 5 D 1 4			337B HIGH-BAY 300 AREA UNDERGROUND TANK BY 3718M 300 AREA 403 FUELS STORAGE FACILITY 400 AREA 405 REACTOR BUILDING 400 AREA ALKALI METAL STORAGE MODULES 200W AREA	☐

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CAS 7647-14-5 Trade Secret ☐ Chem. Name SODIUM CHLORIDE 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)	A 1 4 M 1 4 N 1 4 M 1 4 N 1 4 E 1 4	100-DR-1 OPERABLE UNIT 100D/DR AREA 105NB SHOP 100N AREA 105NB SHOP 100N AREA 1143N SHOP 100N AREA 165KE POWER CONTROL BUILDING 100K AREA 1714N STORAGE BUILDING 100N AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name SODIUM CHLORIDE 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)	F 1 4 E 1 4 F 1 4 F 1 4 B 1 4 B 1 4	STORAGE UNIT SW OF 1724K 100K AREA 183N FILTER PLANT 100N AREA 183N FILTER PLANT 100N AREA 190KE WAREHOUSE 100K AREA 200-ZP-1 PUMP & TREAT 200W AREA 200-ZP-2 ERA 200W AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name SODIUM CHLORIDE 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)	F 1 4 N 1 4 M 1 4 M 1 4 N 1 4 I 1 4	2025E BUILDING, ROOM 112 200E AREA 2025E BUILDING, ROOM 112 200E AREA 222S LAB 200W AREA 222SA LAB 200W AREA 222SA LAB 200W AREA 234-5Z BUILDING, ROOM 202 200W AREA	☐

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CAS 7647-14-5 Trade Secret ☐ Chem. Name SODIUM CHLORIDE 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)	A B B K N N	1 1 1 1 1 1	4 4 4 4 4 4	284E STEAM PLANT, DEACTIVATED 284E STEAM PLANT, DEACTIVATED 284W STEAM PLANT, DEACTIVATED CONEX BOX BY 306E LAB 306E LAB, ROOM 174A CONEX BY 306E LAB	200E AREA 200E AREA 200W AREA 300 AREA 300 AREA 300 AREA	☐
CAS 7647-14-5 Trade Secret ☐ Chem. Name SODIUM CHLORIDE 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)	D M N M N C	1 1 1 1 1 1	4 4 4 4 4 4	331D BUILDING 3705 PHOTOGRAPHY LAB 3717B LAB, ROOM 16A 3718G STORAGE BUILDING 3746D BUILDING 382 PUMPHOUSE	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 300 AREA	☐

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CAS 7647-14-5; Trade Secret ☐; Chem. Name SODIUM CHLORIDE; Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS; EHS Name	☐ Fire; ☐ Sudden Release of Pressure; ☐ Reactivity; X Immediate (acute); ☐ Delayed (chronic)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	B	1	4	384 STEAM PLANT, DEACTIVATED 300 AREA	☐
			N	1	4	4732B WAREHOUSE 400 AREA	
			D	1	4	6092I PUMPHOUSE HAMMER FACILITY	
			M	1	4	622R LAB NE OF 200W AREA	
			N	1	4	622R LAB NE OF 200W AREA	
			N	1	4	6266 LAB E OF 200W AREA	
CAS 13110-73-2; 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)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	C	1	4	1171 SHOP, DEACTIVATED 1100 AREA	☐
			D	1	4	1171 SHOP, DEACTIVATED 1100 AREA	
			I	1	4	1171 SHOP, DEACTIVATED 1100 AREA	
			M	1	4	1706KE LAB 100K AREA	
			N	1	4	1706KE LAB 100K AREA	
			E	1	4	1714N STORAGE BUILDING 100N AREA	
CAS 13110-73-2; 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)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	N	1	4	182B PUMPHOUSE, SECOND FLOOR 100B/C AREA	☐
			E	1	4	183N FILTER PLANT 100N AREA	
			F	1	4	183N FILTER PLANT 100N AREA	
			A	1	4	PROCESS TANKS OUTSIDE 2025E 200E AREA	
			C	1	4	2025E PROCESS TANKS 200E AREA	
			F	1	4	CONEX BOXES E OF 2025E 200E AREA	

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Specific Information by Chemical

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CAS 1310-73-2; 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)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	F	1	4	2025E BUILDING, ROOM 112	200E AREA	☐
			I	1	4	CONEX BOXES E OF 2025E	200E AREA	
			I	1	4	2025E BUILDING, ROOM 112	200E AREA	
			M	1	4	2025E BUILDING, ROOM 134	200E AREA	
			N	1	4	2025E BUILDING, ROOM 112	200E AREA	
			O	1	4	2025E BUILDING, ROOM 134	200E AREA	
CAS 1310-73-2; 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)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	C	1	4	204AR BUILDING	200E AREA	☐
			J	1	4	CONEX BOX BY 204AR	200E AREA	
			D	1	4	2101M BUILDING	200E AREA	
			E	1	4	2101M WAREHOUSE	200E AREA	
			A	1	4	TANK BY 211BA	200E AREA	
			I	1	4	221T CANYON	200W AREA	
CAS 1310-73-2; 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)	Max. Daily Amount (code): 04; Avg. Daily Amount (code): 04; No. of Days On-Site (days): 365	J	1	4	STORAGE UNIT SW OF 211T	200W AREA	☐
			J	1	4	221T CANYON	200W AREA	
			N	1	6	222S LAB 4B	200W AREA	
			N	1	4	222S LAB	200W AREA	
			M	1	4	222SA LAB	200W AREA	
			N	1	4	222SA LAB	200W AREA	

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CAS 13107-32 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D E M M N N	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z BUILDING, ROOM 321 234-5Z BUILDING 234-5Z BUILDING STORAGE UNIT BY 234-5Z STORAGE UNIT BY 234-5Z 234-5Z BUILDING	200W AREA 200W AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐
CAS 13107-32 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J E C O C R	1 1 1 1 1 1	4 4 4 4 4 4	STORAGE UNIT BY 241A401 241Z BUILDING 271B BUILDING 271B BUILDING 271T, 1ST FLOOR AMU 291Z BUILDING, ROOM 501	200E AREA 200W AREA 200E AREA 200E AREA 200W AREA 200W AREA	☐
CAS 13107-32 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E C D M N N	1 1 1 1 1 1	4 4 4 4 4 4	3020 LAB BOILER ROOM 306E LAB, ROOM 174 CONEX BOX BY 306E LAB CONEX BOX BY 306E LAB 306E LAB CONEX BOX BY 306E	300 AREA 300 AREA 300 AREA 300 AREA 300 AREA 300 AREA	☐

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CAS 1310-73-2; 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A	1	4	TANK E OF 310 FACILITY	300 AREA	☐
			N	1	4	327 LAB	300 AREA	
			N	1	4	331 BUILDING	300 AREA	
			D	1	4	331D BUILDING	300 AREA	
			F	1	4	331D BUILDING	300 AREA	
			N	1	4	331D BUILDING	300 AREA	
CAS 1310-73-2; 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M	1	4	3705 PHOTOGRAPHY LAB	300 AREA	☐
			N	1	4	3705 PHOTOGRAPHY LAB	300 AREA	
			C	1	4	382 PUMP HOUSE	300 AREA	
			N	1	4	4732B WAREHOUSE	400 AREA	
			D	1	4	6092I PUMPHOUSE	HAMMER FACILITY	
			N	1	4	622R LAB	NE OF 200W AREA	
CAS 1310-73-2; 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M	1	4	6266 LAB	E OF 200W AREA	☐
			N	1	4	6266 LAB	E OF 200W AREA	
			N	1	4	6268 CLEANING STATION	E OF 200W AREA	
			N	1	4	6269 MOBILE LAB STORAGE	E OF 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 70, 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

James E Rasmussen
Signature

02/26/99
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, 1998

☐ 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	Press	Temp	Storage Locations		Opt
CAS 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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)	E N D M E K	1 1 1 1 1 1	4 4 4 4 4 4	100-HR-3 PUMP & TREAT 100-HR-3 PUMP & TREAT 100-KR-4 OPERABLE UNIT 1706KE LAB 1714N STORAGE BUILDING 190KE WAREHOUSE	100H AREA 100H AREA 100K AREA 100K AREA 100N AREA 100K AREA	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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 A C E M N	1 1 1 1 1 1	4 4 4 4 4 4	190KE WAREHOUSE PROCESS TANKS OUTSIDE 2025E PROCESS TANKS 2025E 2025E BUILDING 2025E BUILDING, ROOM 112 2025E BUILDING, ROOM 112	100K AREA 200E AREA 200E AREA 200E AREA 200E AREA 200E AREA	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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)	O A M N M N	1 1 1 1 1 1	4 4 4 4 4 4	2025E BUILDING TANK BY 211BA 222S LAB 222S LAB 222SA LAB 222SA LAB	200E AREA 200E AREA 200W AREA 200W AREA 200W AREA 200W AREA	☐

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Date signed: 02/26/99

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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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Mail Address P.O. BOX 550, RICHLAND WA 99352

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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 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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 N N N M N	1 1 1 1 1 1	4 4 4 4 4 4	234-5Z BUILDING 200W AREA 234-5Z BUILDING 200W AREA STORAGE UNIT BY 234-5Z 200W AREA 236Z BUILDING 200W AREA 306E LAB 300 AREA 306E LAB 300 AREA	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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 N M N E E	1 1 1 1 1 1	4 4 4 4 4 4	TANK E OF 310 FACILITY 300 AREA 315 FILTER PLANT 300 AREA 3705 PHOTOGRAPHY LAB 300 AREA 3746D BUILDING 300 AREA CONEX BOX AT PIT 6 W OF 300 AREA 6092I PUMPHOUSE HAMMER FACILITY	☐
CAS 7664-93-9 Trade Secret ☐ Chem. Name SULFURIC ACID Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ 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 M N M N	1 1 1 1 1	4 4 4 4 4	622R LAB NE OF 200W AREA 6266 LAB E OF 200W AREA 6266 LAB E OF 200W AREA 6269 MOBILE LAB STORAGE E OF 200W AREA 6269 MOBILE LAB STORAGE E OF 200W AREA	☐

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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 68037-01-4; Trade Secret ☐ Chem. Name SYNTHETIC PARAFFINIC HYDROCARBON 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)	D E R R	1 1 1 1	4 4 4 4	2101M WAREHOUSE 200E AREA 2101M BUILDING 200E AREA YARD W OF 2101M BUILDING 200E AREA TRANSFORMERS THROUGHOUT THE SITE	☐
CAS 75-69-4; Trade Secret ☐ Chem. Name TRICHLOROFLUOROMETHANE (FREON 11) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ 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 D R	1 2 2 1 1 2	4 4 4 4 4 4	105NB SHOP 100N AREA 1330N WASTE STORAGE 100N AREA STORAGE BUILDING W OF 272S 200W AREA 328 BUILDING, CYLINDER DOCK 300 AREA 427 BUILDING, ROOM 234 400 AREA 427 BUILDING, ROOM 352 400 AREA	☐
CAS 75-69-4; Trade Secret ☐ Chem. Name TRICHLOROFLUOROMETHANE (FREON 11) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ 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 F	1 1	4 4	4831 STORAGE BUILDING 400 AREA 607 BATCH PLANT RT 3 BETWEEN 200E/W AREAS	☐

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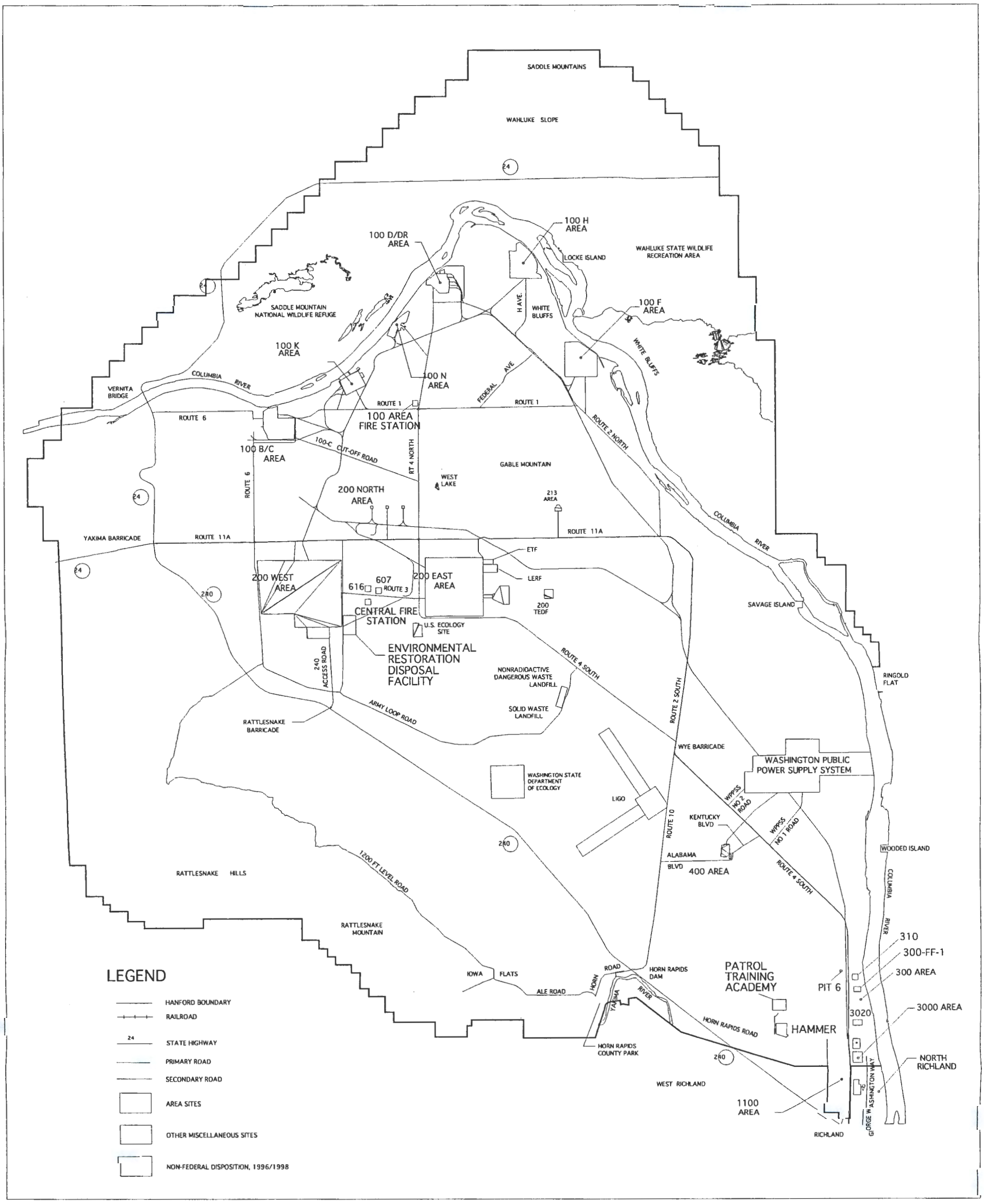

HANFORD SITE

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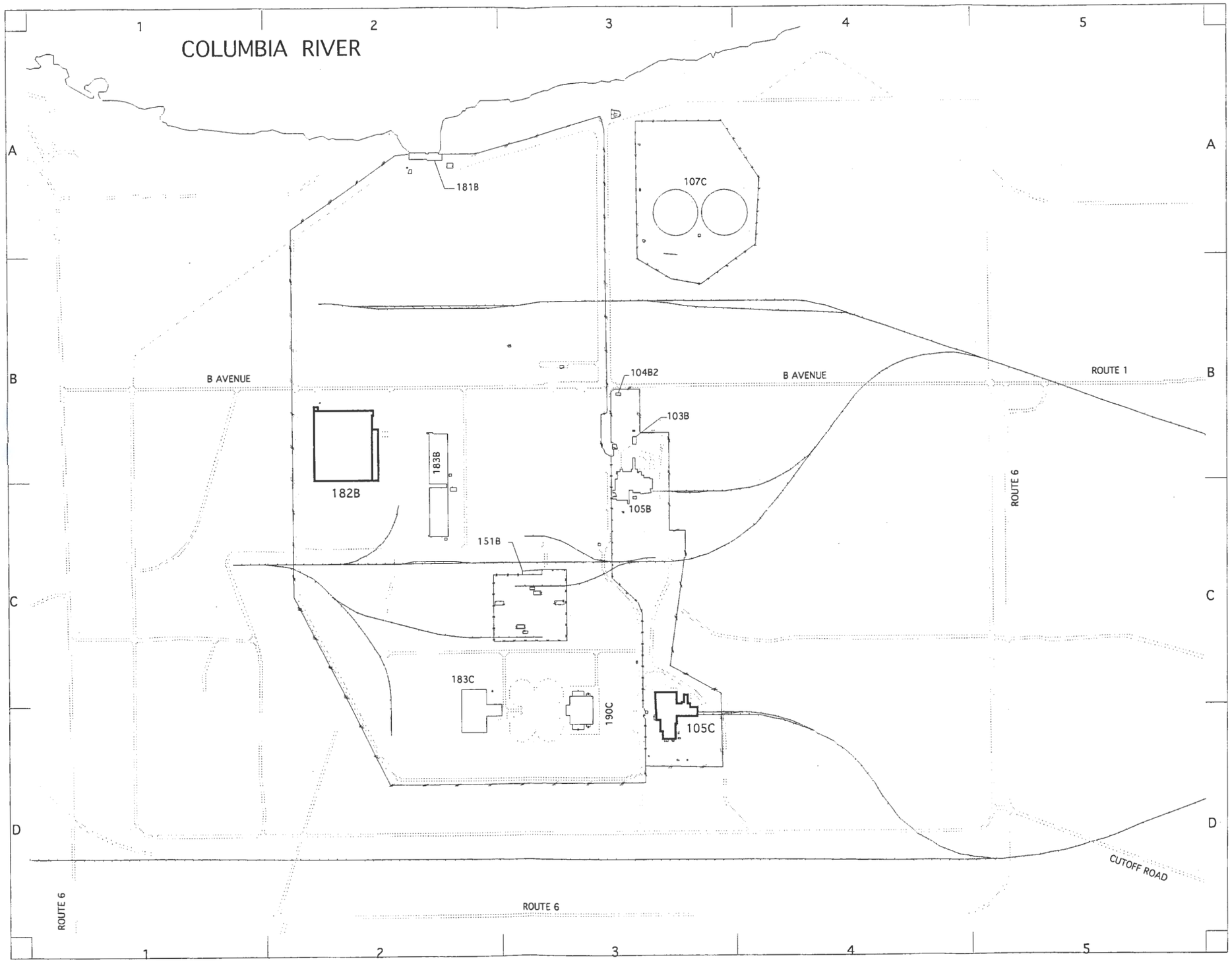
BUILDING NUMBER	ZONE
103B	B3
104B2	B3
105B	C3
105C	D3
107C	A3
151B	C3
181B	A2
182B	B2
183B	C2,B2
183C	D2
190C	D3

LEGEND

- MAJOR BUILDINGS
- MINOR BUILDINGS MISC STRUCTURES/ SHEDS & TOWERS
- 242A — BUILDING NUMBERS
- MOBILE OFFICES
- M0240 — 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



100 B/C AREA

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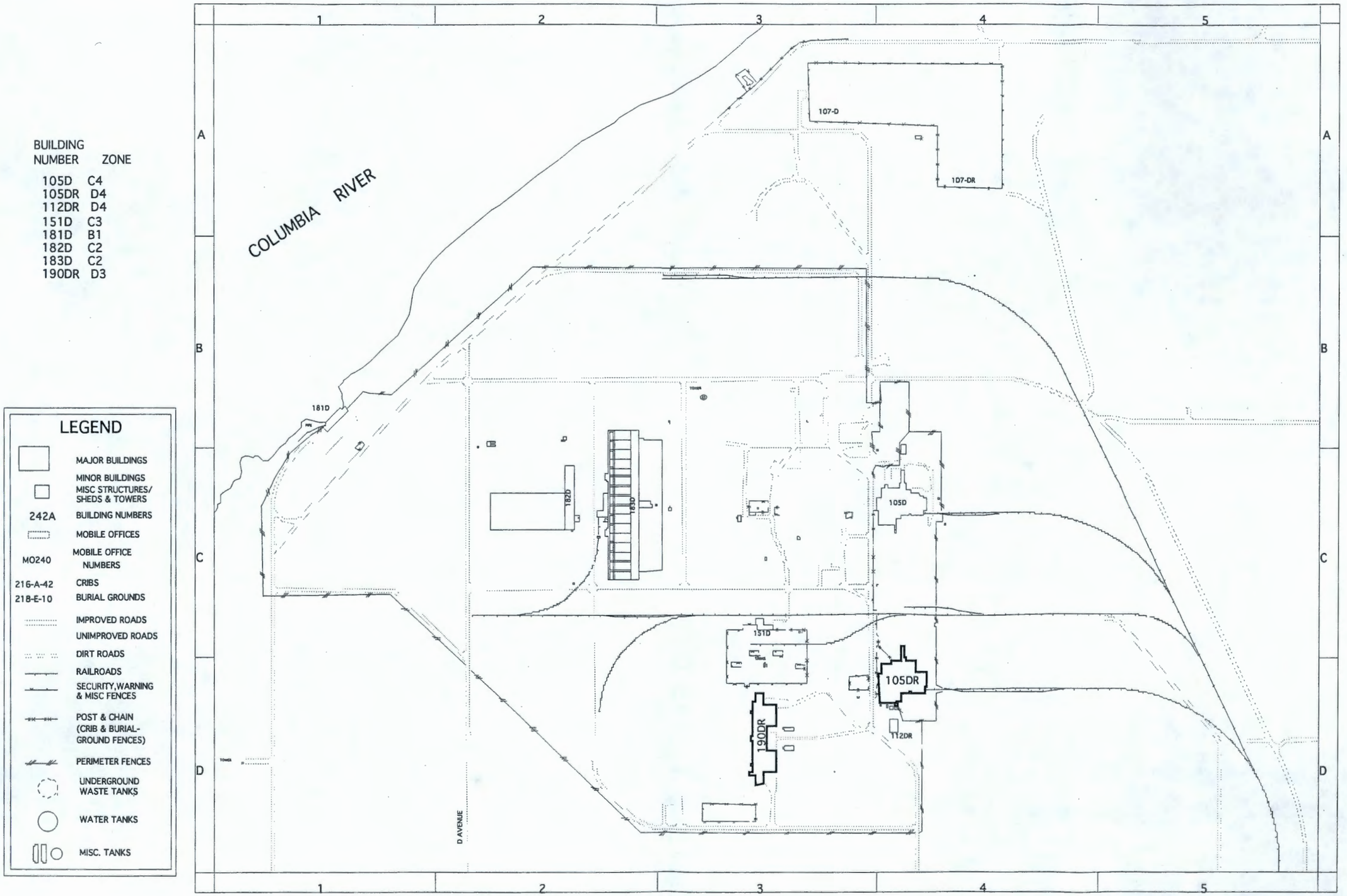
BUILDING
NUMBER ZONE

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



100 D/DR AREA

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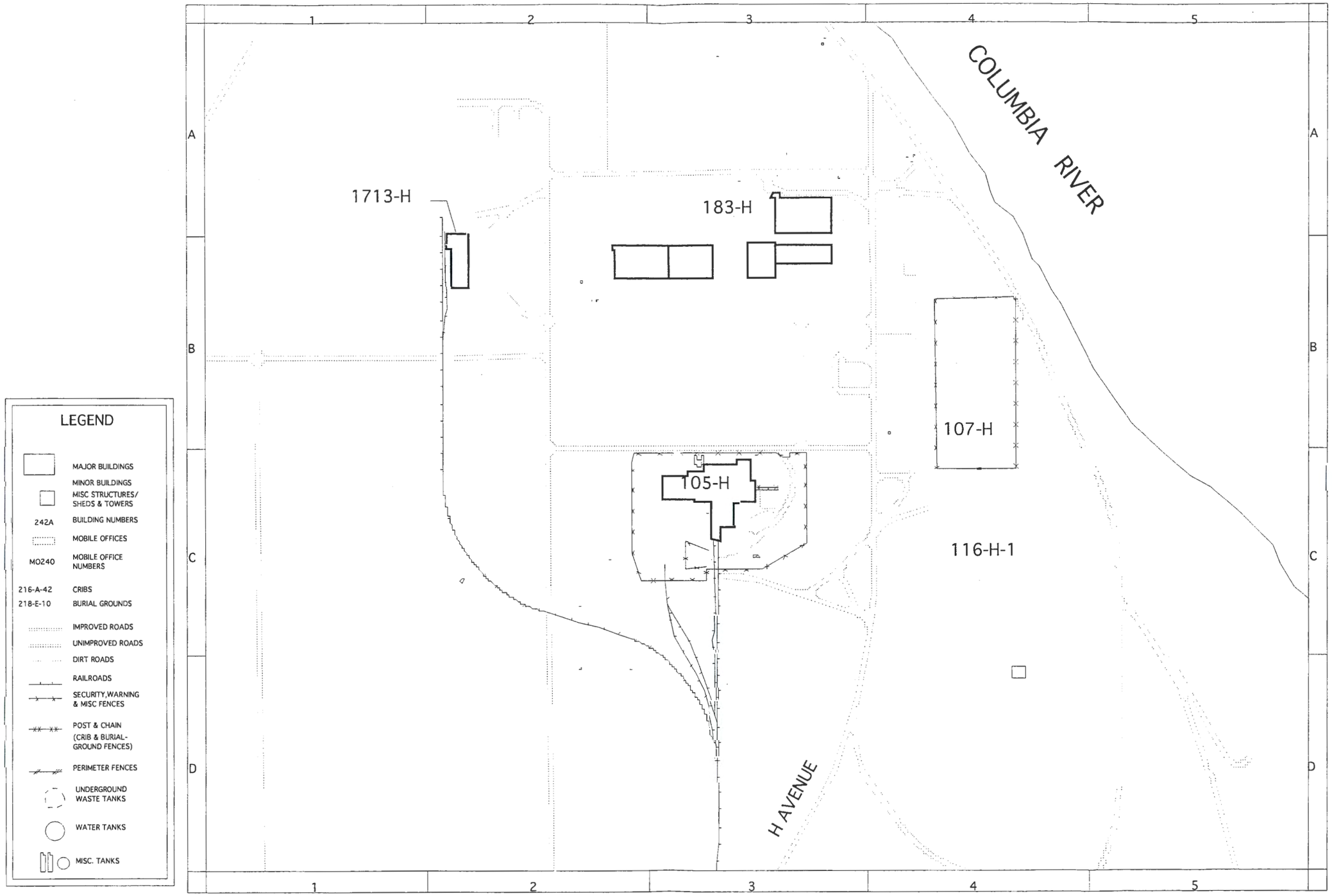

100 H AREA

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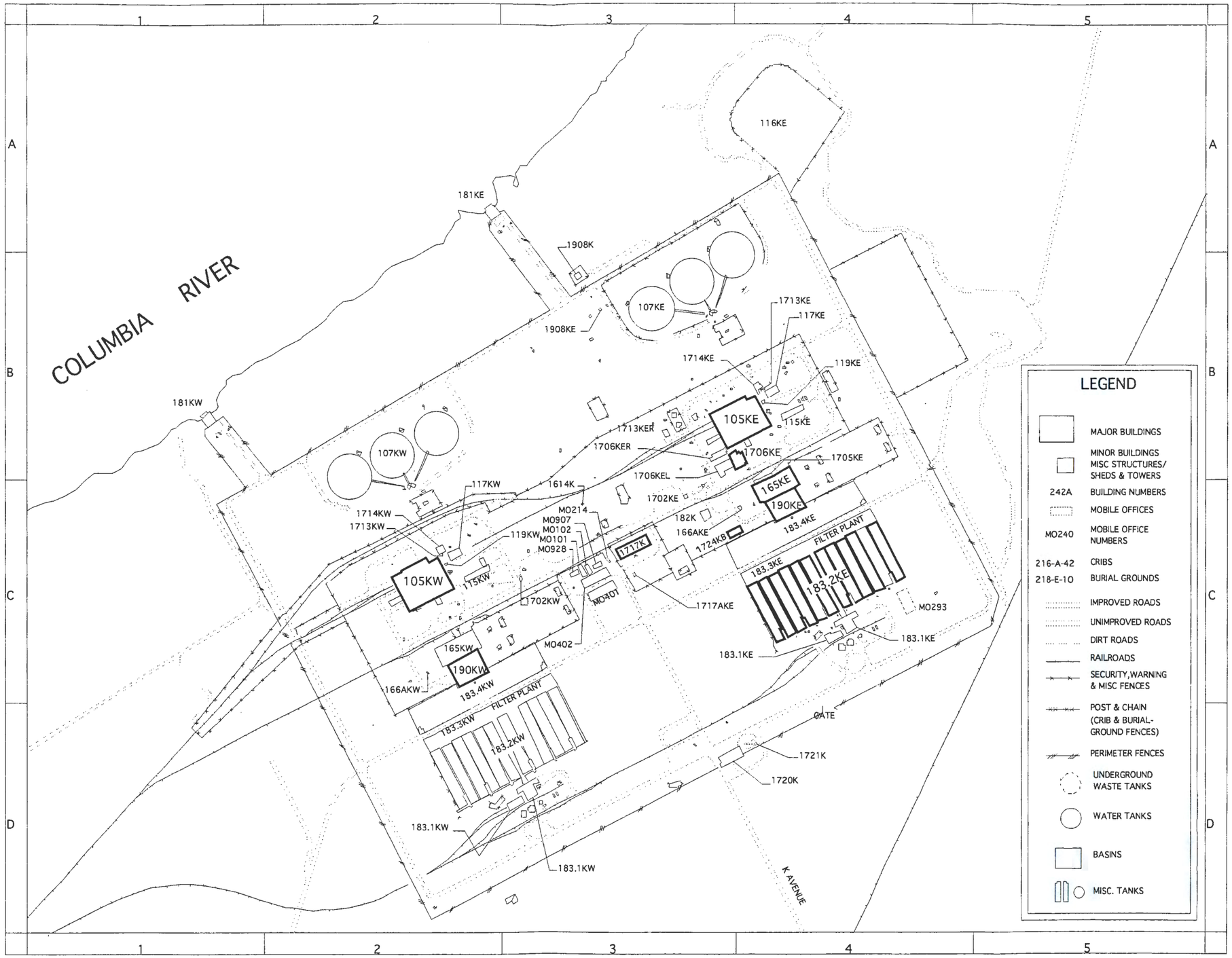
BUILDING NUMBER	ZONE
105KE	B4
105KW	C2
115KE	B4
115KW	C2
117KE	B4
117KW	C2
119KE	B4
119KW	C2
165KE	C4
165KW	C2
166AKW	C2
166AKE	C4
1614K	C3
1702KE	C3
1702KW	C3
1706KE	B4
1706KEL	B3
1706KER	B3
1713KE	B4
1713KER	B3
1713KW	C2
1714KE	B4
1714KW	C2
1717K	C3
1717AKE	C3
1720K	D3
1721K	D4
181KE	A2
181KW	B1
182K	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



100 K AREA

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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	MO013	C4
1119	B3	MO050	C3
1120N	C4	MO054	C3
1143N	D3	MO055	C3
117N	B2	MO100	C3
11N	B3	MO101	C4
1301N	A3	MO200	C3
1313N	A2	MO229	D4
1314N	A2	MO301	D4
1316N	B3	MO312	D3
1322N	B3	MO348	D4
1322NA	B3	MO352	D4
1322NB	B3	MO358	C3
13N	B3	MO367	C2
1513N	B4	MO381	D3
1514N	B4	MO383	C2
1515N	B3	MO397	D4
1516N	B3	MO415	C3
1517N	B4	MO531	C2
151N	C3	MO535	D4
153N	C2	MO536	B3
163N	C2	MO549	B3
163PAD	C2	MO550	B3
166N	B2	MO714	D3
1701	D2	MO862	C3
1703N	D2	MO900	C4
1705N	B2	MO910	D3
1706N	B2	MO911	C3
1707N	C1	MO913	B3
1712N	B2	MO920	C3
1714N	B2	MO923	B3
1722N	B2	MO925	B3
1723N	A3	MO928	C4
1734N	B3	MO942	D3
181N	B1	MO951	C4
181NE	C1	MO952	C4
182N	C2	MO954	B4
183N	C2	MO955	B3
184N	C2	MO992	C3

100 N AREA

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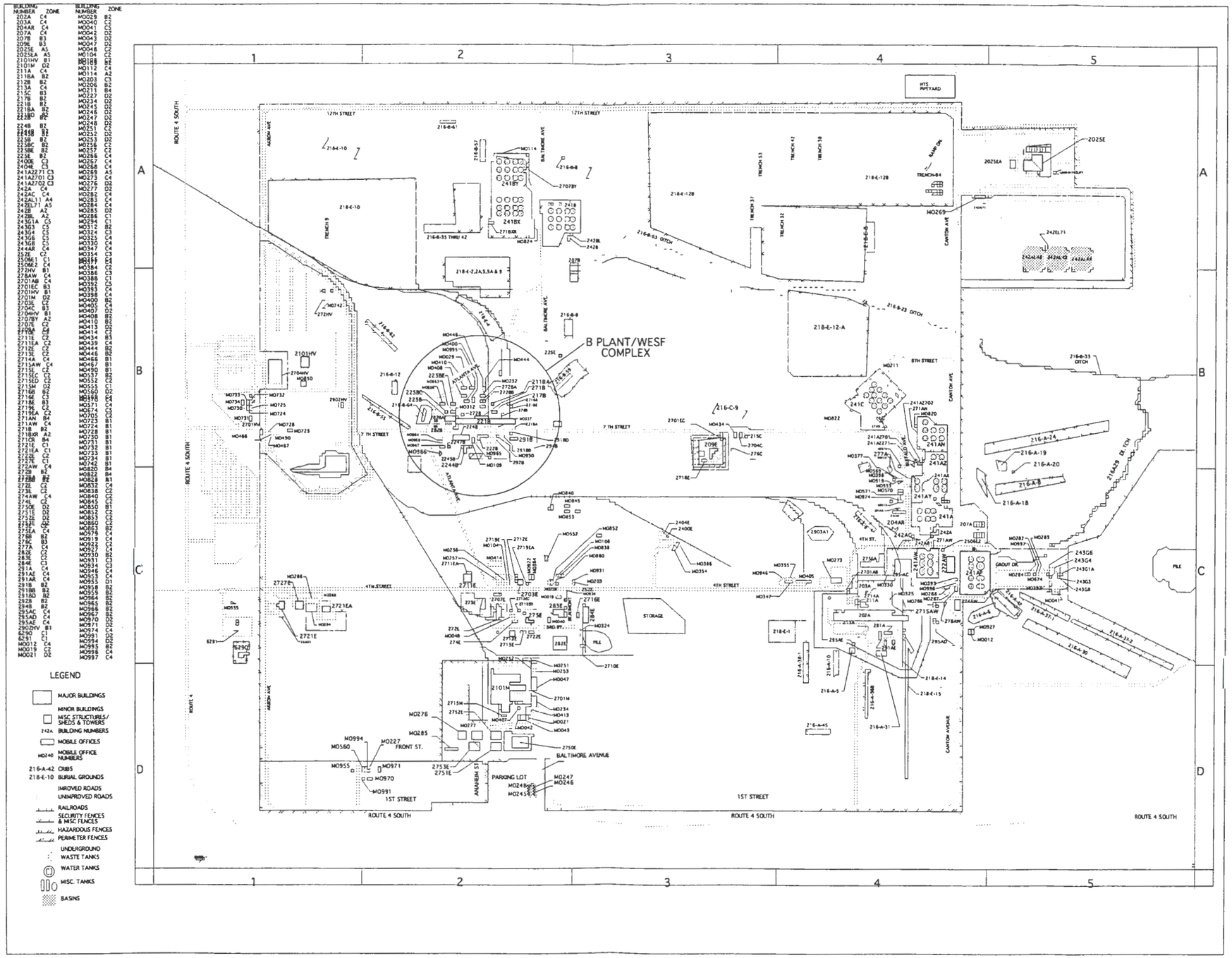

BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE
202A	C4	MO029	B2
203A	C4	MO040	C2
204AR	C4	MO041	C5
207A	C4	MO042	D2
207B	B3	MO043	D2
209E	B3	MO047	C2
2025E	A5	MO048	C2
2025EA	A5	MO104	C2
2101HV	B1	MO108	B2
2101M	D2	MO112	C4
211A	C4	MO114	A2
211BA	B2	MO203	C3
212B	B2	MO206	B2
213A	C4	MO211	B4
215C	B3	MO227	D2
217B	B2	MO234	D2
221B	B2	MO245	D2
221BA	B2	MO246	D2
221BD	B2	MO247	D2
224B	B2	MO248	D2
224BB	B2	MO251	C2
225B	B2	MO252	D2
225BC	B2	MO253	D2
225BE	B2	MO256	C2
225E	B2	MO257	C2
240DE	C3	MO266	C4
240ME	C5	MO267	C4
241A2271	C3	MO268	C4
241A2701	C3	MO269	A5
241A2702	C3	MO273	C4
242A	C4	MO276	D2
242AC	C4	MO277	D2
242AL11	A4	MO282	C4
242EL71	A5	MO283	C4
242B	A2	MO284	C4
242BL	A2	MO285	D2
243G1A	C5	MO286	C1
243G3	C5	MO294	C1
243G4	C5	MO312	B2
243G6	C5	MO324	C3
243G8	C5	MO325	C4
244AR	C4	MO330	C4
252E	C2	MO347	C4
2506E1	C1	MO354	C3
2506E2	C4	MO359	C4
272HV	B1	MO384	C2
276AW	C4	MO386	C3
2701AB	C4	MO388	C1
2701EC	B3	MO392	C5
2701HV	B1	MO393	C4
2701M	D2	MO398	C4
2703E	C3	MO400	B2
2704C	B3	MO405	C4
2704HV	B1	MO407	D2
2707BY	A2	MO408	B2
2707E	C2	MO410	B2
2709E	C4	MO413	D2
2710E	C2	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
2715ED	C2	MO537	B2
2715M	D2	MO552	C2
2716B	B2	MO555	C1
2716E	C3	MO560	D2
2718E	B3	MO570	C4
2719E	C3	MO571	C4
2719EA	C2	MO574	C4
271AN	B4	MO705	C2
271AW	C4	MO723	B1
2718	B2	MO724	B1
2718BX	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
2728B	B2	MO822	B4
2728D	B2	MO824	B1
273E	C2	MO832	C4
275E	C2	MO838	C2
274AW	C4	MO840	C2
274E	C2	MO845	C2
2750E	D2	MO850	B1
2751E	D2	MO852	C2
2752E	D2	MO853	C2
2753E	D2	MO860	C2
275AE	C4	MO863	B2
276B	B5	MO919	C4
276C	B5	MO922	C2
277A	C4	MO927	C4
280E	C2	MO930	B2
283E	C2	MO931	C3
284E	C3	MO934	C3
291A	C4	MO946	C4
291AE	C4	MO953	C4
291AR	C4	MO955	D1
291B	B2	MO958	B2
291BB	B2	MO959	B2
291BD	B2	MO964	B2
292B	B2	MO965	B2
294B	B2	MO966	B2
295AC	C4	MO967	B2
295AD	C4	MO970	D2
295AE	C4	MO971	D2
2902HV	B1	MO974	C4
6290	C1	MO991	D2
6291	C1	MO994	D2
MO012	C4	MO995	B2
MO019	C2	MO998	C4
MO021	D2	MO997	C4

200 EAST AREA

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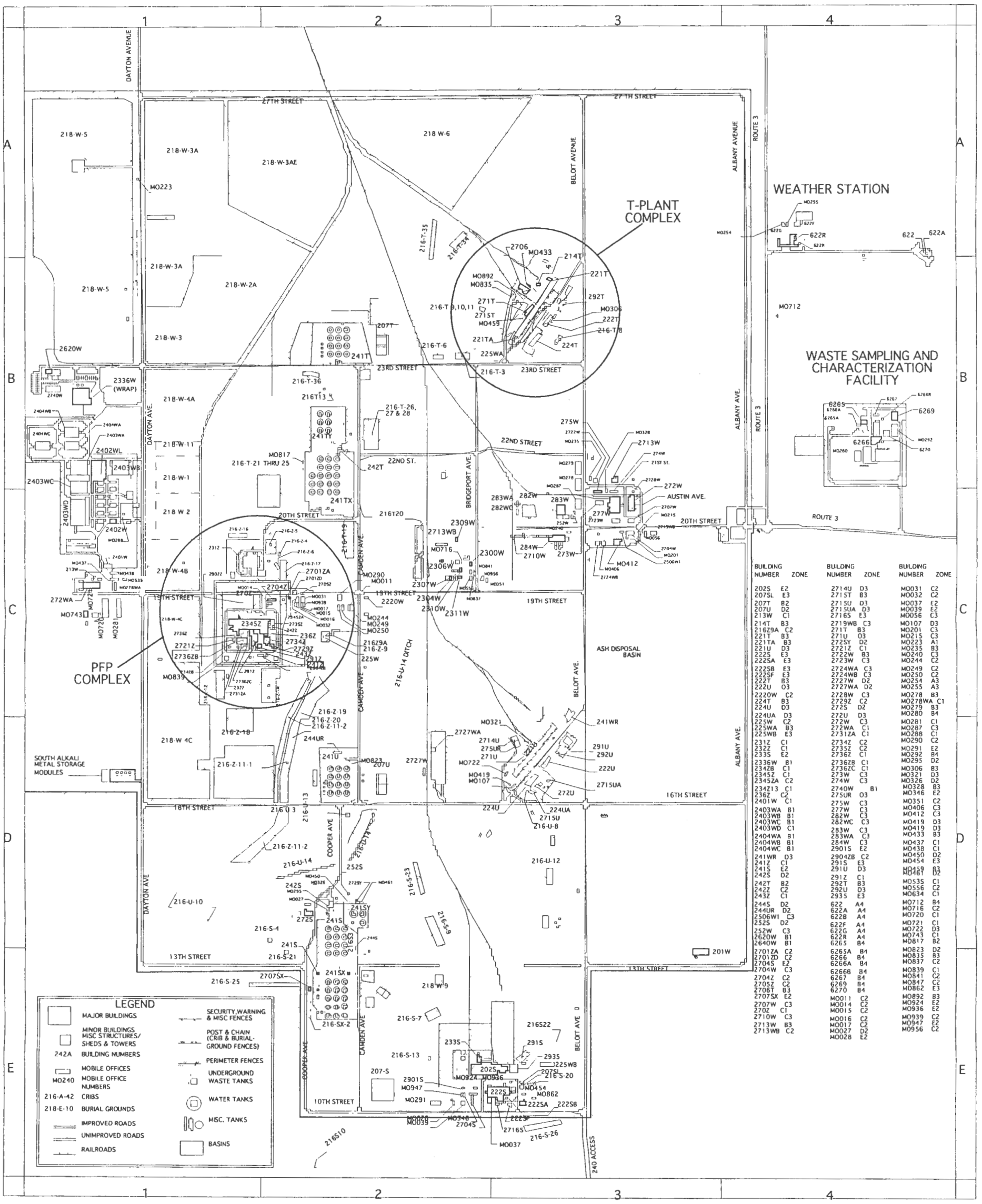

BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE	BUILDING NUMBER	ZONE
202S	E2	2714U	D3	M0031	C2
207SL	E3	271ST	B3	M0032	C2
207T	B2	2715U	D3	M0037	E2
207U	D2	2715UA	D3	M0039	E2
213W	C1	2716S	E3	M0056	C3
214T	B3	2719WB	C3	M0107	D3
216Z9A	C2	271T	B3	M0201	C3
221T	B3	271U	D3	M0215	C3
221TA	B3	272SY	D2	M0223	A1
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	O3	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
2342B	C1	2736ZC	C1	M0306	B3
2345Z	C1	273W	C3	M0321	D3
2345ZA	C2	274W	C3	M0326	D2
234Z13	C1	2740W	B1	M0328	B3
236Z	C2	275UR	O3	M0346	E2
2401W	C1	275W	C3	M0351	C2
2403WA	B1	277W	C3	M0406	C3
2403WB	B1	282W	C3	M0412	C3
2403WC	B1	282WC	C3	M0419	D3
2403WD	C1	283W	C3	M0419	D3
2404WA	B1	283WA	C3	M0433	B3
2404WB	B1	284W	C3	M0437	C1
2404WC	B1	2901S	E2	M0438	C1
241WR	D3	2904ZB	C2	M0450	D2
241Z	C1	291S	E3	M0454	E3
241S	E2	291U	D3	M0459	B3
242S	D2	291Z	C1	M0461	D2
242T	B2	292T	B3	M0535	C1
242Z	C2	292U	D3	M0556	C2
243Z	C1	293S	E3	M0634	C1
244S	D2	622	A4	M0712	B4
244UR	D2	622A	A4	M0716	C2
2506W1	C3	622B	A4	M0720	C1
252S	D2	622F	A4	M0721	C1
252W	C3	622G	A4	M0722	D3
2620W	B1	622R	A4	M0743	C1
2640W	B1	626S	B4	M0817	B2
2701ZA	C2	6265A	B4	M0823	D2
2701ZD	C2	6266	B4	M0835	B3
2704S	E2	6266A	B4	M0837	C2
2704W	C3	6266B	B4	M0839	C1
2704Z	C2	6267	B4	M0841	C2
2705Z	C2	6269	B4	M0847	C2
2706T	B3	6270	B4	M0862	E3
2707SX	E2	M0011	C2	M0892	B3
2707W	C3	M0014	C2	M0924	E2
270Z	C1	M0015	C2	M0936	E2
2710W	C3	M0016	C2	M0939	C2
2713W	B3	M0017	C2	M0947	E2
2713WB	C2	M0027	D2	M0956	C2
		M0028	E2		

99020104.2

200 WEST AREA

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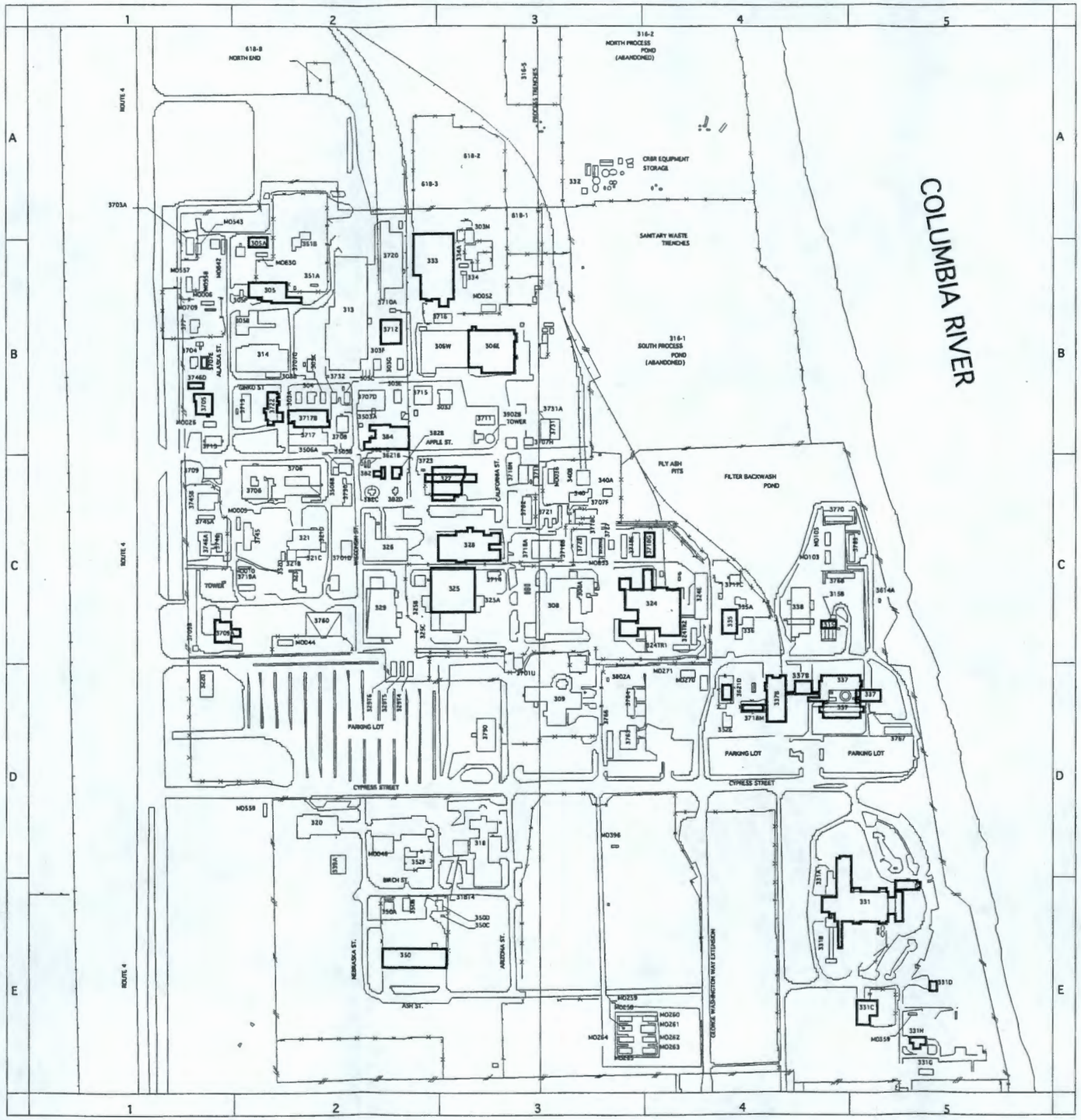
BUILDING NUMBER	ZONE
303A	B2
303B	B2
303C	B2
303E	B2
303F	B2
303G	B2
303J	B3
303K	B2
303M	A3
304	B2
305	B2
305A	B2
305B	B2
305P	B2
306E	B3
306W	B3
308	C3
308A	C3
309	D3
313	B2
314	B2
315	C4
315B	C4
318	D3
318T4	D3
320	D2
321	C2
321B	C2
321C	C2
321D	C2
3220	D1
323	C2
324	C4
324E	C4
324TR1	C4
324TR2	C4
325	C3
325A	C3
325B	C2
325C	C2
326	C2
327	C3
328	C3
329	C2
329T4	D2
329T5	D2
329T6	D2
331	E5
331A	E4
331B	E4
331C	E5
331D	E5
331G	E5
331H	E5
332	A3
333	B2
334	B3
334A	B3
335	C4
335A	C4
336	C4
337	D4
337B	D4
338	C4

BUILDING NUMBER	ZONE
339A	D2
340	C3
340A	C3
340B	C3
350	E2
350A	E2
350B	E2
350C	E3
350D	E3
350E	E2
350B	E2
350C	E3
350D	E3
351A	B2
351B	B2
352D	C2
352E	D4
352F	D2
3614A	C5
3621B	C2
3621C	C2
3621D	D4
3701D	C2
3701U	D3
3702	C2
3703A	B1
3704	B1
3705	B1
3706	C2
3707D	B2
3707E	B1
3707F	C3
3707G	B2
3707H	B3
3708	B2
3709	C1
3709A	C1
3709B	C1
3710A	B2
3711	B3
3712	B2
3713	B2
3714	C3
3715	B2
3716	B3
3717	B2
3717B	B2
3717C	C4
3718	C3
3718A	C3
3718B	C3
3718C	C3
3718E	C3
3718G	C4
3718M	D4
3718N	C3
3719	B1
3719A	C2
3720	B2
3721	C3

BUILDING NUMBER	ZONE
3722	B2
3723	C2
3727	C3
3728	C3
3730	C2
3731	B3
3731A	B3
3732	B2
3745	C2
3745A	C1
3745B	C1
3746	C1
3746A	C1
3746D	B1
3760	C2
3762	C3
3763	D3
3764	D3
3766	D3
3767	D5
3768	C4
3769	C5
377	B1
3770	C4
3790	D3
3802A	D3
382	C2
382B	C2
382C	C2
382D	C2
384	B2
M0006	B1
M0009	C2
M0010	C2
M0026	B1
M0036	C3
M0044	C2
M0046	D2
M0052	B3
M0103	C4
M0105	C4
M0258	E3
M0259	E3
M0260	E4
M0261	E4
M0262	E4
M0263	E4
M0264	E3
M0265	E3
M0270	D4
M0271	D4
M0350	C2
M0359	E5
M0396	D3
M0543	B1
M0557	B1
M0558	B1
M0559	D2
M0565	B1
M0709	B1
M0830	B2
M0833	C3
M0842	B1



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

300 AREA

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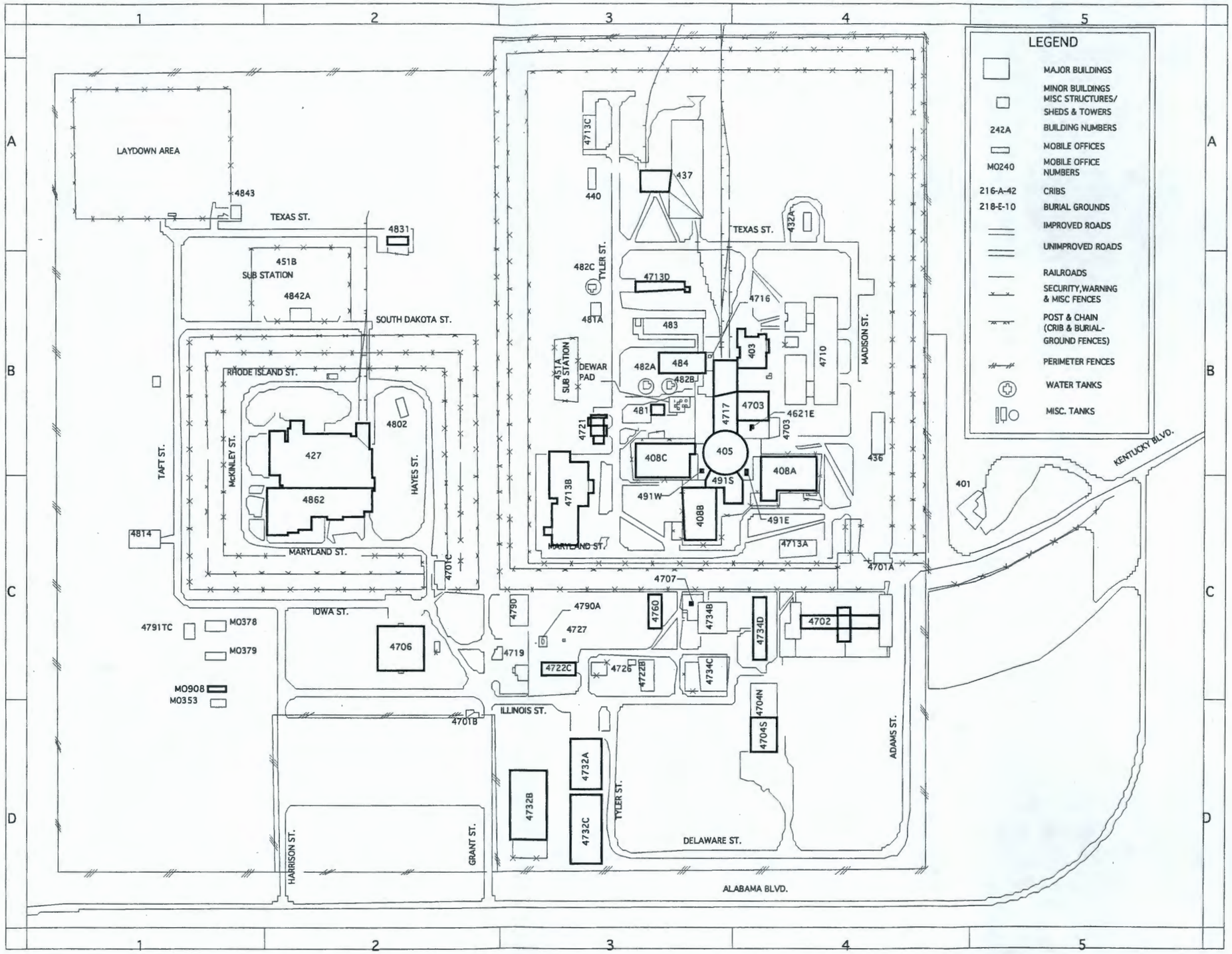
BUILDING NUMBER	NUMBER ZONE
401	C4
403	B4
405	B3
408A	B4
408B	C3
408C	B3
427	B2
432A	A4
436	B4
437	A3
440	A3
4621E	B4
4701A	B4
4701B	D2
4701C	C2
4702	B4
4703	B4
4703	B4
4704N	D4
4704S	D4
4706	C2
4707	C3
4710	B4
4713A	B4
4713B	C3
4713C	A3
4713D	B3
4716	B3
4717	B3
4719	C3
4721	B3
4722B	C3
4722C	C3
4726	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



400 AREA

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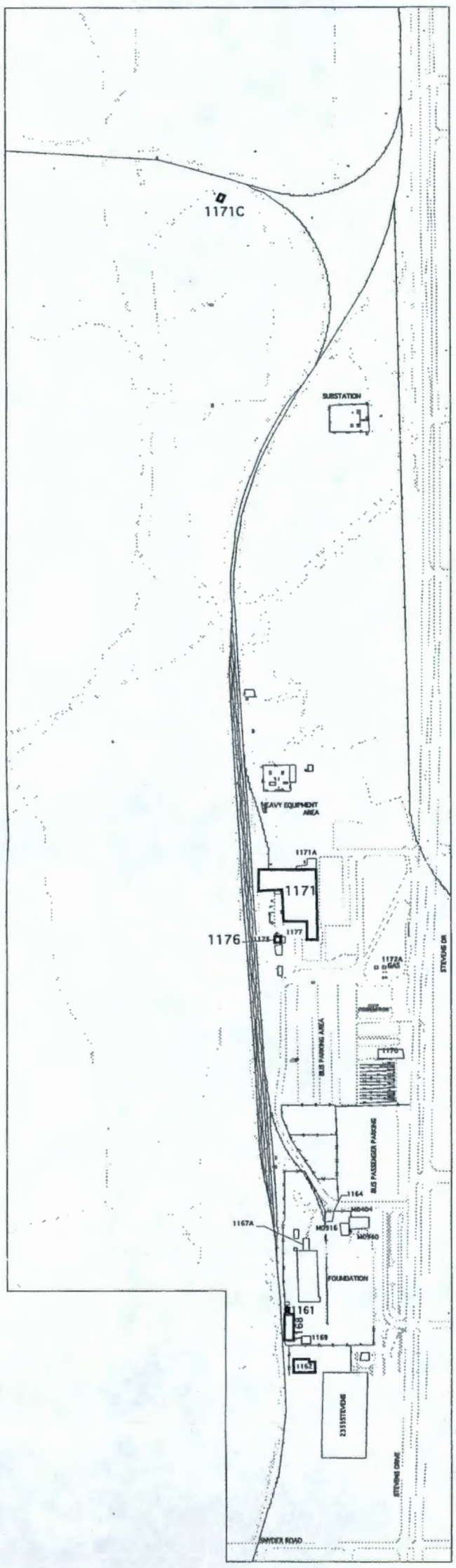

LEGEND

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

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
2355STEVENS	E2
MO404	D2
MO916	D2
MO940	D2
SUBSTATION	B2

1100 AREA

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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

100 B/C Area (map on page 61)

105C - *12, 37*
182B - *21, 53*
Maintenance trailer - *23, 28*

100D/DR Area (map on page 62)

100DR-1 Operable Unit - *11, 21, 30, 37, 41, 45, 51*
105DR - *12*
190DR - *1, 14, 45, 48*

100H Area (map on page 63)

100-HR-3 Pump & Treat - *57*

100K Area (map on page 64)

100-KR-4 Operable Unit - *57*
105KE - *4, 10, 48*
105KW - *4, 10, 48*
142K - *41*
165KE - *4, 51*
1706KE - *4, 31, 33, 53, 57*
1717K - *4, 12, 23, 41*
1724K - *30, 51*
1724KA - *11*
1724KB - *4, 16, 33, 37, 41*
183KE - *15, 30*
190KE - *5, 23, 24, 30, 33, 45, 51, 57*
190KW - *5*

100N Area (map on page 65)

105N - *19*
105NB - *15, 19, 30, 51, 59*
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1143NA - *51*
1330N - *1, 19, 59*
1512N - *4, 16, 33, 37*
1515N - *4, 37*
1714N - *51, 53, 57*
1714NB - *41*
1723N - *1, 16, 41*
183N - *3, 15, 51, 53*
Equipment Pool - *21*
MO425 - *19, 36, 40*
N Springs - *45*

200E Area (map on page 66)

2025E - *5, 10, 12, 26, 29, 31, 33, 41, 45, 46, 51, 53, 54, 57*
204AR - *21, 54*
209E - *5, 12, 42*
2101HV - *1, 5, 17, 26, 33, 42*
2101M - *1, 5, 10, 12, 15, 16, 17, 20, 24, 26, 30, 33, 37, 42, 48, 50, 54, 59*
212H - *21, 37, 42*
225E - *42*
241A - *17*
241A401 - *24, 46, 55*
241AN - *6, 17*
241AP - *6, 17, 34*
241AW - *6, 16*
241AY - *6*
241AZ - *46*
241BX - *6*
241BY - *17*
241C - *6*
242A - *6, 13, 21, 34, 43, 52*
242A81 - *13*
242AC - *15, 34, 38, 43*
243G4 - *10*
243G6 - *10*
2703E - *7, 17, 24, 34, 46, 52*
2711E - *7, 20, 23, 26, 30, 34, 38, 43*
2715AW - *24, 26, 49, 52*
2716E - *7, 17, 38*
2721E - *20, 21*
2721EA - *7, 11, 18, 31, 38, 43, 46*
2727E - *34*
272AW - *7, 26, 35, 38, 43, 46*
272BA - *52*
275E - *18, 43*
277A - *7, 18, 25, 35, 38, 46*
283E - *3, 15*
284E - *16, 52*
MO269 - *45*
6290 - *9, 19, 40, 45*
HTS Pipeyard - *3, 9, 10, 12, 22, 27, 36, 40, 45, 49*

200E Area (continued)

B Plant/Waste Encapsulation and Storage Facility complex:

211BA - *54, 57*
2200B - *5*
221B - *5, 23, 31*
2241B - *46*
2244B - *5, 37*
2247B - *5, 37, 42*
2249B - *5, 17, 33, 37, 42*
225B - *5, 34, 42, 48*
225BC - *34*
225BE - *42*
225BG - *34*
271B - *7, 18, 38, 43, 55*
282B - *21*
282BA - *21*
291B - *8*
MO387 - *9*
MO966 - *45*

Central Fire Station Complex and surrounding locations - On Route 3 between 200E and 200W Areas (map on page 60)

607 - *49, 59*
609A - *19, 40, 44, 45*
609C - *11, 19*
609D - *19, 40*
609G - *19*
616 - *14, 48, 49, 50*

200W Area (map on page 67)

200-UP-1 Treatability Test Site - *12*
200-ZP-1 Pump and Treat - *12, 16, 21, 33, 41, 52*
200-ZP-2 ERA - *12, 16, 33, 41, 51*
201W - *30*
202S - *33, 41*
222S - *1, 5, 10, 13, 17, 20, 29, 30, 31, 33, 37, 42, 48, 51, 54, 57*
222SA - *1, 5, 10, 11, 24, 26, 28, 29, 31, 37, 48, 51, 54, 57*
2336W - *6, 24, 34, 46*
233S - *1, 48*
2402W - *34, 42*
2402WL - *42*
241S - *17*
241SX - *6, 17*
241SY - *6, 10*
241T - *6*
241TX - *6*
241U - *6*
241Z - *32, 55*
242S - *7*
2620W - *7, 43*
2707SX - *43*
2713W - *25*
2713WB - *7, 38*
2713WC - *23, 25, 26, 40, 46*
271U - *13*
2727W - *34, 50*
272S - *20, 59*
272W - *7, 31, 38, 46*
272WA - *2, 7, 24, 25, 35, 38, 43*
275W - *7, 31, 35, 38, 43*
277W - *7, 8, 35, 38, 43*
283W - *3, 15, 31*
284W - *21, 43, 52*
Alkali Metals Storage Modules - *50*
MO037 - *19*
MO412 - *36*
MO743 - *49*
251W (N of 200W Area) - *11, 21*

Construction complex:

2300W - *42*
2304W - *5, 34*
2306W - *5, 17, 34, 37, 42*
2307W - *6, 37*
2309W - *6, 37, 42*
2310W - *6, 15, 17, 34, 38, 42*
2311W - *15*

200W Area (continued)

Plutonium Finishing Plant (PFP) complex:
234-5Z - *1, 3, 6, 10, 11, 12, 13, 17, 21, 24, 26, 28, 29, 30, 32, 34, 38, 46, 48, 49, 50, 51, 52, 55, 58*
236Z - *13, 26, 32, 46, 58*
243Z - *13*
2701ZA - *11*
2704Z - *11*
2721Z - *21*
2729Z - *2, 26*
2734ZB - *18*
2734ZC - *7, 35, 38*
2734ZF - *7, 38*
2734ZG - *35*
2734ZH - *35*
2734ZK - *7, 43*
2736ZA - *21*
2736ZB - *7*
291Z - *55*
T Plant complex:
211T - *30, 54*
214T - *30*
221T - *1, 5, 13, 17, 20, 30, 33, 37, 42, 48, 50, 54*
2706T - *13, 30*
271T - *20, 23, 31, 32, 55*
277T - *10, 13*
MO289 - *14*
MO433 - *14*

Weather Station Complex, Northeast of 200W Area (map on page 67)

622R - *2, 9, 19, 27, 29, 32, 36, 45, 53, 56, 58*

Waste Sampling and Characterization Facility (WSCF), East of 200W Area (map on page 67)

6265 - *9, 19, 36, 40, 45*
6266 - *2, 14, 20, 27, 28, 29, 32, 47, 49, 53, 56, 58*
6268 - *32, 56*
6269 - *14, 32, 56, 58*

Environmental Restoration Disposal Facility, Southeast of 200W Area (map on page 60)

6618 - *22, 31*

300 Area (map on page 68)

305 - *2, 8, 18, 26, 27, 29, 35, 38, 43, 47, 49*
305A - *8, 35, 39, 47*
306E - *2, 3, 8, 12, 13, 18, 24, 25, 29, 32, 35, 39, 44, 47, 49, 52, 55, 58*
315 - *3, 15, 58*
324 - *2, 8, 27, 38, 44*
325 - *8, 35, 39*
327 - *2, 8, 31, 32, 47, 56*
328 - *8, 18, 35, 39, 44, 59*
331 - *39, 56*
331C - *11, 15, 35, 39, 47*
331D - *15, 20, 52, 56*
331H - *44*
333 - *8, 44*
335 - *50*
337 - *35*
337B - *50*
350 - *8, 35, 39*
3621-66 - *22*
3621D - *22, 23, 27*
3705 - *47, 52, 56, 58*
3707E - *27, 49*
3709A - *18, 39*
3712 - *8*
3717B - *8, 13, 18, 24, 36, 39, 52*
3718G - *2, 15, 27, 31, 52*
3718M - *50*
3718N - *44*
3722 - *8, 38, 44*
3746D - *3, 47, 52, 58*
382 - *52, 56*
382B - *22*
384 - *8, 22, 28, 36, 39, 44, 53*

Locations near 300 Area (map on page 60)

300-FF-1 Operable Unit, north of area - *8, 21, 35, 38, 43, 46*
3020, south of area - *22, 25, 47, 55*
310, north of area - *27, 28, 29, 56*
Pit 6, west of area - *28, 58*

400 Area (map on page 69)

403 - *8, 11, 50*
405 - *18, 23, 25, 27, 36, 50*
408A - *18, 22*
408B - *18, 22*
408C - *18, 22*
427 - *2, 11, 22, 27, 36, 49, 59*
437 - *9, 36*
4621E - *9, 41*
4621W - *9, 36, 41*
4702 - *20*
4703 - *11*
4704S - *9, 13, 14, 18, 31, 36, 39, 44*
4706 - *20*
4707 - *20*
4713B - *9, 15, 18, 31, 36, 39, 44*
4713D - *9, 36, 39, 44*
4717 - *9*
4721 - *11, 22*
4722C - *44*
4732A - *2, 47, 49*
4732B - *53, 56*
4732C - *2, 23, 25, 27*
4734D - *20*
4760 - *9, 39*
481 - *22*
481A - *22*
4831 - *23, 25, 27, 59*
484 - *19, 20*
4862 - *27*
491E - *9, 11, 41*
491S - *9*
491W - *9, 41*
MO908 - *20*

1100 Area (map on page 70)

1161 - *33, 41*
1162 - *19*
1168 - *4, 15, 16, 19, 33, 37*
1171 - *4, 15, 16, 19, 21, 23, 26, 30, 33, 37, 41, 53*
1171C - *11, 23, 26, 30, 45*
1176 - *23, 26*

100 Area Fire Station Complex
On corner of Routes 1 and Route 4N
(map on page 60)

609 - *19, 44*
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Patrol Training Academy
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