Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

RECEIVED

R. A. Evans

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

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

UCN-13872 (28 6-95)

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

R. A. Evans

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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**

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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

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MASTER

Mr. J. D. Jackson, DOE-ORO

Page 2

February 18, 1998

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.

Mr. J. D. Jackson, DOE-ORO

Page 3

February 18, 1998

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

Mr. J. D. Jackson, DOE-ORO

Page 4

February 18, 1998

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**

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Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3</u> <u>4</u> <u>9</u> <u>9</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u> <u> </u>				Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	<div style="display: flex; justify-content: space-between;"> <div style="width:45%;"> FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u> </div> <div style="width:50%;"> Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u> </div> </div>					

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	C n T y p e P r e s s	Storage Codes and Locations (Non-Confidential) Storage Locations	O P T
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>6</u> <u>4</u> <u>1</u> <u>9</u> <u>7</u> Trade Secret ☐ Chem. Name <u>ACETIC ACID</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<u>C</u> <u>4</u> <u>1</u> <u>G</u> <u>4</u> <u>1</u> <u>K</u> <u>4</u> <u>1</u> <u>M</u> <u>4</u> <u>1</u> <u>M</u> <u>4</u> <u>1</u> <u>M</u> <u>4</u> <u>1</u>	<u>9616-7 / West End Treatment Facility / Groundwater Treatment Facility</u> <u>UVSPF / Room 3</u> <u>9623 / Central Pollution Control Facility</u> <u>9201-5 / 2nd Floor / Arc Melt; 9202 / 1st Floor / Room 178</u> <u>9203 / 1st floor / Room 50; 9204-2E / 3rd Floor / Room 316</u> <u>9204-3 / 1st Floor / Room 109; 9206 / 1st Floor</u>	☐
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>6</u> <u>4</u> <u>1</u> <u>9</u> <u>7</u> Trade Secret ☐ Chem. Name <u>ACETIC ACID (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<u>M</u> <u>4</u> <u>1</u> <u>M</u> <u>4</u> <u>1</u> <u>N</u> <u>4</u> <u>1</u> <u>R</u> <u>4</u> <u>1</u>	<u>9210 / 2nd floor / 221; 9212 / Room 1014; 9401-2 / Surface Coating</u> <u>9616-7 / Laboratory; 9624 / WETF Lab.; 9731 / 1st Floor; 9818; 9995</u> <u>9417-8; 9739; 9769</u> <u>9204-1 / 1st Floor / Room 112; 9720-2; 9720-8</u>	☐
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>7</u> <u>4</u> <u>8</u> <u>6</u> <u>2</u> Trade Secret ☐ Chem. Name <u>ACETYLENE</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>3</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<u>L</u> <u>4</u> <u>2</u> <u>L</u> <u>4</u> <u>2</u> <u>L</u> <u>4</u> <u>2</u>	<u>2005; 9201-1 / General Shops; 9201-2 / 1st Floor; 9201-3; 9204-3; 9206</u> <u>9208; 9212; 9215; 9709; 9712; 9714 / TSD Garage; 9720-6</u> <u>9738 / Foundry; 9808 / Refrigeration Shop</u>	☐

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.

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

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

Signature

Date signed

Tier Two Emergency and Hazardous Chemical Inventory	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576-9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
Specific Information by Chemical	SIC Code 3499 Dun & Brad Number		Name Plant Shift Superintendent Title	
	FOR OFFICIAL USE ONLY ID #		Phone (423) 574-7172 24 Hr. Phone (423) 574-7172	
	Date Received		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	C n t y p e s P r e s s u r e s S t o r a g e C o d e s a n d L o c a t i o n s (Non-Confidential) Storage Locations	O p t
CAS 007440371 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)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L42 9616-7 / West End Treatment Facility; 9624 / Maintenance Shop L42 9709 / Weld Test Shop; 9720-13; 9720-58 / Waste oil/Solvent Storage L42 9720-6 / Metal Fab Shops; 9723-25 / 1st Floor / Maintenance shop; 9731 L42 9769; 9995; Union Valley Facility	☐
CAS 007440417 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D41 9201-5 / 1st Floor / Annex J41 9203A / 1st Floor K41 9202 / 2nd Floor / Room 216 N41 9203A / 1st Floor R41 9203A / 1st Floor / Room 102A	☐
CAS 001306190 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)	02 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M41 9204-3 / 1st Floor; 9995 N41 9204-3 / 2nd Floor; 9401-2 R41 9995	☐

Certification (Read and sign after completing all sections)		Optional Attachments
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.		☐ I have attached a site plan
Name and official title of owner/operator OR owner/operator's authorized representative		☐ I have attached a list of site coordinate abbreviations
Signature	Date signed	☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

Tier Two <small>Emergency and Hazardous Chemical Inventory</small>	Facility Identification Name <u>Oak Ridge Y-12 Plant</u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>	Emergency Contact Name <u>Plant Shift Superintendent</u> Title _____ Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title _____ Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>		
<small>Specific Information by Chemical</small>	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>			
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>			

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards <small>(check all that apply)</small>	Inventory	Storage Codes and Locations (Non-Confidential) <small>Storage Locations</small>	O P T																								
CAS <u>001317</u> <u>653</u> Trade Secret ☐ Chem. Name <u>CALCIUM CARBONATE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	☐ ☐ 4 Max. Daily Amount (code) ☐ ☐ 4 Avg. Daily Amount (code) ☐ ☐ 6 ☐ 5 No. of Days On-Site (days)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>E</td><td>4</td><td>1</td><td>9404-5; 9831</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>1501-2; 9201-3; 9204-2; 9204-2E; 9206; 9401-3; 9420; 9623; 9624</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9720-15; 9720-6; 9723-25; 9831; 9983-BK; 9995</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>9204-2E; 9401-3; 9404-20; 9720-50; 9720-8; 9723-25</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9203 / 1st floor; 9995; UVSPF</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9202; 9203; 9995</td></tr> </table>	E	4	1	9404-5; 9831	F	4	1	1501-2; 9201-3; 9204-2; 9204-2E; 9206; 9401-3; 9420; 9623; 9624	F	4	1	9720-15; 9720-6; 9723-25; 9831; 9983-BK; 9995	J	4	1	9204-2E; 9401-3; 9404-20; 9720-50; 9720-8; 9723-25	M	4	1	9203 / 1st floor; 9995; UVSPF	N	4	1	9202; 9203; 9995	☐
E	4	1	9404-5; 9831																									
F	4	1	1501-2; 9201-3; 9204-2; 9204-2E; 9206; 9401-3; 9420; 9623; 9624																									
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N	4	1	9202; 9203; 9995																									
CAS <u>001317</u> <u>653</u> Trade Secret ☐ Chem. Name <u>CALCIUM CARBONATE (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	☐ ☐ 4 Max. Daily Amount (code) ☐ ☐ 4 Avg. Daily Amount (code) ☐ ☐ 6 ☐ 5 No. of Days On-Site (days)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>R</td><td>4</td><td>1</td><td>9616-11; 9714; 9720-13</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	R	4	1	9616-11; 9714; 9720-13																					☐
R	4	1	9616-11; 9714; 9720-13																									
CAS <u>010043</u> <u>524</u> Trade Secret ☐ Chem. Name <u>CALCIUM CHLORIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	☐ ☐ 5 Max. Daily Amount (code) ☐ ☐ 5 Avg. Daily Amount (code) ☐ ☐ 6 ☐ 5 No. of Days On-Site (days)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>D</td><td>4</td><td>1</td><td>9712</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9201-1; 9201-4; 9201-5; 9204-3 / 1st Floor / Room 101</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9204-3 / 1st Floor / Room 109; 9738 / Foundry</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9404-20</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>9219 / Grounds and Roads Work Area; 9831</td></tr> <tr><td>K</td><td>4</td><td>1</td><td>2009</td></tr> </table>	D	4	1	9712	E	4	1	9201-1; 9201-4; 9201-5; 9204-3 / 1st Floor / Room 101	E	4	1	9204-3 / 1st Floor / Room 109; 9738 / Foundry	F	4	1	9404-20	J	4	1	9219 / Grounds and Roads Work Area; 9831	K	4	1	2009	☐
D	4	1	9712																									
E	4	1	9201-1; 9201-4; 9201-5; 9204-3 / 1st Floor / Room 101																									
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Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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) <i>Storage Locations</i>	Opt																		
CAS <u>010043524</u> Trade Secret ☐ Chem. Name <u>CALCIUM CHLORIDE (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ 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)	<table border="1"><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> <u>9202; 9769 / 3rd Floor / Room 308</u> <u>9203; 9219 / Grounds and Roads Work Area; 9995; Union Valley Facility</u> <u>9720-50</u> 	M	4	1	N	4	1	R	4	1										☐
M	4	1																				
N	4	1																				
R	4	1																				
CAS <u>001305620</u> Trade Secret ☐ Chem. Name <u>CALCIUM HYDROXIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ 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)	<table border="1"><tr><td>A</td><td>4</td><td>1</td></tr><tr><td>D</td><td>4</td><td>1</td></tr><tr><td>F</td><td>4</td><td>1</td></tr><tr><td>H</td><td>4</td><td>1</td></tr><tr><td>J</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr></table> <u>9616-7 / West End Treatment Facility</u> <u>9983-AL</u> <u>9201-2; 9720-50</u> <u>9616-9; 9623</u> <u>9616-7 / West End Treatment Facility</u> <u>9204-2 / 2nd Floor / ETA/DAP Area; Union Valley Facility</u> 	A	4	1	D	4	1	F	4	1	H	4	1	J	4	1	M	4	1	☐
A	4	1																				
D	4	1																				
F	4	1																				
H	4	1																				
J	4	1																				
M	4	1																				
CAS <u>001305620</u> Trade Secret ☐ Chem. Name <u>CALCIUM HYDROXIDE (cont'd)</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ 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)	<table border="1"><tr><td>N</td><td>4</td><td>1</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table> <u>9202; 9624 / WETF Lab.; 9995</u> 	N	4	1																☐
N	4	1																				

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 <u>26</u> , 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.		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
Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed

Important: Read all instructions before completing form	Reporting Period From January 1 to December 31, <u>1997</u>	☐ Check if information below is identical to the information submitted last year.
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Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed	

Tier Two Emergency and Hazardous Chemical Inventory	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576-9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
Specific Information by Chemical	SIC Code 3499 Dun & Brad Number		Name Plant Shift Superintendent Title	
	FOR OFFICIAL USE ONLY		Phone (423) 574-7172 24 Hr. Phone (423) 574-7172	
	ID # Date Received		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

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 007782505 Trade Secret Chem. NameCHLORINE Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☒ EHS EHS Name CHLORINE	☐ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L42 1404-2; 1405; 9204-1; 9737	☐
CAS 061790532 Trade Secret Chem. NameDIATOMACEOUS EARTH 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 9206 F41 9201-5; 9204-2 J41 2005; 9201-1 / Oil House; 9202; 9212 / B-1 Wing; 9212 / C-1 Wing J41 9212 / E Wing; 9212 / Reduction; 9616-9; 9720-2 M41 9207 N41 9201-1 / 1st Floor / Oil Room	☐
CAS Trade Secret Chem. NameDIESEL FUEL NO. 2 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)	A41 1404-1; 1404-5; 2005; 9712 B41 9714 / TSD Garage; 9754-3 D41 9401-1 F41 2001; 9720-50 N41 9401-1 P41 2005; 9712 / Tanker Truck	☐

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Name and official title of owner/operator OR owner/operator's authorized representative		☐ I have attached a list of site coordinate abbreviations
Signature	Date signed	☐ I have attached a description of dikes and other safeguard measures

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576-9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
	SIC Code 3499 Dun & Brad Number - -		Name Plant Shift Superintendent Title	
	FOR OFFICIAL USE ONLY ID #		Phone (423) 574-7172 24 Hr. Phone (423) 574-7172	
	Date Received		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 010028 22 5 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)	0 5 Max. Daily Amount (code) 0 4 Avg. Daily Amount (code) 3 6 5 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 000076 13 1 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)	0 4 Max. Daily Amount (code) 0 4 Avg. Daily Amount (code) 3 6 5 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 000076 13 1 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)	0 4 Max. Daily Amount (code) 0 4 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	M 4 2 9204-1 / 1st Floor / Red Shop N 4 1 9103 / 1st Floor; 9203	☐

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Name and official title of owner/operator OR owner/operator's authorized representative		☐ I have attached a list of site coordinate abbreviations
Signature	Date signed	☐ I have attached a description of dikes and other safeguard measures

Tier Two Emergency and Hazardous Chemical Inventory	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576-9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
Specific Information by Chemical	SIC Code 3499 Dun & Brad Number		Name Plant Shift Superintendent Title	
	FOR OFFICIAL USE ONLY		Phone (423) 574-7172 24 Hr. Phone (423) 574-7172	
	ID # Date Received		Name DOE Emergency Response Center Title	
		Phone (423) 576-1005 24 Hr. Phone (423) 576-1005		

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Reporting Period From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	C n T y p e P r e s s S t o r a g e C o d e s a n d L o c a t i o n s (Non-Confidential) Storage Locations	O p t i o n a l A t t a c h m e n t s																		
CAS 000075 718 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)	☐ 0 ☐ 4 Max. Daily Amount (code) ☐ 0 ☐ 4 Avg. Daily Amount (code) ☐ 3 ☐ 6 ☐ 5 No. of Days On-Site (days)	<table><tr><td>L</td><td>4</td><td>2</td></tr><tr><td>L</td><td>4</td><td>2</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> 9201-1; 9201-3; 9201-5N; 9204-1 / Dock 119; 9204-2E; 9204-4; 9712 9714 / TSD Garage; 9737; 9808 / Refrigeration Shop; 9959; 9981	L	4	2	L	4	2													☐
L	4	2																				
L	4	2																				
CAS 000075 456 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)	☐ 0 ☐ 4 Max. Daily Amount (code) ☐ 0 ☐ 4 Avg. Daily Amount (code) ☐ 3 ☐ 6 ☐ 5 No. of Days On-Site (days)	<table><tr><td>F</td><td>4</td><td>2</td></tr><tr><td>L</td><td>4</td><td>2</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> 9203; 9737 9201-3; 9208; 9420; 9720-8; 9737; 9808 / Refrigeration Shop; 9959	F	4	2	L	4	2													☐
F	4	2																				
L	4	2																				
CAS 000075 694 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)	☐ 0 ☐ 4 Max. Daily Amount (code) ☐ 0 ☐ 4 Avg. Daily Amount (code) ☐ 3 ☐ 6 ☐ 5 No. of Days On-Site (days)	<table><tr><td>D</td><td>4</td><td>1</td></tr><tr><td>F</td><td>4</td><td>1</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> 9201-5E; 9720-2 / Bay 40 Oil storage 9203 / 1st floor / Room 45 - TEM Lab	D	4	1	F	4	1													☐
D	4	1																				
F	4	1																				

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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

<div>Tier Two</div> <div>Emergency and Hazardous Chemical Inventory</div> <div>Specific Information by Chemical</div>		<div>Facility Identification</div> <div>Name Oak Ridge Y-12 Plant</div> <div>Street Bear Creek Road</div> <div>City Oak Ridge County Anderson State TN Zip 37831</div> <div>SIC Code 3499 Dun & Brad Number</div> <div>FOR OFFICIAL USE ONLY</div> <div>ID #</div> <div>Date Received</div>		<div>Owner/Operator Name</div> <div>Name U.S. Department of Energy Phone (423) 576-9850</div> <div>Mail Address P.O. Box 2001, Oak Ridge, TN 37831</div> <div>Emergency Contact</div> <div>Name Plant Shift Superintendent Title</div> <div>Phone (423) 574-7172 24 Hr. Phone (423) 574-7172</div> <div>Name DOE Emergency Response Center Title</div> <div>Phone (423) 576-1005 24 Hr. Phone (423) 576-1005</div>	
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	
<div>CAS</div> <div>Chem. NameGASOLINE, UNLEADED</div> <div>Check all that apply:</div> <div>EHS Name</div>		<div>X</div> Fire <div>X</div> Sudden Release of Pressure <div>X</div> Reactivity <div>X</div> Immediate (acute) <div>X</div> Delayed (chronic)	<div>05</div> Max. Daily Amount (code) <div>05</div> Avg. Daily Amount (code) <div>365</div> No. of Days On-Site (days)	<div>A41</div> 2005; 9201-5; 9204-4; 9712 <div>B41</div> 9714 / Underground Tank; 9754-3 / Underground Tank <div>D41</div> 9401-1; 9720-13 <div>F41</div> 9201-1; 9201-2 / Storage Shed; 9204-1; 9206; 9219; 9404-20; 9404-5 <div>F41</div> 9714; 9720-41; 9720-6; 9808; 9828-6; 9983; Sanitary Landfill #6 <div>F41</div> West Tank Farm	
<div>CAS</div> <div>Chem. NameGASOLINE, UNLEADED (cont'd)</div> <div>Check all that apply:</div> <div>EHS Name</div>		<div>X</div> Fire <div>X</div> Sudden Release of Pressure <div>X</div> Reactivity <div>X</div> Immediate (acute) <div>X</div> Delayed (chronic)	<div>05</div> Max. Daily Amount (code) <div>05</div> Avg. Daily Amount (code) <div>365</div> No. of Days On-Site (days)	<div>P41</div> 2005; 9712	
<div>CAS</div> <div>Chem. NameHELIUM</div> <div>Check all that apply:</div> <div>EHS Name</div>		<div>X</div> Fire <div>X</div> Sudden Release of Pressure <div>X</div> Reactivity <div>X</div> Immediate (acute) <div>X</div> Delayed (chronic)	<div>04</div> Max. Daily Amount (code) <div>04</div> Avg. Daily Amount (code) <div>365</div> No. of Days On-Site (days)	<div>L42</div> 9201-1; 9201-2; 9201-3; 9201-5N; 9202; 9203; 9204-1 / Dock 119 <div>L42</div> 9204-2 / Maintenance; 9204-2E; 9206; 9404-1; 9616-7; 9709; 9720-13 <div>L42</div> 9720-6; 9723-25; 9769; 9959; 9995; 9998 <div>Q42</div> 9977-1 / Gas Storage	
Certification (Read and sign after completing all sections)				Optional Attachments	
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Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Emergency Contact
	FOR OFFICIAL USE ONLY		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	ID # <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) <i>Storage Locations</i>	Opt
CAS <div><div>0</div><div>0</div><div>7</div><div>6</div><div>4</div><div>7</div><div>0</div><div>1</div><div>0</div></div> <div>Trade Secret ☐</div> <div>Chem. Name</div> <div>HYDROCHLORIC ACID</div> <div>Check all that apply: <div><div>☒ Pure</div><div>☒ Mix</div><div>☐ Solid</div><div>☒ Liquid</div><div>☐ Gas</div><div>☒ EHS</div></div></div> <div>EHS Name</div> <div>HYDROCHLORIC ACID</div>	<div>☐ Fire</div> <div>☐ Sudden Release of Pressure</div> <div>☒ Reactivity</div> <div>☒ Immediate (acute)</div> <div>☒ Delayed (chronic)</div>	<div><div>0</div><div>5</div>Max. Daily Amount (code)</div> <div><div>0</div><div>5</div>Avg. Daily Amount (code)</div> <div><div>3</div><div>6</div><div>5</div>No. of Days On-Site (days)</div>	<div><div>A</div><div>4</div><div>1</div>9204-2 / Tank</div> <div><div>D</div><div>4</div><div>1</div>9201-5</div> <div><div>E</div><div>4</div><div>1</div>9201-4</div> <div><div>F</div><div>4</div><div>1</div>9404-5</div> <div><div>M</div><div>4</div><div>1</div>1405; 9201-5; 9202; 9203; 9204-2E / 3rd Floor; 9204-3</div> <div><div>M</div><div>4</div><div>1</div>9206 / 2nd Floor / Room 100E; 9207; 9212 / E Wing / Room 1021</div>	<div></div>
CAS <div><div>0</div><div>0</div><div>7</div><div>6</div><div>4</div><div>7</div><div>0</div><div>1</div><div>0</div></div> <div>Trade Secret ☐</div> <div>Chem. Name</div> <div>HYDROCHLORIC ACID (cont'd)</div> <div>Check all that apply: <div><div>☒ Pure</div><div>☒ Mix</div><div>☐ Solid</div><div>☒ Liquid</div><div>☐ Gas</div><div>☒ EHS</div></div></div> <div>EHS Name</div> <div>HYDROCHLORIC ACID</div>	<div>☐ Fire</div> <div>☐ Sudden Release of Pressure</div> <div>☒ Reactivity</div> <div>☒ Immediate (acute)</div> <div>☒ Delayed (chronic)</div>	<div><div>0</div><div>5</div>Max. Daily Amount (code)</div> <div><div>0</div><div>5</div>Avg. Daily Amount (code)</div> <div><div>3</div><div>6</div><div>5</div>No. of Days On-Site (days)</div>	<div><div>M</div><div>4</div><div>1</div>9401-3 / 1st Floor; 9616-7 / Laboratory; 9720-2; 9731</div> <div><div>M</div><div>4</div><div>1</div>9737 / 1st Floor / Room 9; 9769; 9995; Union Valley Facility</div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div>	<div></div>
CAS <div><div>0</div><div>0</div><div>7</div><div>6</div><div>6</div><div>4</div><div>3</div><div>9</div><div>3</div></div> <div>Trade Secret ☐</div> <div>Chem. Name</div> <div>HYDROGEN FLUORIDE</div> <div>Check all that apply: <div><div>☒ Pure</div><div>☒ Mix</div><div>☐ Solid</div><div>☒ Liquid</div><div>☒ Gas</div><div>☒ EHS</div></div></div> <div>EHS Name</div> <div>HYDROGEN FLUORIDE</div>	<div>☐ Fire</div> <div>☒ Sudden Release of Pressure</div> <div>☐ Reactivity</div> <div>☒ Immediate (acute)</div> <div>☒ Delayed (chronic)</div>	<div><div>0</div><div>2</div>Max. Daily Amount (code)</div> <div><div>0</div><div>2</div>Avg. Daily Amount (code)</div> <div><div>3</div><div>6</div><div>5</div>No. of Days On-Site (days)</div>	<div><div>L</div><div>4</div><div>1</div>9720-40</div> <div><div>M</div><div>4</div><div>1</div>9201-5N; 9204-3; 9204-4; 9212 / E Wing / Room 1021; 9720-2</div> <div><div>N</div><div>4</div><div>1</div>9202; 9204-2E / 3rd Floor; 9204-3; 9995; Union Valley Facility</div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div> <div><div></div><div></div><div></div></div>	<div></div>

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 <u>26</u> , 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.		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
Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed

[illegible]

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3</u> <u>4</u> <u>9</u> <u>9</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u> <u> </u> <u> </u> <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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) <i>Storage Locations</i>	Opt																					
CAS <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="8"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="1"/> ☐ Trade Secret Chem. Name <u>LITHIUM DEUTERIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____	☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="5"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="5"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1"> <tr><td>D</td><td>4</td><td>1</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> 9201-5; 9204-2; 9720-46 _____ _____ _____ _____ _____	D	4	1																			☐
D	4	1																							
CAS <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="8"/> <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="7"/> <input type="text" value="8"/> ☐ Trade Secret Chem. Name <u>LITHIUM HYDRIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☒ EHS EHS Name <u>LITHIUM HYDRIDE</u>	☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="5"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="5"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1"> <tr><td>D</td><td>4</td><td>1</td></tr> <tr><td>F</td><td>4</td><td>1</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> 9201-5; 9204-2; 9720-46 9202; 9731 _____ _____ _____ _____	D	4	1	F	4	1																☐
D	4	1																							
F	4	1																							
CAS <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="3"/> <input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="6"/> <input type="text" value="5"/> <input type="text" value="2"/> ☐ Trade Secret Chem. Name <u>LITHIUM HYDROXIDE</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="5"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="5"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1"> <tr><td>A</td><td>4</td><td>1</td></tr> <tr><td>D</td><td>4</td><td>1</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> 9204-2; West Tank Farm 9204-2 _____ _____ _____ _____	A	4	1	D	4	1																☐
A	4	1																							
D	4	1																							

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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	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
Specific Information by Chemical	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Emergency Contact	
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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	<div>C n T y p e</div> <div>P r e s s</div> <div>Storage Codes and Locations (Non-Confidential)</div> <div>Storage Locations</div>	O p t
CAS <u>001317</u> <u>71</u> <u>1</u> Trade Secret ☐ Chem. Name <u>MAGNESIUM IRON SILICATE</u> Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<div><u>J</u> <u>4</u> <u>1</u> <u>R</u> <u>4</u> <u>1</u> </div> <div><u>9720-2; 9720-50; 9831</u> <u>9720-15; 9738</u> </div>	☐
CAS <u>001309</u> <u>48</u> <u>4</u> Trade Secret ☐ Chem. Name <u>MAGNESIUM OXIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<div><u>D</u> <u>4</u> <u>1</u> <u>M</u> <u>4</u> <u>1</u> <u>N</u> <u>4</u> <u>1</u> </div> <div><u>9204-2; 9404-2</u> <u>9204-3</u> <u>9202; 9203; 9204-3</u> </div>	☐
CAS <u>007439</u> <u>97</u> <u>6</u> Trade Secret ☐ Chem. Name <u>MERCURY METAL</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>6</u> Max. Daily Amount (code) <u>0</u> <u>6</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<div><u>M</u> <u>4</u> <u>1</u> <u>N</u> <u>4</u> <u>1</u> <u>R</u> <u>4</u> <u>1</u> </div> <div><u>9202; 9203; 9710-2; 9720-26</u> <u>9201-2; 9208; 9720-8; 9737 / 2nd Floor</u> <u>9212 / E Wing</u> </div>	☐

Certification (Read and sign after completing all sections)		Optional Attachments
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>26</u> , 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.		☐ I have attached a site plan
Name and official title of owner/operator OR owner/operator's authorized representative _____ Signature _____ Date signed _____		☐ I have attached a list of site coordinate abbreviations
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Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Emergency Contact	
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	FOR OFFICIAL USE ONLY ID # <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) - Storage Locations	O P T																								
CAS <u>000067</u> <u>56</u> <u>1</u> Trade Secret ☐ Chem. Name <u>METHANOL</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<table border="1"><tr><td>D</td><td>4</td><td>1</td><td>9720-2; 9767-13; 9767-4</td></tr><tr><td>F</td><td>4</td><td>1</td><td>9201-1; 9201-3; 9201-5; 9201-5E; 9204-2; 9204-2E; 9204-4; 9212; 9215</td></tr><tr><td>F</td><td>4</td><td>1</td><td>9404-16; 9723-25; 9738</td></tr><tr><td>F</td><td>4</td><td>2</td><td>9201-5N; 9212; 9215</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9201-5; 9202; 9203; 9204-2; 9204-4; 9207; 9215; 9720-2; 9737; 9769</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9995; Union Valley Facility</td></tr></table>	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	☐
D	4	1	9720-2; 9767-13; 9767-4																									
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CAS <u>000067</u> <u>56</u> <u>1</u> Trade Secret ☐ Chem. Name <u>METHANOL (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<table border="1"><tr><td>N</td><td>4</td><td>1</td><td>9201-5E; 9208; 9401-3; 9720-2; 9723-25</td></tr><tr><td>N</td><td>4</td><td>2</td><td>9723-25</td></tr><tr><td>R</td><td>4</td><td>1</td><td>9720-2</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>	N	4	1	9201-5E; 9208; 9401-3; 9720-2; 9723-25	N	4	2	9723-25	R	4	1	9720-2													☐
N	4	1	9201-5E; 9208; 9401-3; 9720-2; 9723-25																									
N	4	2	9723-25																									
R	4	1	9720-2																									
CAS <u>007440</u> <u>02</u> <u>0</u> Trade Secret ☐ Chem. Name <u>NICKEL AND NICKEL COMPOUNDS</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>4</u> Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<table border="1"><tr><td>D</td><td>4</td><td>1</td><td>9204-4 / 2nd Floor / Plating Shop; 9720-8</td></tr><tr><td>F</td><td>4</td><td>1</td><td>9201-1; 9201-3; 9203; 9208</td></tr><tr><td>J</td><td>4</td><td>1</td><td>9204-4 / 2nd Floor / Plating Shop; 9720-2; 9720-50; 9831</td></tr><tr><td>K</td><td>4</td><td>1</td><td>9212; 9401-3; 9624</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9203; 9204-3; 9995; UVSPF</td></tr><tr><td>N</td><td>4</td><td>1</td><td>9203; 9204-3; 9204-4 / 2nd Floor / Plating Shop; 9624</td></tr></table>	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	☐
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Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u> - <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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 007440020 Trade Secret ☐
Chem. Name NICKEL AND NICKEL COMPOUN
DS (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 4 Max. Daily Amount (code)
0 4 Avg. Daily Amount (code)
3 6 5 No. of Days On-Site (days)

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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)

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

D 4 1
F 4 1
K 4 1
L 4 1
M 4 1
N 4 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)

0 4 Max. Daily Amount (code)
0 4 Avg. Daily Amount (code)
3 6 5 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.

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

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

Signature

Date signed

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Emergency Contact	
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	FOR OFFICIAL USE ONLY ID # <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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Reporting Period From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) <i>Storage Locations</i>																								
CAS <u>007697</u> <u>37</u> <u>2</u> Trade Secret ☐ Chem. Name <u>NITRIC ACID</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name <u>NITRIC ACID</u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>0</u> <u>4</u> No. of Days On-Site (days) <u>3</u> <u>6</u> <u>5</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>C</td><td>4</td><td>1</td></tr> <tr><td>n</td><td>4</td><td>1</td></tr> <tr><td>T</td><td>4</td><td>1</td></tr> <tr><td>y</td><td>4</td><td>1</td></tr> <tr><td>e</td><td>4</td><td>1</td></tr> <tr><td>p</td><td>4</td><td>1</td></tr> <tr><td>m</td><td>4</td><td>1</td></tr> <tr><td>s</td><td>4</td><td>1</td></tr> </table> 9206; 9815 9206 / 2nd Floor / Room 100E; 9212 / B-1 Wing / Penthouse 9204-3 / 2nd Floor 9201-5 / 2nd Floor; 9201-5N / 1st Floor / Plating Shop; 9202; 9203 9204-2E / 3rd Floor / Room 316; 9204-3 / 1st Floor 9204-4 / 2nd Floor / Plating Shop; 9207 / 1st Floor / Room 7-1006	C	4	1	n	4	1	T	4	1	y	4	1	e	4	1	p	4	1	m	4	1	s	4	1
C	4	1																									
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CAS <u>007697</u> <u>37</u> <u>2</u> Trade Secret ☐ Chem. Name <u>NITRIC ACID (cont'd)</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name <u>NITRIC ACID</u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Max. Daily Amount (code) <u>0</u> <u>4</u> Avg. Daily Amount (code) <u>0</u> <u>4</u> No. of Days On-Site (days) <u>3</u> <u>6</u> <u>5</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>N</td><td>4</td><td>1</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> 9212 / E Wing / Room 1021; 9401-2 / Plating Shop / Annex; 9616-7; 9731 9769; 9995; Union Valley Facility 9769; 9995	M	4	1	M	4	1	N	4	1															
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CAS <u>007727</u> <u>37</u> <u>9</u> Trade Secret ☐ Chem. Name <u>NITROGEN</u> Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	Max. Daily Amount (code) <u>0</u> <u>5</u> Avg. Daily Amount (code) <u>0</u> <u>5</u> No. of Days On-Site (days) <u>3</u> <u>6</u> <u>5</u>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>A</td><td>7</td><td>2</td></tr> <tr><td>L</td><td>4</td><td>2</td></tr> <tr><td>L</td><td>4</td><td>2</td></tr> <tr><td>L</td><td>7</td><td>2</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> 9977-1 9201-2 / Weld Shops; 9201-3; 9204-2E; 9401-1; 9401-5; 9420; 9735; 9737 9738; 9769; 9808; 9995 9204-3; 9206; 9212	A	7	2	L	4	2	L	4	2	L	7	2												
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Certification (Read and sign after completing all sections)

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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 <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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 007782 447 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)	A72 9723-25; 9738 / Foundry; 9977-1 L42 2002; 2005; 9201-2; 9204-2 / Maintenance; 9204-2E / 2nd Floor L42 9215 / M Wing; 9420; 9709 / Weld Test Shop; 9720-6; 9738 / Foundry L42 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)	A41 9201-3; 9204-2 / PV Room D41 2005; 9201-1; 9201-5; 9201-5E; 9201-5N; 9201-5W; 9204-2; 9204-2E D41 9204-4; 9206; 9208; 9211; 9212 / A Wing; 9212 / E Wing D41 9215 / Basement; 9215 / M Wing; 9401-2; 9709; 9712; 9714 / TSD Garage D41 9720-2; 9727-4; 9767-1; 9767-11; 9767-13; 9767-3; 9808; 9998 E41 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)	F41 2002; 2005; 9201-1; 9201-3; 9201-5; 9204-1; 9204-2; 9204-2E; 9204-4 F41 9207; 9208; 9212 / A Wing; 9212 / B Wing; 9212 / E Wing; 9404-16 F41 9404-20; 9616-9; 9712; 9714 / TSD Garage; 9723-21; 9723-25; 9737; 9998 F42 9401-1; 9404-1 M41 9201-1; 9201-3; 9206; 9737 N41 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 <u>26</u> , 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.		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
Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed

Specific Information by Chemical

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

☐ 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	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576-9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
Specific Information by Chemical	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
	SIC Code 3499 Dun & Brad Number - - - - -		Name Plant Shift Superintendent Title	
	FOR OFFICIAL USE ONLY ID #		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	C n t y p o P r e s e n t s Storage Codes and Locations (Non-Confidential) Storage Locations	O P t
CAS 000151508 Trade Secret Chem. NamePOTASSIUM 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)	D41 9201-5N J41 9706-2 / 1st Floor M41 9204-3 / 1st Floor; 9401-4 N41 9202 R41 9995 / 1st Floor	☐
CAS 0000074986 Trade Secret Chem. NamePROPANE 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)	L42 2005; 9201-1; 9201-2; 9201-3; 9201-5; 9202; 9203; 9204-1; 9204-3; 9206 L42 9212; 9219; 9401-1; 9401-3; 9404-5; 9404-9; 9420; 9709 L42 9714 / TSD Garage; 9720-6; 9723-21; 9737; 9766; 9808; 9824-5; 9959 L42 9996; 9998	☐
CAS 0000057556 Trade Secret Chem. NamePROPYLENE 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)	D41 9201-5E; 9201-5N; 9206; 9212 / A Wing; 9212 / B-1 Wing; 9215 / M Wing D41 9401-3; 9720-2; 9767-4; 9805; 9805-1; 9998 F41 9202 / 3rd Floor; 9712 M41 9202 / 2nd Floor N41 9202 / 1st Floor	☐

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Name and official title of owner/operator OR owner/operator's authorized representative		☐ I have attached a list of site coordinate abbreviations
Signature	Date signed	☐ I have attached a description of dikes and other safeguard measures

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Emergency Contact	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) <div>Storage Locations</div>	Opt
CAS <div>014808198</div> <div>Trade Secret</div> <div>Chem. Name</div> SILICA, CRYSTALLINE-QUART <div>Z</div> <div>Check all that apply:</div> <div><div>Pure</div><div>☒ Mix</div><div>☒ Solid</div><div><div>Liquid</div></div><div><div>Gas</div></div><div><div>EHS</div></div></div> <div>EHS Name</div>	<div><div>☐ Fire</div><div>☐ Sudden Release of Pressure</div><div>☐ Reactivity</div><div>☒ Immediate (acute)</div><div>☒ Delayed (chronic)</div></div>	<div><div>04</div> Max. Daily Amount (code)</div> <div><div>04</div> Avg. Daily Amount (code)</div> <div><div>365</div> No. of Days On-Site (days)</div>	<div><div><div>E41</div> 9404-5; 9720-15</div><div><div>F41</div> 1501-2; 9104-5; 9201-1; 9201-3; 9202; 9203; 9204-1; 9204-2E; 9204-3</div><div><div>F41</div> 9204-4; 9206; 9401-3; 9404-5; 9420; 9623; 9624; 9703-15; 9720-13</div><div><div>F41</div> 9720-6; 9831; 9983</div><div><div>J41</div> 9401-3; 9404-20; 9420; 9623; 9720-50; 9720-6; 9720-8; 9723-25; 9831</div><div><div>K41</div> 9712; 9720-50; 9720-52</div></div>	<div></div>
CAS <div>014808198</div> <div>Trade Secret</div> <div>Chem. Name</div> SILICA, CRYSTALLINE-QUART <div>Z (cont'd)</div> <div>Check all that apply:</div> <div><div>Pure</div><div>☒ Mix</div><div>☒ Solid</div><div><div>Liquid</div></div><div><div>Gas</div></div><div><div>EHS</div></div></div> <div>EHS Name</div>	<div><div>☐ Fire</div><div>☐ Sudden Release of Pressure</div><div>☐ Reactivity</div><div>☒ Immediate (acute)</div><div>☒ Delayed (chronic)</div></div>	<div><div>04</div> Max. Daily Amount (code)</div> <div><div>04</div> Avg. Daily Amount (code)</div> <div><div>365</div> No. of Days On-Site (days)</div>	<div><div><div>M41</div> 9204-3; 9995</div><div><div>N41</div> 9201-1; 9202; 9203; 9204-3; 9206; 9401-3; 9712; 9995</div><div></div><div></div><div></div><div></div><div></div></div>	<div></div>
CAS <div>007631905</div> <div>Trade Secret</div> <div>Chem. Name</div> SODIUM BISULFITE <div></div> <div>Check all that apply:</div> <div><div>Pure</div><div>☒ Mix</div><div>☒ Solid</div><div>☒ Liquid</div><div><div>Gas</div></div><div><div>EHS</div></div></div> <div>EHS Name</div>	<div><div>☐ Fire</div><div>☐ Sudden Release of Pressure</div><div>☐ Reactivity</div><div>☒ Immediate (acute)</div><div>☐ Delayed (chronic)</div></div>	<div><div>05</div> Max. Daily Amount (code)</div> <div><div>05</div> Avg. Daily Amount (code)</div> <div><div>365</div> No. of Days On-Site (days)</div>	<div><div><div>A41</div> 9417-8; 9417-9</div><div><div>E41</div> 9767-8</div><div><div>M41</div> 9202 / 2nd Floor / Room 215</div><div></div><div></div><div></div></div>	<div></div>

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Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>	Emergency Contact		
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>	Name <u>Plant Shift Superintendent</u> Title <u> </u>		
	FOR OFFICIAL USE ONLY	ID # <u> </u>	Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
		Date Received <u> </u>	Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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Reporting Period From January 1 to December 31, 1997

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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt
CAS 000497198 Trade Secret Chem. NameSODIUM 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)	D41 9818 E41 9206; 9215; 9818 F41 9104-5; 9202; 9420; 9815 J41 9206 M41 9202; 9204-3; 9211; 9623; 9769; 9995; UVSPF N41 9202; 9203; 9204-3; 9210; 9211; 9624; 9737; 9995; UVSPF	
CAS 000497198 Trade Secret Chem. NameSODIUM 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)	R41 9204-4; 9215; 9720-2; 9739; 9995; UVSPF	
CAS 007647145 Trade Secret Chem. NameSODIUM 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)	B41 9401-3 H41 9993 J41 2007 K41 2010 N41 9769; 9995; Union Valley Facility	

Certification (Read and sign after completing all sections)		Optional Attachments
I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through <u>26</u> , 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.		☐ I have attached a site plan
Name and official title of owner/operator OR owner/operator's authorized representative		☐ I have attached a list of site coordinate abbreviations
Signature	Date signed	☐ I have attached a description of dikes and other safeguard measures

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>		Emergency Contact	
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	FOR OFFICIAL USE ONLY ID # <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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 <u>001310732</u> Trade Secret ☐ Chem. Name <u>SODIUM HYDROXIDE</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>05</u> Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	<table border="1"><tr><td>C</td><td>4</td><td>1</td></tr><tr><td>T</td><td>4</td><td>1</td></tr><tr><td>y</td><td>4</td><td>1</td></tr><tr><td>p</td><td>4</td><td>1</td></tr><tr><td>e</td><td>4</td><td>1</td></tr></table> <u>1404-2; 1405; 9204-2</u> <u>9404-18; 9616-7</u> <u>9201-2; 9201-5N; 9204-4; 9206; 9401-2; 9805</u> <u>9206; 9401-2</u> <u>West Tank Farm</u> <u>9401-3; 9720-2</u>	C	4	1	T	4	1	y	4	1	p	4	1	e	4	1	☐
C	4	1																	
T	4	1																	
y	4	1																	
p	4	1																	
e	4	1																	
CAS <u>001310732</u> Trade Secret ☐ Chem. Name <u>SODIUM HYDROXIDE (cont'd)</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>05</u> Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	<table border="1"><tr><td>K</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr></table> <u>9720-13</u> <u>9206; 9212; 9805</u> <u>9104-3; 9109; 9115; 9116; 9119; 9201-1; 9201-2; 9201-3; 9201-5; 9204-2</u> <u>9204-2E; 9204-3; 9207; 9401-3; 9616-7; 9769; 9818; 9995</u>	K	4	1	M	4	1	N	4	1	N	4	1	☐			
K	4	1																	
M	4	1																	
N	4	1																	
N	4	1																	
CAS <u>007681529</u> Trade Secret ☐ Chem. Name <u>SODIUM HYPOCHLORITE</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	<table border="1"><tr><td>E</td><td>4</td><td>1</td></tr><tr><td>E</td><td>4</td><td>1</td></tr><tr><td>E</td><td>4</td><td>1</td></tr><tr><td>N</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr></table> <u>9409-10; 9409-12; 9409-13; 9409-15; 9409-17; 9409-18; 9409-19; 9409-2</u> <u>9409-20; 9409-22; 9409-22E; 9409-23; 9409-24; 9409-26; 9409-29</u> <u>9409-32; 9409-34; 9720-2</u> <u>9202; 9731; 9769; 9995; 9998; Union Valley Facility</u> <u>9201-5N; 9204-4</u>	E	4	1	E	4	1	E	4	1	N	4	1	R	4	1	☐
E	4	1																	
E	4	1																	
E	4	1																	
N	4	1																	
R	4	1																	

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

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification Name <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

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 <u>006834920</u> Trade Secret ☐ Chem. Name <u>SODIUM METASILICATE, ANH YDROUS</u> Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	C <u>41</u> 9401-2 / Plating Shop F <u>41</u> 9204-4; 9714; 9720-13 I <u>41</u> 9401-2 / Plating Shop; 9623; 9720-2 N <u>41</u> 9219; 9401-1; 9995; UVSPF R <u>41</u> 9201-1; 9201-4; 9210; 9215; 9404-20; 9709; 9995	☐
CAS <u>085029750</u> Trade Secret ☐ Chem. Name <u>SODIUM ZINC POLYPHOSPHATE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>03</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	J <u>41</u> 1405	☐
CAS <u>007664939</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name <u>SULFURIC ACID</u>	☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>05</u> Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	A <u>41</u> 9201-5 / Outside Tank; 9401-3 / Main Utilities Area (Boilers etc.) C <u>41</u> 9401-3; 9404-18; 9616-7 / West End Treatment Facility; 9616-9 E <u>41</u> 9401-2 / Plating Shop / Annex; 9409-10; 9409-13; 9409-15; 9409-18 E <u>41</u> 9409-2; 9409-22; 9409-23; 9409-26; 9409-29; 9409-32; 9409-4; 9720-2 M <u>41</u> 1405; 9201-2; 9201-5N / 1st Floor / Room 133; 9204-2 M <u>41</u> 9204-2E / 3rd Floor; 9204-4 / 2nd Floor; 9206 / 2nd Floor / Room 100E	☐

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

Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
	Street <u>Bear Creek Road</u>		Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u>	Emergency Contact		
	SIC Code <u>3499</u> Dun & Brad Number <u> </u> - <u> </u> - <u> </u>	Name <u>Plant Shift Superintendent</u> Title <u> </u>		
	FOR OFFICIAL USE ONLY	ID # <u> </u>	Phone <u>(423) 574-7172</u>	24 Hr. Phone <u>(423) 574-7172</u>
		Date Received <u> </u>	Name <u>DOE Emergency Response Center</u>	Title <u> </u>
			Phone <u>(423) 576-1005</u>	24 Hr. Phone <u>(423) 576-1005</u>

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Reporting Period From January 1 to December 31, 1997

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

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	<div>C n T T y p e</div> <div>P r e s s</div> Storage Codes and Locations (Non-Confidential) <div>Storage Locations</div>	O P t
CAS <div><div>0</div><div>0</div><div>7</div><div>6</div><div>6</div><div>4</div><div>9</div><div>3</div><div>9</div></div> <div>Trade Secret</div> <div>Chem. Name</div> SULFURIC ACID (cont'd) <div>Check all that apply:</div> <div><div><div>X</div><div>Pure</div></div><div><div>X</div><div>Mix</div></div><div><div></div><div>Solid</div></div><div><div>X</div><div>Liquid</div></div><div><div></div><div>Gas</div></div><div><div>X</div><div>EHS</div></div></div> <div>EHS Name</div> SULFURIC ACID	<div><div><div></div><div>Fire</div></div><div><div></div><div>Sudden Release of Pressure</div></div><div><div>X</div><div>Reactivity</div></div><div><div>X</div><div>Immediate (acute)</div></div><div><div>X</div><div>Delayed (chronic)</div></div></div>	<div><div><div>0</div><div>5</div></div>Max. Daily Amount (code)<div><div>0</div><div>5</div></div>Avg. Daily Amount (code)<div><div>3</div><div>6</div><div>5</div></div>No. of Days On-Site (days)</div>	<div><div><div>M</div><div>4</div><div>1</div></div>9207; 9212 / B-1 Wing; 9401-2 / Plating Shop / Annex<div><div>M</div><div>4</div><div>1</div></div>9623 / CPCF - Laboratory; 9735; 9737; 9769 / 2nd Floor<div><div>M</div><div>4</div><div>1</div></div>9769 / 3rd Floor; 9995 / 1st Floor; Union Valley Facility<div><div>N</div><div>4</div><div>1</div></div>9201-5; 9616-7 / Laboratory</div>	
CAS <div><div>0</div><div>0</div><div>7</div><div>4</div><div>4</div><div>0</div><div>6</div><div>1</div><div>1</div></div> <div>Trade Secret</div> <div>Chem. Name</div> URANIUM AND URANIUM COMPO <div>UNDS</div> <div>Check all that apply:</div> <div><div><div>X</div><div>Pure</div></div><div><div>X</div><div>Mix</div></div><div><div>X</div><div>Solid</div></div><div><div>X</div><div>Liquid</div></div><div><div></div><div>Gas</div></div><div><div></div><div>EHS</div></div></div> <div>EHS Name</div>	<div><div><div>X</div><div>Fire</div></div><div><div></div><div>Sudden Release of Pressure</div></div><div><div></div><div>Reactivity</div></div><div><div>X</div><div>Immediate (acute)</div></div><div><div>X</div><div>Delayed (chronic)</div></div></div>	<div><div><div>0</div><div>6</div></div>Max. Daily Amount (code)<div><div>0</div><div>6</div></div>Avg. Daily Amount (code)<div><div>3</div><div>6</div><div>5</div></div>No. of Days On-Site (days)</div>	<div><div><div>R</div><div>4</div><div>1</div></div>9119; 9201-2; 9201-4; 9201-5; 9201-5N; 9202; 9203; 9204-1; 9204-2<div><div>R</div><div>4</div><div>1</div></div>9204-2E; 9204-3; 9204-4; 9206; 9207; 9212; 9215; 9401-4; 9401-5<div><div>R</div><div>4</div><div>1</div></div>9710-2; 9711-1; 9720-1; 9720-12; 9720-18; 9720-3; 9720-5; 9735; 9769<div><div>R</div><div>4</div><div>1</div></div>9825A; 9980; 9983-17; 9995; 9998</div>	
CAS <div><div>0</div><div>0</div><div>0</div><div>0</div><div>5</div><div>7</div><div>1</div><div>3</div><div>6</div></div> <div>Trade Secret</div> <div>Chem. Name</div> UREA <div>Check all that apply:</div> <div><div><div></div><div>Pure</div></div><div><div>X</div><div>Mix</div></div><div><div>X</div><div>Solid</div></div><div><div></div><div>Liquid</div></div><div><div></div><div>Gas</div></div><div><div></div><div>EHS</div></div></div> <div>EHS Name</div>	<div><div><div>X</div><div>Fire</div></div><div><div></div><div>Sudden Release of Pressure</div></div><div><div></div><div>Reactivity</div></div><div><div></div><div>Immediate (acute)</div></div><div><div>X</div><div>Delayed (chronic)</div></div></div>	<div><div><div>0</div><div>5</div></div>Max. Daily Amount (code)<div><div>0</div><div>4</div></div>Avg. Daily Amount (code)<div><div>3</div><div>6</div><div>5</div></div>No. of Days On-Site (days)</div>	<div><div><div>E</div><div>4</div><div>1</div></div>9206 / West Dock; 9219; 9983-AL<div><div>F</div><div>4</div><div>1</div></div>9404-20; 9720-13<div><div>J</div><div>4</div><div>1</div></div>9720-13; 9720-2; 9769<div><div>K</div><div>4</div><div>1</div></div>West Tank Farm<div><div>M</div><div>4</div><div>1</div></div>9202<div><div>N</div><div>4</div><div>1</div></div>9204-3; 9616-7 / Laboratory; 9995; Union Valley Facility</div>	

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Tier Two Emergency and Hazardous Chemical Inventory Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone <u>(423) 576-9850</u>	
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	FOR OFFICIAL USE ONLY ID # <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>	
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Opt												
CAS <u>000057136</u> Trade Secret ☐ Chem. Name <u>UREA (cont'd)</u> Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)	☐ ☐ Max. Daily Amount (code) ☐ ☐ Avg. Daily Amount (code) ☐ ☐ No. of Days ☐ ☐ On-Site (days)	<table border="1"><tr><td>C</td><td>P</td></tr><tr><td>n</td><td>r</td></tr><tr><td>T</td><td>e</td></tr><tr><td>y</td><td>e</td></tr><tr><td>p</td><td>m</td></tr><tr><td>e</td><td>s</td></tr></table> <u>R41</u> <u>9720-50</u>	C	P	n	r	T	e	y	e	p	m	e	s	☐
C	P															
n	r															
T	e															
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C	P															
n	r															
T	e															
y	e															
p	m															
e	s															
CAS <u> </u> Trade Secret ☐ Chem. Name <u> </u> Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	☐ ☐ Max. Daily Amount (code) ☐ ☐ Avg. Daily Amount (code) ☐ ☐ No. of Days ☐ ☐ On-Site (days)	<table border="1"><tr><td>C</td><td>P</td></tr><tr><td>n</td><td>r</td></tr><tr><td>T</td><td>e</td></tr><tr><td>y</td><td>e</td></tr><tr><td>p</td><td>m</td></tr><tr><td>e</td><td>s</td></tr></table>	C	P	n	r	T	e	y	e	p	m	e	s	☐
C	P															
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- ☐ I have attached a site plan
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Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed