Y/TS-1713

Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

R. A. Evans

RECEIVED
MAY 07 1998
OSTI

Environmental Compliance
Organization

February 1998

MASTER

Prepared by the
Oak Ridge Y-12 Plant
Oak Ridge, Tennessee 37831
managed by
Lockheed Martin Energy Systems, Inc.
for the U.S. Department of Energy
under Contract No. DE-AC05-84OR21400

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MANAGED BY
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

UCN-13672 (26 6-95)

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible electronic image products. Images are produced from the best available original document.

Y/TS-1713

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT SECTION 312 TIER TWO REPORT FORMS

R. A. Evans

Environmental Compliance
Organization

February 1998

Prepared by the
Oak Ridge Y-12 Plant
Oak Ridge, Tennessee 37831
managed by
Lockheed Martin Energy Systems, Inc.
for the U.S. Department of Energy
under Contract No. DE-AC05-84OR21400

Enclosure 1
Letter, Butz to Jackson
Dated: February 18, 1998

LETTER TITLE:

Contract DE-AC05-84OR21400, Emergency Planning and Community Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1997

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MASTER

LOCKHEED MARTIN

LOCKHEED MARTIN ENERGY SYSTEMS, INC.

Post Office Box 2009
Oak Ridge, Tennessee 37831

February 18, 1998

RECEIVED
MAY 07 1998
OSTI

Mr. J. D. Jackson
Department of Energy, Oak Ridge Operations
Post Office Box 2001
Oak Ridge, Tennessee 37831

Dear Mr. Jackson:

Contract DE-AC05-84OR21400, Emergency Planning and Community Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1997

As required by provisions under Section 312, Inventory Reporting, of the EPCRA and Executive Order (EO) 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, the Y-12 Plant staff is submitting an unclassified version of the Tier-Two Forms (Enclosure 1). This report contains data for CY 1997 for all hazardous chemicals stored at the Y-12 Plant in quantities equal to or greater than 10,000 pounds and all extremely hazardous substances stored in quantities equal to or greater than 500 pounds or the threshold planning quantity, whichever is lower. To comply with the law and EO 12856, this information must be submitted to the state and local agencies listed below on or before March 1, 1998:

Tennessee Emergency Response Council
Attention: Ms. Betty Eaves
3141 Sidco Drive
Nashville, Tennessee 37204

Tennessee Emergency Management Agency
Region Emergency Operations Center
Attention: Mr. Charles Sitzlar
836 Louisville Road
Alcoa, Tennessee 37701

Anderson County Local Emergency Planning Committee (LEPC)
Attention: Mr. Ken Fritts
100 North Main Street
Clinton, Tennessee 37716

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

MASTER

Knox County LEPC
Attention: Mr. Fred Berry Jr.
City-County Building, Suite L320
400 West Main Street
Knoxville, Tennessee 37902

Loudon County LEPC
Attention: Mr. Al Jordan
12680 Highway 11W Suite 5
Lenoir City, Tennessee 37771

Roane County LEPC
Attention: Mr. Leroy Mitchell
Post Office Box 43, Mideast CAA
Rockwood, Tennessee 37854

Oak Ridge Fire Department
City of Oak Ridge
Attention: Mr. Mac Bailey
Post Office Box 1
Oak Ridge, Tennessee 37831-0001

Please forward the enclosed report forms to the referenced state and local agencies. These Tier-Two Forms require a signature of certification by the facility owner or designee. Please note that as per Title 40, Code of Federal Regulations, Part 370.41, submissions to the State Emergency Response Commission, Local Emergency Planning Committee, and Fire Department personnel 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.

Also included with this submittal is a key to the inventory, temperature, pressure, and container codes used on the report forms (Enclosure 2). This information is included to aid in the interpretation of the data presented. It is not necessary that the code information be forwarded to the referenced state and local agencies. Classified information supporting this document will be maintained on file for review by Q-cleared personnel.

I certify that the information in this document and all enclosures related to the Lockheed Martin Energy Systems, Inc., inventory were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Enclosure 3 contains CY 1997 inventory information submitted by personnel from East Tennessee Mechanical Contractors (formerly known as Johnson Controls). Personnel from US West reported no usage or storage of hazardous chemicals or extremely hazardous substances that would require inventory reporting for CY 1997.

If you have any questions, please contact R. A. Evans at 576-4774.

Very truly yours,

T. R. Butz
Y-12 Plant Manager

TRB:krl

Enclosures: As Stated

cc/encs: See Page 4

cc/encs: T. A. Bauckham, US West
J. D. Bolling
W. L. Clements
R. A. Evans
R. T. Ford
C. M. Foster, MK-Ferguson
M. Gallahar, DOE-EOC
P. J. Gross, DOE-ORO
H. S. Hackler
T. E. Hart
R. L. Johnson Jr.
M. E. Lemmings, DOE-ORO
T. McWilliams/B. Starkey, East TN Mechanical
S. M. Peterson
J. D. Rothrock/B. E. Cochran, DOE-ORO
R. L. Sampsel
L. M. Sparks, DOE-ORO
M. Vestal, TDEC
Y-12 Records Services (1)/DOE-OSTI (2)
Y-12 Plant Shift Superintendent
EC Document Control Center-RC

cc: T. R. Butz
R. Bell/J. S. Guilford
F. P. Gustavson
C. C. Hill
J. E. Powell
C. L. Stair

Enclosure 2
Letter, Butz to Jackson
Dated: February 18, 1998

LETTER TITLE:

Contract DE-AC05-84OR21400, Emergency Planning and Community Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1997

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification
Name: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #
Date Received

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical 1

Chemical Description
CAS: 000064197 Trade Secret: ☐
Chem. Name: ACETIC ACID
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS
EHS Name:

Physical and Health Hazards (check all that apply)
☒ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

Inventory
04 Max. Daily Amount (code)
04 Avg. Daily Amount (code)
365 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Location	Opt
C	4	1	9616-7 / West End Treatment Facility / Groundwater Treatment Facility	
G	4	1	UVSPF / Room 3	
K	4	1	9623 / Central Pollution Control Facility	
M	4	1	9201-5 / 2nd Floor / Arc Melt; 9202 / 1st Floor / Room 178	
M	4	1	9203 / 1st floor / Room 50; 9204-2E / 3rd Floor / Room 316	
M	4	1	9204-3 / 1st Floor / Room 109; 9206 / 1st Floor	☐

Chemical 2

Chemical Description
CAS: 000064197 Trade Secret: ☐
Chem. Name: ACETIC ACID (cont'd)
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS
EHS Name:

Physical and Health Hazards (check all that apply)
☒ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

Inventory
04 Max. Daily Amount (code)
04 Avg. Daily Amount (code)
365 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Location	Opt
M	4	1	9210 / 2nd floor / 221; 9212 / Room 1014; 9401-2 / Surface Coating	
M	4	1	9616-7 / Laboratory; 9624 / WETF Lab.; 9731 / 1st Floor; 9818; 9995	
N	4	1	9417-8; 9739; 9769	
R	4	1	9204-1 / 1st Floor / Room 112; 9720-2; 9720-8	
				☐

Chemical 3

Chemical Description
CAS: 000074862 Trade Secret: ☐
Chem. Name: ACETYLENE
Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS
EHS Name:

Physical and Health Hazards (check all that apply)
☒ Fire
☒ Sudden Release of Pressure
☒ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

Inventory
04 Max. Daily Amount (code)
03 Avg. Daily Amount (code)
365 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Location	Opt
L	4	2	2005; 9201-1 / General Shops; 9201-2 / 1st Floor; 9201-3; 9204-3; 9206	
L	4	2	9208; 9212; 9215; 9709; 9712; 9714 / TSD Garage; 9720-6	
L	4	2	9738 / Foundry; 9808 / Refrigeration Shop	
				☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification
Name: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007440-37-1 ☐ Trade Secret Chem. Name: ARGON (cont'd) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	Max. Daily Amount (code): 05 Avg. Daily Amount (code): 05 No. of Days On-Site (days): 365	L42 L42 L42 L42	9616-7 / West End Treatment Facility; 9624 / Maintenance Shop 9709 / Weld Test Shop; 9720-13; 9720-58 / Waste oil/Solvent Storage 9720-6 / Metal Fab Shops; 9723-25 / 1st Floor / Maintenance shop; 9731 9769; 9995; Union Valley Facility	☐
CAS 007440-41-7 ☐ Trade Secret Chem. Name: BERYLLIUM & COMPOUNDS, AS BE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code): 04 Avg. Daily Amount (code): 04 No. of Days On-Site (days): 365	D41 J41 K41 N41 R41	9201-5 / 1st Floor / Annex 9203A / 1st Floor 9202 / 2nd Floor / Room 216 9203A / 1st Floor 9203A / 1st Floor / Room 102A	☐
CAS 001306-19-0 ☐ Trade Secret Chem. Name: CADMIUM OXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☒ EHS EHS Name: CADMIUM OXIDE	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code): 02 Avg. Daily Amount (code): 02 No. of Days On-Site (days): 365	M41 N41 R41	9204-3 / 1st Floor; 9995 9204-3 / 2nd Floor; 9401-2 9995	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY — ID #: Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 00131765-3 ☐ Trade Secret Chem. Name: CALCIUM CARBONATE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E 41 F 41 F 41 J 41 M 41 N 41	9404-5; 9831 1501-2; 9201-3; 9204-2; 9204-2E; 9206; 9401-3; 9420; 9623; 9624 9720-15; 9720-6; 9723-25; 9831; 9983-BK; 9995 9204-2E; 9401-3; 9404-20; 9720-50; 9720-8; 9723-25 9203 / 1st floor; 9995; UVSPF 9202; 9203; 9995	☐
CAS 00131765-3 ☐ Trade Secret Chem. Name: CALCIUM CARBONATE (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 41	9616-11; 9714; 9720-13	☐
CAS 01004352-4 ☐ Trade Secret Chem. Name: CALCIUM CHLORIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 41 E 41 E 41 F 41 J 41 K 41	9712 9201-1; 9201-4; 9201-5; 9204-3 / 1st Floor / Room 101 9204-3 / 1st Floor / Room 109; 9738 / Foundry 9404-20 9219 / Grounds and Roads Work Area; 9831 2009	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 010043-52-4 ☐ Trade Secret Chem. Name: CALCIUM CHLORIDE (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	M41 9202; 9769 / 3rd Floor / Room 308 N41 9203; 9219 / Grounds and Roads Work Area; 9995; Union Valley Facility R41 9720-50	☐
CAS 001305-62-0 ☐ Trade Secret Chem. Name: CALCIUM HYDROXIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	A41 9616-7 / West End Treatment Facility D41 9983-AL F41 9201-2; 9720-50 H41 9616-9; 9623 J41 9616-7 / West End Treatment Facility M41 9204-2 / 2nd Floor / ETA/DAP Area; Union Valley Facility	☐
CAS 001305-62-0 ☐ Trade Secret Chem. Name: CALCIUM HYDROXIDE (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	N41 9202; 9624 / WETF Lab.; 9995	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007440440 ☐ Trade Secret Chem. Name: CARBON (GRAPHITE, SYNTHETIC) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C41 D41 E41 F41 I41 J41	9616-7 / Groundwater Treatment Facility 9204-2; 9206; 9404-9; 9720-19A; 9720-27; 9998 / H-1 Foundry 9201-5; 9201-5N; 9204-2E 9201-5; 9206; 9212; 9215; 9404-9; 9720-5 9422 9616-7 / West Tank Farm	☐
CAS 007440440 ☐ Trade Secret Chem. Name: CARBON (GRAPHITE, SYNTHETIC) (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	K41 R41	9201-1; 9422 9720-1; 9720-8	☐
CAS 000124389 ☐ Trade Secret Chem. Name: CARBON DIOXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☐ 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)	A42 L42 P42	9710-2 / Outside Tank 1405; 2005; 9204-2E / 2nd Floor; 9709; 9769; 9995 / Basement Floor 9710-2 / Outside Tanker	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical 1

CAS: 0 0 7 7 8 2 5 0 5 ☐ Trade Secret
Chem. Name: CHLORINE

Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☒ EHS

EHS Name: CHLORINE

Physical and Health Hazards (check all that apply)
- ☐ Fire
- ☒ Sudden Release of Pressure
- ☒ Reactivity
- ☒ Immediate (acute)
- ☐ Delayed (chronic)

Inventory
- 0 3 Max. Daily Amount (code)
- 0 3 Avg. Daily Amount (code)
- 3 6 5 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential)

Container Type	Temp	Press	Storage Locations
L	4	2	1404-2; 1405; 9204-1; 9737

Opt: ☐

Chemical 2

CAS: 0 6 1 7 9 0 5 3 2 ☐ Trade Secret
Chem. Name: DIATOMACEOUS EARTH

Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS

EHS Name:

Physical and Health Hazards (check all that apply)
- ☐ Fire
- ☐ Sudden Release of Pressure
- ☐ Reactivity
- ☒ Immediate (acute)
- ☒ Delayed (chronic)

Inventory
- 0 4 Max. Daily Amount (code)
- 0 4 Avg. Daily Amount (code)
- 3 6 5 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential)

Container Type	Temp	Press	Storage Locations
E	4	1	9206
F	4	1	9201-5; 9204-2
J	4	1	2005; 9201-1 / Oil House; 9202; 9212 / B-1 Wing; 9212 / C-1 Wing
J	4	1	9212 / E Wing; 9212 / Reduction; 9616-9; 9720-2
M	4	1	9207
N	4	1	9201-1 / 1st Floor / Oil Room

Opt: ☐

Chemical 3

CAS: ☐ Trade Secret
Chem. Name: DIESEL FUEL NO. 2

Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

EHS Name:

Physical and Health Hazards (check all that apply)
- ☒ Fire
- ☐ Sudden Release of Pressure
- ☐ Reactivity
- ☒ Immediate (acute)
- ☒ Delayed (chronic)

Inventory
- 0 5 Max. Daily Amount (code)
- 0 4 Avg. Daily Amount (code)
- 3 6 5 No. of Days On-Site (days)

Storage Codes and Locations (Non-Confidential)

Container Type	Temp	Press	Storage Locations
A	4	1	1404-1; 1404-5; 2005; 9712
B	4	1	9714 / TSD Garage; 9754-3
D	4	1	9401-1
F	4	1	2001; 9720-50
N	4	1	9401-1
P	4	1	2005; 9712 / Tanker Truck

Opt: ☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
- ☐ 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

Revised June 1990

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification

Name: Oak Ridge Y-12 Plant

Street: Bear Creek Road

City: Oak Ridge County: Anderson State: TN Zip: 37831

SIC Code: 3499 Dun & Bradstreet Number: ___-___-___

FOR OFFICIAL USE ONLY — ID #: ____ Date Received: ____

Owner/Operator Name

Name: U.S. Department of Energy Phone: (423) 576-9850

Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact

Name: Plant Shift Superintendent Title: ____

Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172

Name: DOE Emergency Response Center Title: ____

Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 010028225 ☐ Trade Secret Chem. Name: FERRIC SULFATE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C 4 1 — 9616-7 / West End Treatment Facility; 9623 / CPCF - Laboratory E 4 1 — 9201-4 / 1st Floor M 4 1 — 9202 N 4 1 — 9624; 9731 / 2nd Floor	☐
CAS 000076131 ☐ Trade Secret Chem. Name: FREON 113 Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C 4 1 — 9215 D 4 1 — 9201-2; 9201-5; 9206 / West Dock; 9212 / E Wing; 9720-2 F 4 1 — 9201-1; 9202; 9204-3 / Basement / Room 11; 9709; 9720-2 F 4 2 — 9712 M 4 1 — 9202; 9207 / 5th Floor; 9207 / 4th Floor; 9769 / 3rd Floor M 4 1 — 9995 / Basement Floor; 9995 / 1st Floor	☐
CAS 000076131 ☐ Trade Secret Chem. Name: FREON 113 (cont'd) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 4 2 — 9204-1 / 1st Floor / Red Shop N 4 1 — 9103 / 1st Floor; 9203	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments

☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499
Dun & Brad Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #
Date Received

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures / Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 000075718 ☐ Trade Secret Chem. Name: FREON 12 Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 4 2 — 9201-1; 9201-3; 9201-5N; 9204-1 / Dock 119; 9204-2E; 9204-4; 9712 L 4 2 — 9714 / TSD Garage; 9737; 9808 / Refrigeration Shop; 9959; 9981	☐
CAS 000075456 ☐ Trade Secret Chem. Name: FREON 22 Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 4 2 — 9203; 9737 L 4 2 — 9201-3; 9208; 9420; 9720-8; 9737; 9808 / Refrigeration Shop; 9959	☐
CAS 000075694 ☐ Trade Secret Chem. Name: FREON(R) 11 Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 — 9201-5E; 9720-2 / Bay 40 Oil storage F 4 1 — 9203 / 1st floor / Room 45 - TEM Lab	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499
Dun & Brad Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS: ____ Trade Secret ☐ Chem. Name: GASOLINE, UNLEADED Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ 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)	Con Type / Type / Press A 4 1 — 2005; 9201-5; 9204-4; 9712 B 4 1 — 9714 / Underground Tank; 9754-3 / Underground Tank D 4 1 — 9401-1; 9720-13 F 4 1 — 9201-1; 9201-2 / Storage Shed; 9204-1; 9206; 9219; 9404-20; 9404-5 F 4 1 — 9714; 9720-41; 9720-6; 9808; 9828-6; 9983; Sanitary Landfill #6 F 4 1 — West Tank Farm	☐
CAS: ____ Trade Secret ☐ Chem. Name: GASOLINE, UNLEADED (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ 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)	P 4 1 — 2005; 9712	☐
CAS: 007440597 Trade Secret ☐ Chem. Name: HELIUM Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☒ Gas ☐ EHS EHS Name:	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 4 2 — 9201-1; 9201-2; 9201-3; 9201-5N; 9202; 9203; 9204-1 / Dock 119 L 4 2 — 9204-2 / Maintenance; 9204-2E; 9206; 9404-1; 9616-7; 9709; 9720-13 L 4 2 — 9720-6; 9723-25; 9769; 9959; 9995; 9998 Q 4 2 — 9977-1 / Gas Storage	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures / Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007647-01-0 ☐ Trade Secret Chem. Name: HYDROCHLORIC ACID Check all that apply: Pure [X] Mix [X] Solid [ ] Liquid [X] Gas [ ] EHS [X] EHS Name: HYDROCHLORIC 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 4 1 — 9204-2 / Tank D 4 1 — 9201-5 E 4 1 — 9201-4 F 4 1 — 9404-5 M 4 1 — 1405; 9201-5; 9202; 9203; 9204-2E / 3rd Floor; 9204-3 M 4 1 — 9206 / 2nd Floor / Room 100E; 9207; 9212 / E Wing / Room 1021	☐
CAS 007647-01-0 ☐ Trade Secret Chem. Name: HYDROCHLORIC ACID (cont'd) Check all that apply: Pure [X] Mix [X] Solid [ ] Liquid [X] Gas [ ] EHS [X] EHS Name: HYDROCHLORIC 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 4 1 — 9401-3 / 1st Floor; 9616-7 / Laboratory; 9720-2; 9731 M 4 1 — 9737 / 1st Floor / Room 9; 9769; 9995; Union Valley Facility	☐
CAS 007664-39-3 ☐ Trade Secret Chem. Name: HYDROGEN FLUORIDE Check all that apply: Pure [X] Mix [X] Solid [ ] Liquid [X] Gas [X] EHS [X] EHS Name: HYDROGEN FLUORIDE	☐ Fire [X] 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)	L 4 1 — 9720-40 M 4 1 — 9201-5N; 9204-3; 9204-4; 9212 / E Wing / Room 1021; 9720-2 N 4 1 — 9202; 9204-2E / 3rd Floor; 9204-3; 9995; Union Valley Facility	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description

CAS 000772-84-1 — Trade Secret ☐
Chem. Name: HYDROGEN PEROXIDE
Check all that apply: Pure ☒ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☒
EHS Name: HYDROGEN PEROXIDE

Physical and Health Hazards (check all that apply)
☐ Fire
☐ Sudden Release of Pressure
☒ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

Inventory
Max. Daily Amount (code): 03
Avg. Daily Amount (code): 03
No. of Days On-Site (days): 365

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Locations
E	4	1	9616-7 / West End Treatment Facility / Groundwater Treatment Facility
E	4	1	9811-1 / OIL DIKE 7 (OD7) / WTSD-WSA
E	4	1	9811-1 / OIL DIKE 8 (OD8) / WTSD-WSA
M	4	1	9995
N	4	1	9202; 9203; 9204-3; 9206; 9624; 9995; UVSPF
R	4	1	9119; 9706-2; 9720-8; 9995

Opt ☐

CAS 000067-63-0 — Trade Secret ☐
Chem. Name: ISOPROPYL ALCOHOL
Check all that apply: Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☐ EHS ☐
EHS Name:

Physical and Health Hazards (check all that apply)
☒ Fire
☐ Sudden Release of Pressure
☒ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

Inventory
Max. Daily Amount (code): 04
Avg. Daily Amount (code): 04
No. of Days On-Site (days): 365

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Locations
F	4	1	9201-1; 9201-5; 9201-5N; 9204-2; 9204-2E / 3rd Floor / Room 309; 9208
F	4	1	9720-8
M	4	1	9103; 9202; 9206; 9616-7 / Laboratory; 9720-2; 9720-8; 9737
N	4	1	9204-2E / 3rd Floor / Room 311; 9207; 9212 / B-1 Wing; 9212 / E Wing
N	4	1	9401-1; 9720-2; 9723-25; 9737; 9738; Union Valley Facility

Opt ☐

CAS 007447-41-8 — Trade Secret ☐
Chem. Name: LITHIUM CHLORIDE
Check all that apply: Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS ☐
EHS Name:

Physical and Health Hazards (check all that apply)
☐ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

Inventory
Max. Daily Amount (code): 04
Avg. Daily Amount (code): 04
No. of Days On-Site (days): 365

Storage Codes and Locations (Non-Confidential) — *Storage Locations*

Container Type	Temp	Press	Storage Locations
D	4	1	9204-2
E	4	1	1405; 2002; 9202; 9204-2E; 9204-4; 9720-2
M	4	1	9204-2

Opt ☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cntype / Ttemp / Press — Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 0135871 61 ☐ Trade Secret Chem. Name: LITHIUM DEUTERIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☒ 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)	D41 9201-5; 9204-2; 9720-46	☐
CAS 0075807 68 ☐ Trade Secret Chem. Name: LITHIUM HYDRIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☒ EHS EHS Name: LITHIUM HYDRIDE	☒ 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)	D41 9201-5; 9204-2; 9720-46 F41 9202; 9731	☐
CAS 0013102 65 ☐ Trade Secret Chem. Name: LITHIUM HYDROXIDE Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	A41 9204-2; West Tank Farm D41 9204-2	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 001317711 ☐ Trade Secret Chem. Name: MAGNESIUM IRON SILICATE Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J41 9720-2; 9720-50; 9831 R41 9720-15; 9738	☐
CAS 001309484 ☐ Trade Secret Chem. Name: MAGNESIUM OXIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D41 9204-2; 9404-2 M41 9204-3 N41 9202; 9203; 9204-3	☐
CAS 007439976 ☐ Trade Secret Chem. Name: MERCURY METAL Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M41 9202; 9203; 9710-2; 9720-26 N41 9201-2; 9208; 9720-8; 9737 / 2nd Floor R41 9212 / E Wing	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification
Name: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures / Storage Codes and Locations (Non-Confidential) – Storage Locations	Opt
CAS 000067-56-1 Trade Secret ☐ Chem. Name: METHANOL Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 9720-2; 9767-13; 9767-4 F 4 1 9201-1; 9201-3; 9201-5; 9201-5E; 9204-2; 9204-2E; 9204-4; 9212; 9215 F 4 1 9404-16; 9723-25; 9738 F 4 2 9201-5N; 9212; 9215 M 4 1 9201-5; 9202; 9203; 9204-2; 9204-4; 9207; 9215; 9720-2; 9737; 9769 M 4 1 9995; Union Valley Facility	☐
CAS 000067-56-1 Trade Secret ☐ Chem. Name: METHANOL (cont'd) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 4 1 9201-5E; 9208; 9401-3; 9720-2; 9723-25 N 4 2 9723-25 R 4 1 9720-2	☐
CAS 007440-02-0 Trade Secret ☐ Chem. Name: NICKEL AND NICKEL COMPOUNDS Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 9204-4 / 2nd Floor / Plating Shop; 9720-8 F 4 1 9201-1; 9201-3; 9203; 9208 J 4 1 9204-4 / 2nd Floor / Plating Shop; 9720-2; 9720-50; 9831 K 4 1 9212; 9401-3; 9624 M 4 1 9203; 9204-3; 9995; UVSPF N 4 1 9203; 9204-3; 9204-4 / 2nd Floor / Plating Shop; 9624	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cntr Type	Trmp	Press	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007440020 ☐ Trade Secret Chem. Name: NICKEL AND NICKEL COMPOUNDS (cont'd) Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R	4	1	9201-5; 9204-3; 9212; 9720-2; 9720-8	☐
CAS 007440031 ☐ Trade Secret Chem. Name: NIOBIUM METAL Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D F K L M N	4 4 4 4 4 4	1 1 1 1 1 1	9202 9202 9202; 9401-3 9831 9202; 9203; 9204-3; 9995; UVSPF 9202; 9203	☐
CAS 007440031 ☐ Trade Secret Chem. Name: NIOBIUM METAL (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R	4	1	9201-1; 9202; 9401-3; 9703-15; 9720-6; 9723-25; 9737; 9831; 9995	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification
Name: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures / Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007697-37-2 Trade Secret ☐ Chem. Name: NITRIC ACID Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name: NITRIC ACID	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A41 9206; 9815 C41 9206 / 2nd Floor / Room 100E; 9212 / B-1 Wing / Penthouse D41 9204-3 / 2nd Floor M41 9201-5 / 2nd Floor; 9201-5N / 1st Floor / Plating Shop; 9202; 9203 M41 9204-2E / 3rd Floor / Room 316; 9204-3 / 1st Floor M41 9204-4 / 2nd Floor / Plating Shop; 9207 / 1st Floor / Room 7-1006	☐
CAS 007697-37-2 Trade Secret ☐ Chem. Name: NITRIC ACID (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name: NITRIC ACID	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M41 9212 / E Wing / Room 1021; 9401-2 / Plating Shop / Annex; 9616-7; 9731 M41 9769; 9995; Union Valley Facility N41 9769; 9995	☐
CAS 007727-37-9 Trade Secret ☐ Chem. Name: NITROGEN Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☐ 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)	A72 9977-1 L42 9201-2 / Weld Shops; 9201-3; 9204-2E; 9401-1; 9401-5; 9420; 9735; 9737 L42 9738; 9769; 9808; 9995 L72 9204-3; 9206; 9212	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form.

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cntr Type / Temp / Press — Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007782-44-7 ☐ Trade Secret Chem. Name: OXYGEN Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☒ 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)	A 72 9723-25; 9738 / Foundry; 9977-1 L 42 2002; 2005; 9201-2; 9204-2 / Maintenance; 9204-2E / 2nd Floor L 42 9215 / M Wing; 9420; 9709 / Weld Test Shop; 9720-6; 9738 / Foundry L 42 9769; 9808; 9995 / Basement Floor	☐
CAS ☐ Trade Secret ☐ Chem. Name: PETROLEUM OIL Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 41 9201-3; 9204-2 / PV Room D 41 2005; 9201-1; 9201-5; 9201-5E; 9201-5N; 9201-5W; 9204-2; 9204-2E D 41 9204-4; 9206; 9208; 9211; 9212 / A Wing; 9212 / E Wing D 41 9215 / Basement; 9215 / M Wing; 9401-2; 9709; 9712; 9714 / TSD Garage D 41 9720-2; 9727-4; 9767-1; 9767-11; 9767-13; 9767-3; 9808; 9998 E 41 9714 / TSD Garage; 9720-2; 9977-1	☐
CAS ☐ Trade Secret ☐ Chem. Name: PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 41 2002; 2005; 9201-1; 9201-3; 9201-5; 9204-1; 9204-2; 9204-2E; 9204-4 F 41 9207; 9208; 9212 / A Wing; 9212 / B Wing; 9212 / E Wing; 9404-16 F 41 9404-20; 9616-9; 9712; 9714 / TSD Garage; 9723-21; 9723-25; 9737; 9998 F 42 9401-1; 9404-1 M 41 9201-1; 9201-3; 9206; 9737 N 41 2002; 2005; 9201-3; 9201-5E; 9201-5N; 9204-2; 9212 / E Wing; 9215A	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS: Trade Secret ☐ Chem. Name: PETROLEUM OIL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N41 R41 R42	9401-1; 9401-3; 9624; 9714 / TSD Garage; 9808 9201-3; 9767-13; 9998 9404-1	☐
CAS 007664382 Trade Secret ☐ Chem. Name: PHOSPHORIC ACID Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E41 E41 G41 M41 N41	9409-10; 9409-13; 9409-15; 9409-17; 9409-18; 9409-22; 9409-23; 9409-26 9409-29; 9409-32; 9720-2 9201-5N 9201-5 9201-5N; 9401-2	☐
CAS 065997151 Trade Secret ☐ Chem. Name: PORTLAND CEMENT Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F41 J41 K41 R41 R41	9420; 9831; 9995 9401-3; 9404-20; 9420; 9720-50; 9723-25; 9831 9720-50; UVSPF 9201-3; 9201-4; 9201-5; 9204-1; 9204-4; 9215; 9404-20; 9404-8; 9624 9720-50; 9731; 9737; 9831	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cntr Type / Temp / Press — Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 000151508 ☐ Trade Secret Chem. Name: POTASSIUM CYANIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name: POTASSIUM CYANIDE	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	02 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 — 9201-5N J 4 1 — 9706-2 / 1st Floor M 4 1 — 9204-3 / 1st Floor; 9401-4 N 4 1 — 9202 R 4 1 — 9995 / 1st Floor	☐
CAS 000074988 ☐ Trade Secret Chem. Name: PROPANE Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name:	☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 4 2 — 2005; 9201-1; 9201-2; 9201-3; 9201-5; 9202; 9203; 9204-1; 9204-3; 9206 L 4 2 — 9212; 9219; 9401-1; 9401-3; 9404-5; 9404-9; 9420; 9709 L 4 2 — 9714 / TSD Garage; 9720-6; 9723-21; 9737; 9766; 9808; 9824-5; 9959 L 4 2 — 9996; 9998	☐
CAS 000057556 ☐ Trade Secret Chem. Name: PROPYLENE GLYCOL Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 — 9201-5E; 9201-5N; 9206; 9212 / A Wing; 9212 / B-1 Wing; 9215 / M Wing D 4 1 — 9401-3; 9720-2; 9767-4; 9805; 9805-1; 9998 F 4 1 — 9202 / 3rd Floor; 9712 M 4 1 — 9202 / 2nd Floor N 4 1 — 9202 / 1st Floor	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant

Street: Bear Creek Road

City: Oak Ridge County: Anderson State: TN Zip: 37831

SIC Code: 3499 Dun & Brad Number: ___-___-____

FOR OFFICIAL USE ONLY — ID #: ____ Date Received: ____

Owner/Operator Name

Name: U.S. Department of Energy Phone: (423) 576-9850

Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact

Name: Plant Shift Superintendent Title: ____

Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172

Name: DOE Emergency Response Center Title: ____

Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 014808198 ☐ Trade Secret Chem. Name: SILICA, CRYSTALLINE-QUART Z Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E41 F41 F41 F41 J41 K41	9404-5; 9720-15 1501-2; 9104-5; 9201-1; 9201-3; 9202; 9203; 9204-1; 9204-2E; 9204-3 9204-4; 9206; 9401-3; 9404-5; 9420; 9623; 9624; 9703-15; 9720-13 9720-6; 9831; 9983 9401-3; 9404-20; 9420; 9623; 9720-50; 9720-6; 9720-8; 9723-25; 9831 9712; 9720-50; 9720-52	☐
CAS 014808198 ☐ Trade Secret Chem. Name: SILICA, CRYSTALLINE-QUART Z (cont'd) Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M41 N41	9204-3; 9995 9201-1; 9202; 9203; 9204-3; 9206; 9401-3; 9712; 9995	☐
CAS 007631905 ☐ Trade Secret Chem. Name: SODIUM BISULFITE Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	A41 E41 M41	9417-8; 9417-9 9767-8 9202 / 2nd Floor / Room 215	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative ____ Signature ____ Date signed ____

Optional Attachments

☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Types / Pressures	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 000497198 ☐ Trade Secret Chem. Name: SODIUM CARBONATE MONOHYD RATE Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 41 E 41 F 41 J 41 M 41 N 41	9818 9206; 9215; 9818 9104-5; 9202; 9420; 9815 9206 9202; 9204-3; 9211; 9623; 9769; 9995; UVSPF 9202; 9203; 9204-3; 9210; 9211; 9624; 9737; 9995; UVSPF	☐
CAS 000497198 ☐ Trade Secret Chem. Name: SODIUM CARBONATE MONOHYD RATE (cont'd) Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R 41	9204-4; 9215; 9720-2; 9739; 9995; UVSPF	☐
CAS 007647145 ☐ Trade Secret Chem. Name: SODIUM CHLORIDE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ 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)	B 41 H 41 J 41 K 41 N 41	9401-3 9993 2007 2010 9769; 9995; Union Valley Facility	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification
Name: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3 4 9 9 Dun & Brad Number:

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cntype / Temp / Press	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 0 0 1 3 1 0 7 3 2 ☐ Trade Secret Chem. Name: SODIUM HYDROXIDE Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	0 5 Max. Daily Amount (code) 0 5 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	A 4 1 C 4 1 D 4 1 E 4 1 F 4 1 J 4 1	1404-2; 1405; 9204-2 9404-18; 9616-7 9201-2; 9201-5N; 9204-4; 9206; 9401-2; 9805 9206; 9401-2 West Tank Farm 9401-3; 9720-2	☐
CAS 0 0 1 3 1 0 7 3 2 ☐ Trade Secret Chem. Name: SODIUM HYDROXIDE (cont'd) Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	0 5 Max. Daily Amount (code) 0 5 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	K 4 1 M 4 1 N 4 1 N 4 1	9720-13 9206; 9212; 9805 9104-3; 9109; 9115; 9116; 9119; 9201-1; 9201-2; 9201-3; 9201-5; 9204-2 9204-2E; 9204-3; 9207; 9401-3; 9616-7; 9769; 9818; 9995	☐
CAS 0 0 7 6 8 1 5 2 9 ☐ Trade Secret Chem. Name: SODIUM HYPOCHLORITE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	0 4 Max. Daily Amount (code) 0 4 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	E 4 1 E 4 1 E 4 1 N 4 1 R 4 1	9409-10; 9409-12; 9409-13; 9409-15; 9409-17; 9409-18; 9409-19; 9409-2 9409-20; 9409-22; 9409-22E; 9409-23; 9409-24; 9409-26; 9409-29 9409-32; 9409-34; 9720-2 9202; 9731; 9769; 9995; 9998; Union Valley Facility 9201-5N; 9204-4	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Brad Number:

FOR OFFICIAL USE ONLY — ID #: Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Cnty Type	Temp	Press	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 0068349 2 0 Trade Secret ☐ Chem. Name SODIUM METASILICATE, ANHYDROUS Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	C	4	1	9401-2 / Plating Shop	☐
			F	4	1	9204-4; 9714; 9720-13	
			I	4	1	9401-2 / Plating Shop; 9623; 9720-2	
			N	4	1	9219; 9401-1; 9995; UVSPF	
			R	4	1	9201-1; 9201-4; 9210; 9215; 9404-20; 9709; 9995	
CAS 08502975 0 Trade Secret ☐ Chem. Name SODIUM ZINC POLYPHOSPHATE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	J	4	1	1405	☐
CAS 0076649 3 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 ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A	4	1	9201-5 / Outside Tank; 9401-3 / Main Utilities Area (Boilers etc.)	☐
			C	4	1	9401-3; 9404-18; 9616-7 / West End Treatment Facility; 9616-9	
			E	4	1	9401-2 / Plating Shop / Annex; 9409-10; 9409-13; 9409-15; 9409-18	
			E	4	1	9409-2; 9409-22; 9409-23; 9409-26; 9409-29; 9409-32; 9409-4; 9720-2	
			M	4	1	1405; 9201-2; 9201-5N / 1st Floor / Room 133; 9204-2	
			M	4	1	9204-2E / 3rd Floor; 9204-4 / 2nd Floor; 9206 / 2nd Floor / Room 100E	

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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

Revised June 1990

Form Approved OMB No. 2050-0072

Tier Two
Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Identification

Name: Oak Ridge Y-12 Plant

Street: Bear Creek Road

City: Oak Ridge County: Anderson State: TN Zip: 37831

SIC Code: 3499 Dun & Brad Number: ___-___-____

FOR OFFICIAL USE ONLY — ID #: ____ Date Received: ____

Owner/Operator Name

Name: U.S. Department of Energy Phone: (423) 576-9850

Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact

Name: Plant Shift Superintendent Title: ____

Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172

Name: DOE Emergency Response Center Title: ____

Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997.

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 007664939 ☐ Trade Secret Chem. Name: SULFURIC ACID (cont'd) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name: SULFURIC ACID	☐ 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)	M41 9207; 9212 / B-1 Wing; 9401-2 / Plating Shop / Annex M41 9623 / CPCF - Laboratory; 9735; 9737; 9769 / 2nd Floor M41 9769 / 3rd Floor; 9995 / 1st Floor; Union Valley Facility N41 9201-5; 9616-7 / Laboratory	☐
CAS 007440611 ☐ Trade Secret Chem. Name: URANIUM AND URANIUM COMPO UNDS Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	R41 9119; 9201-2; 9201-4; 9201-5; 9201-5N; 9202; 9203; 9204-1; 9204-2 R41 9204-2E; 9204-3; 9204-4; 9206; 9207; 9212; 9215; 9401-4; 9401-5 R41 9710-2; 9711-1; 9720-1; 9720-12; 9720-18; 9720-3; 9720-5; 9735; 9769 R41 9825A; 9980; 9983-17; 9995; 9998	☐
CAS 000057136 ☐ Trade Secret Chem. Name: UREA Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	E41 9206 / West Dock; 9219; 9983-AL F41 9404-20; 9720-13 J41 9720-13; 9720-2; 9769 K41 West Tank Farm M41 9202 N41 9204-3; 9616-7 / Laboratory; 9995; Union Valley Facility	☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments

☐ 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: Oak Ridge Y-12 Plant
Street: Bear Creek Road
City: Oak Ridge County: Anderson State: TN Zip: 37831
SIC Code: 3499 Dun & Bradstreet Number: ___-___-____

FOR OFFICIAL USE ONLY
ID #:
Date Received:

Owner/Operator Name
Name: U.S. Department of Energy Phone: (423) 576-9850
Mail Address: P.O. Box 2001, Oak Ridge, TN 37831

Emergency Contact
Name: Plant Shift Superintendent Title:
Phone: (423) 574-7172 24 Hr. Phone: (423) 574-7172
Name: DOE Emergency Response Center Title:
Phone: (423) 576-1005 24 Hr. Phone: (423) 576-1005

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) — Storage Locations	Opt
CAS 000057136 ☐ Trade Secret Chem. Name: UREA (cont'd) Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	Container Type: R41 Pressure: 9720-50	☐
CAS ☐ Trade Secret ☐ Chem. Name: Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	☐☐ Max. Daily Amount (code) ☐☐ Avg. Daily Amount (code) ☐☐☐ No. of Days On-Site (days)		☐
CAS ☐ Trade Secret ☐ Chem. Name: Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name:	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	☐☐ Max. Daily Amount (code) ☐☐ Avg. Daily Amount (code) ☐☐☐ No. of Days On-Site (days)		☐

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 26, 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.

Name and official title of owner/operator OR owner/operator's authorized representative | Signature | Date signed

Optional Attachments
☐ 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