Y-12

Y/TS-1468

OAK RIDGE Y-12 PLANT

MARTIN MARIETTA

EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

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R. A. Evans
K. J. Martin

Health, Safety, Environment, and
Accountability Organization

February 1996

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

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

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EMERGENCY PLANNING AND COMMUNITY
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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>	
	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, 19 95
☐ 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	Container Type Temperature Pressure	Optional																																										
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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>C</td><td>4</td><td>1</td><td>9616-7 / West End Treatment</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9201-5 / 2nd Floor / Arc Melt</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9204-2E / 3rd Floor / Room 316</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9204-3 / 1st Floor / Room 109</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9206 / 1st Floor; 9212 / Room 1014</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9401-2 / Surface Coating</td></tr> </table>	C	4	1	9616-7 / West End Treatment	M	4	1	9201-5 / 2nd Floor / Arc Melt	M	4	1	9204-2E / 3rd Floor / Room 316	M	4	1	9204-3 / 1st Floor / Room 109	M	4	1	9206 / 1st Floor; 9212 / Room 1014	M	4	1	9401-2 / Surface Coating	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>C</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td>M</td><td>4</td><td>1</td></tr> </table>	C	4	1	M	4	1	M	4	1	M	4	1	M	4	1	M	4	1	☐
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CAS <u>007440417</u> Trade Secret ☐ Chem. Name <u>BERYLLIUM & COMPOUNDS, AS BE</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" style="width:100%; border-collapse: collapse;"> <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> <u>9201-5</u>	D	4	1																☐
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Reporting Period

From January 1 to December 31, 19 95
☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards <small>(check all that apply)</small>	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																		
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)	<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" style="width:100%; border-collapse: collapse;"> <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> <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> </table>	M	4	1	N	4	1	N	4	1	R	4	1							<u>9769 / 3rd Floor / Room 308</u> <u>9219 / Grounds and Roads Work Area</u> <u>Union Valley Facility</u> <u>9720-50</u>	☐
M	4	1																					
N	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)	<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" style="width:100%; border-collapse: collapse;"> <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> <tr><td>M</td><td>4</td><td>1</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	H	4	1	J	4	1	M	4	1	M	4	1							<u>9616-9; 9623</u> <u>9616-7 / West End Treatment</u> <u>9204-2 / 2nd Floor / ETA/DAP Area</u> <u>Union Valley Facility</u>	☐
H	4	1																					
J	4	1																					
M	4	1																					
M	4	1																					
CAS <u>007440702</u> Trade Secret ☐ Chem. Name <u>CALCIUM 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>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" style="width:100%; border-collapse: collapse;"> <tr><td>D</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>	D	4	1	M	4	1	N	4	1										<u>9204-3; 9212 / D-1 Wing; 9720-27</u> <u>9202; 9204-3; 9212 / E Wing</u> <u>9202</u>	☐
D	4	1																					
M	4	1																					
N	4	1																					

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I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 23, 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 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, 19 95
☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>0 0 7 4 4 0 4 4 0</u> Trade Secret ☐ Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>C 4 1</u> <u>D 4 1</u> <u>E 4 1</u> <u>F 4 1</u> <u>J 4 1</u>	<u>9616-7 / West Tank Farm</u> <u>9204-2; 9206; 9998 / H-1 Foundry</u> <u>9201-5; 9201-5N; 9204-2E</u> <u>9212; 9215; 9404-9</u> <u>9616-7 / West Tank Farm</u>	☐
CAS <u>0 0 0 1 2 4 3 8 9</u> Trade Secret ☐ Chem. Name <u>CARBON DIOXIDE</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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>A 4 2</u> <u>L 4 2</u> <u>L 4 2</u> <u>P 4 2</u>	<u>9710-2 / Outside Tank</u> <u>1405; 2005; 9204-2E / 2nd Floor</u> <u>9995 / Basement Floor</u> <u>9710-2 / Outside Tanker</u>	☐
CAS <u>0 0 7 7 8 2 5 0 5</u> Trade Secret ☐ Chem. Name <u>CHLORINE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☒ Gas ☒ EHS EHS Name <u>CHLORINE</u>	☐ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>0 4</u> Max. Daily Amount (code) <u>0 3</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>L 4 2</u>	<u>1405; 9204-1</u>	☐

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Signature

Date signed

Optional Attachments

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

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		Facility Identification		Owner/Operator Name	
Specific Information by Chemical		Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>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>3 4 9 9</u> Dun & Brad Number <u> </u> <u> </u> <u> </u> <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>		Phone (<u>423</u>) <u>574-7172</u> 24 Hr. Phone (<u>423</u>) <u>574-7172</u>	
FOR OFFICIAL USE ONLY		ID # <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
Date Received <u> </u>		Phone (<u>423</u>) <u>576-1005</u>		24 Hr. Phone (<u>423</u>) <u>576-1005</u>	
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>95</u>	
☐ Check if information below is identical to the information submitted last year.					
Chemical Description		Physical and Health Hazards	Inventory	Storage Codes and Locations (Non-Confidential)	Optional
		(check all that apply)		Storage Locations	
CAS <u>0 6 1 7 9 0 5 3 2</u> Trade Secret ☐		☐ Fire	<u>0 4</u> Max. Daily Amount (code)	<u>E 4 1</u> 9206	
Chem. Name <u>DIATOMACEOUS EARTH</u>		☐ Sudden Release of Pressure	<u>0 3</u> Avg. Daily Amount (code)	<u>F 4 1</u> 9201-5N; 9204-2	
Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☒ Reactivity	<u>3 6 5</u> No. of Days On-Site (days)	<u>J 4 1</u> 2005; 2007; 9212 / B-1 Wing	
EHS Name <u> </u>		☒ Immediate (acute)		<u>J 4 1</u> 9212 / C-1 Wing; 9212 / E Wing	
		☒ Delayed (chronic)		<u>M 4 1</u> 9212 / Reduction; 9616-9; 9720-2	
				<u>9207</u>	
CAS <u>0 6 1 7 9 0 5 3 2</u> Trade Secret ☐		☐ Fire	<u>0 4</u> Max. Daily Amount (code)	<u>N 4 1</u> 9201-1 / 1st Floor / Oil Room	
Chem. Name <u>DIATOMACEOUS EARTH (cont'd)</u>		☐ Sudden Release of Pressure	<u>0 3</u> Avg. Daily Amount (code)		
Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☒ Reactivity	<u>3 6 5</u> No. of Days On-Site (days)		
EHS Name <u> </u>		☒ Immediate (acute)			
		☒ Delayed (chronic)			
CAS <u> </u> Trade Secret ☐		☒ Fire	<u>0 5</u> Max. Daily Amount (code)	<u>A 4 1</u> 1404-5; 2005	
Chem. Name <u>DIESEL FUEL NO. 2</u>		☐ Sudden Release of Pressure	<u>0 5</u> Avg. Daily Amount (code)	<u>B 4 1</u> 9714 / TSD Garage; 9754-3	
Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS		☒ Reactivity	<u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> 9401-1	
EHS Name <u> </u>		☒ Immediate (acute)		<u>F 4 1</u> 2001; 9720-50	
		☒ Delayed (chronic)		<u>N 4 1</u> 9401-1	
				<u>P 4 1</u> 2005; 9712 / Tanker Truck	
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>23</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	
				☐ 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

 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

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 Phone (423) 576-1005 24 Hr. Phone (423) 576-1005
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Reporting Period From January 1 to December 31, 19 95
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>0 1 0 0 2 8 2 2 5</u> Trade Secret ☐ Chem. Name <u>FERRIC SULFATE</u> Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<u>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>C 4 1</u> <u>C 4 1</u> 	<u>9616-7 / West End Treatment</u> <u>9623</u> 	☐
CAS <u>0 0 0 0 7 6 1 3 1</u> Trade Secret ☐ Chem. Name <u>FREON 113</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>C 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>F 4 1</u> <u>M 4 1</u> <u>M 4 1</u>	<u>9215</u> <u>9201-2; 9201-5; 9206 / West Dock</u> <u>9212 / E Wing; 9720-2</u> <u>9202; 9720-2</u> <u>9207 / 5th Floor; 9207 / 4th Floor</u> <u>9769 / 3rd Floor</u>	☐
CAS <u>0 0 0 0 7 6 1 3 1</u> Trade Secret ☐ Chem. Name <u>FREON 113 (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)	<u>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>M 4 1</u> <u>M 4 1</u> <u>N 4 1</u> 	<u>9995 / Basement Floor</u> <u>9995 / 1st Floor</u> <u>9203</u> 	☐

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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific Information by Chemical</i>	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>	

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Reporting Period

From January 1 to December 31, 19 95
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																		
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>7</u> <u>5</u> <u>7</u> <u>1</u> <u>8</u> Trade Secret ☐ Chem. Name <u>FREON 12</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" style="width:100%; border-collapse: collapse;"> <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>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> </table> <u>9201-1; 9201-3; 9204-1 / Dock 119</u> <u>9712; 9714 / TSD Garage</u> <u>9808 / Refrigeration Shop; 9959</u>	L	4	2	L	4	2	L	4	2										☐
L	4	2																				
L	4	2																				
L	4	2																				
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>7</u> <u>5</u> <u>4</u> <u>5</u> <u>6</u> Trade Secret ☐ Chem. Name <u>FREON 22</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)	<table border="1" style="width:100%; border-collapse: collapse;"> <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> </table> <u>9201-3; 9420; 9737</u> <u>9808 / Refrigeration Shop; 9959</u>	L	4	2	L	4	2										☐			
L	4	2																				
L	4	2																				
CAS <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>7</u> <u>5</u> <u>6</u> <u>9</u> <u>4</u> Trade Secret ☐ Chem. Name <u>FREON(R) 11</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" style="width:100%; border-collapse: collapse;"> <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> </table> <u>9201-5E; 9720-2</u>	D	4	1													☐			
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Tier Two
EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORYSpecific
Information
by Chemical**Facility Identification**Name Oak Ridge Y-12 PlantStreet Bear Creek RoadCity Oak Ridge County Anderson State TN Zip 37831SIC 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) 576-9850Mail Address P.O. Box 2001, Oak Ridge, TN 37831**Emergency Contact**Name Plant Shift Superintendent Title Phone (423) 574-717224 Hr. Phone (423) 574-7172Name DOE Emergency Response Center Title Phone (423) 576-100524 Hr. Phone (423) 576-1005**Important: Read all instructions before completing form****Reporting Period**From January 1 to December 31, 19 95☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																		
CAS <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> Trade Secret ☐ Chem. Name <u>GASOLINE, UNLEADED</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>5</u> Max. Daily Amount (code) <u>0</u> <u>5</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>A</td><td>4</td><td>1</td></tr> <tr><td>B</td><td>4</td><td>1</td></tr> <tr><td>B</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>F</td><td>4</td><td>1</td></tr> </table>	A	4	1	B	4	1	B	4	1	D	4	1	F	4	1	F	4	1	2005; 9204-3 9714 / Underground Tank 9754-3 / Underground Tank 9401-1; 9720-13 9201-1; 9201-2 / Storage Shed 9204-1; 9206; 9219; 9404-20; 9404-5	☐
A	4	1																					
B	4	1																					
B	4	1																					
D	4	1																					
F	4	1																					
F	4	1																					
CAS <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> Trade Secret ☐ Chem. Name <u>GASOLINE, UNLEADED (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>5</u> Max. Daily Amount (code) <u>0</u> <u>5</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>F</td><td>4</td><td>1</td></tr> <tr><td>F</td><td>4</td><td>1</td></tr> <tr><td>F</td><td>4</td><td>1</td></tr> <tr><td>P</td><td>4</td><td>1</td></tr> </table>	F	4	1	F	4	1	F	4	1	P	4	1	9714; 9720-41; 9720-6; 9808; 9983 Sanitary Landfill #2 West Tank Farm 2005; 9712	☐						
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F	4	1																					
F	4	1																					
P	4	1																					
CAS <u>0</u> <u>0</u> <u>7</u> <u>4</u> <u>4</u> <u>0</u> <u>5</u> <u>9</u> <u>7</u> Trade Secret ☐ Chem. Name <u>HELIUM</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)	<table border="1"> <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>4</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>P</td><td>4</td><td>1</td></tr> </table>	L	4	2	L	4	2	L	4	2	L	4	2	L	4	2	P	4	1	9201-1; 9201-2; 9201-3 9204-1 / Dock 119 9204-2 / Maintenance; 9204-2E; 9206 9404-1; 9616-7; 9709; 9720-13 9720-6; 9723-25; 9769; 9959; 9995 9977-1	☐
L	4	2																					
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Date signed

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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific Information by Chemical</i>	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> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u> </div>			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>		
	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					
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																								
CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>4</u> <u>7</u> <u>0</u> <u>1</u> <u>0</u> Trade Secret ☐ Chem. Name <u>HYDROCHLORIC ACID</u> Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☐ Liquid ☐ Gas ☒ EHS EHS Name <u>HYDROCHLORIC ACID</u>	☒ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<u>0</u> <u>5</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" style="width:100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>1</td><td>9204-2 / Tank</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9201-5</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9404-5</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>1405; 9201-5; 9202; 9203</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9204-2E / 3rd Floor; 9204-3</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9206 / 2nd Floor / Room 100E</td></tr> </table>	A	4	1	9204-2 / Tank	D	4	1	9201-5	F	4	1	9404-5	M	4	1	1405; 9201-5; 9202; 9203	M	4	1	9204-2E / 3rd Floor; 9204-3	M	4	1	9206 / 2nd Floor / Room 100E	☐
A	4	1	9204-2 / Tank																									
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Reporting Period From January 1 to December 31, 19 95
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																		
CAS <u>0 0 0 0 6 7 6 3 0</u> Trade Secret ☐ Chem. Name <u>ISOPROPYL ALCOHOL</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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>F</td><td>4</td><td>1</td></tr> <tr><td>F</td><td>4</td><td>1</td></tr> <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>N</td><td>4</td><td>1</td></tr> </table> <u>9201-1; 9201-5; 9201-5N; 9204-2</u> <u>9204-2E / 3rd Floor / Room 309</u> <u>9206; 9616-7 / Laboratory; 9720-2</u> <u>9720-8; 9737</u> <u>9204-2E / 3rd Floor / Room 311</u> <u>9207; 9212 / B-1 Wing</u>	F	4	1	F	4	1	M	4	1	M	4	1	N	4	1	N	4	1	☐
F	4	1																				
F	4	1																				
M	4	1																				
M	4	1																				
N	4	1																				
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CAS <u>0 0 0 0 6 7 6 3 0</u> Trade Secret ☐ Chem. Name <u>ISOPROPYL ALCOHOL (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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N</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>9212 / E Wing; 9401-1; 9723-25</u> <u>9737</u> <u>9720-2</u>	N	4	1	N	4	1	R	4	1										☐
N	4	1																				
N	4	1																				
R	4	1																				
CAS <u>0 0 7 4 4 7 4 1 8</u> Trade Secret ☐ Chem. Name <u>LITHIUM CHLORIDE</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 4</u> Max. Daily Amount (code) <u>0 3</u> Avg. Daily Amount (code) <u>3 6 5</u> 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></tr> <tr><td>E</td><td>4</td><td>1</td></tr> <tr><td>M</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>1405; 2002; 9202; 9204-2E; 9204-4</u> <u>9720-2</u> <u>9204-2</u>	E	4	1	E	4	1	M	4	1										☐
E	4	1																				
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Tier Two
EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORYSpecific
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, 19 95☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>0 1 3 5 8 7 1 6 1</u> Trade Secret ☐ Chem. Name <u>LITHIUM DEUTERIDE</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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	<u>9201-5; 9204-2; 9720-46</u> <u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0 0 7 5 8 0 6 7 8</u> 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)	<u>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	<u>9201-5; 9204-2; 9720-46</u> <u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0 0 1 3 1 0 6 5 2</u> Trade Secret ☐ Chem. Name <u>LITHIUM 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>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>A 4 1</u> <u>D 4 1</u> <u> </u> <u> </u> <u> </u> <u> </u>	<u>9204-2; West Tank Farm</u> <u>9204-2</u> <u> </u> <u> </u> <u> </u>	☐

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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific</i> <i>Information</i> <i>by Chemical</i>	Facility Identification		Owner/Operator Name	
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CAS <u>0 0 1 3 0 9 4 8 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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> <u>9404-2</u>	<u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0 0 7 4 3 9 9 7 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 6</u> Max. Daily Amount (code) <u>0 6</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>M 4 1</u> <u>N 4 1</u> <u>9720-26</u> <u>9720-8</u>	<u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0 0 0 0 6 7 5 6 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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> <u>F 4 1</u> <u>F 4 1</u> <u>F 4 1</u> <u>F 4 2</u> <u>M 4 1</u> <u>9720-2; 9767-4</u> <u>9201-5; 9201-5E; 9204-2; 9204-2E</u> <u>9204-4; 9212; 9215; 9404-16</u> <u>9723-25</u> <u>9201-5N; 9212; 9215</u> <u>9201-5; 9204-2; 9204-4; 9207; 9215</u>	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	☐

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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific</i> <i>Information</i> <i>by Chemical</i>	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>3 4 9 9</u> Dun & Brad Number <u> </u> <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, 19 95☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																								
CAS <u>0 0 0 0 6 7 5 6 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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>M</td><td>4</td><td>1</td><td>9720-2; 9737; 9769; 9995</td></tr><tr><td>M</td><td>4</td><td>1</td><td>Union Valley Facility</td></tr><tr><td>N</td><td>4</td><td>1</td><td>9201-5E; 9208; 9401-3; 9720-2</td></tr><tr><td>N</td><td>4</td><td>1</td><td>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></table>	M	4	1	9720-2; 9737; 9769; 9995	M	4	1	Union Valley Facility	N	4	1	9201-5E; 9208; 9401-3; 9720-2	N	4	1	9723-25	N	4	2	9723-25	R	4	1	9720-2	☐
M	4	1	9720-2; 9737; 9769; 9995																									
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R	4	1	9720-2																									
CAS <u>0 0 7 6 9 7 3 7 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)	<u>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>A</td><td>4</td><td>1</td><td>9206; 9815</td></tr><tr><td>C</td><td>4</td><td>1</td><td>9206 / 2nd Floor / Room 100E</td></tr><tr><td>C</td><td>4</td><td>1</td><td>9212 / B-1 Wing / Penthouse</td></tr><tr><td>D</td><td>4</td><td>1</td><td>9204-3 / 2nd Floor</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9201-5 / 2nd Floor</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9201-5N / 1st Floor / Plating Shop</td></tr></table>	A	4	1	9206; 9815	C	4	1	9206 / 2nd Floor / Room 100E	C	4	1	9212 / B-1 Wing / Penthouse	D	4	1	9204-3 / 2nd Floor	M	4	1	9201-5 / 2nd Floor	M	4	1	9201-5N / 1st Floor / Plating Shop	☐
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CAS <u>0 0 7 6 9 7 3 7 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)	<u>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>M</td><td>4</td><td>1</td><td>9204-2E / 3rd Floor / Room 316</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9204-3 / 1st Floor</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9204-4 / 2nd Floor / Plating Shop</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9207 / 1st Floor / Room 7-1006</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9212 / E Wing / Room 1021</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9401-2 / Plating Shop / Annex</td></tr></table>	M	4	1	9204-2E / 3rd Floor / Room 316	M	4	1	9204-3 / 1st Floor	M	4	1	9204-4 / 2nd Floor / Plating Shop	M	4	1	9207 / 1st Floor / Room 7-1006	M	4	1	9212 / E Wing / Room 1021	M	4	1	9401-2 / Plating Shop / Annex	☐
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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 23, 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			Facility Identification			Owner/Operator Name								
Specific Information by Chemical			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>3 4 9 9</u> Dun & Brad Number <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <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>								
FOR OFFICIAL USE ONLY			ID # <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>								
Date Received <u> </u>														
Important: Read all instructions before completing form						Reporting Period From January 1 to December 31, 19 <u>95</u> ☐ Check if information below is identical to the information submitted last year.								
Chemical Description			Physical and Health Hazards			Inventory			Storage Codes and Locations (Non-Confidential)			Optional		
CAS <u>0 0 7 6 9 7 3 7 2</u> Trade Secret ☐			☒ Fire			<u>0 5</u> Max. Daily Amount (code)			<u>M 4 1</u> <u>9616-7; Union Valley Facility</u>					
Chem. Name <u>NITRIC ACID (cont'd)</u>			☒ Sudden Release of Pressure			<u>0 5</u> Avg. Daily Amount (code)								
Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS			☒ Reactivity			<u>3 6 5</u> No. of Days On-Site (days)								
EHS Name <u>NITRIC ACID</u>			☒ Immediate (acute)											
			☒ Delayed (chronic)											
CAS <u>0 0 7 7 2 7 3 7 9</u> Trade Secret ☐			☒ Fire			<u>0 5</u> Max. Daily Amount (code)			<u>A 7 2</u> <u>9977-1</u>					
Chem. Name <u>NITROGEN</u>			☒ Sudden Release of Pressure			<u>0 5</u> Avg. Daily Amount (code)			<u>L 4 2</u> <u>9201-2 / Weld Shops; 9201-3</u>					
Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS			☐ Reactivity			<u>3 6 5</u> No. of Days On-Site (days)			<u>L 4 2</u> <u>9204-2E; 9401-1; 9401-5; 9420; 9735</u>					
EHS Name <u> </u>			☐ Immediate (acute)						<u>L 4 2</u> <u>9737; 9769; 9808; 9995</u>					
			☐ Delayed (chronic)						<u>L 7 2</u> <u>9204-3; 9206 / NDA Lab; 9212 / NDA</u>					
CAS <u>0 0 7 7 8 2 4 4 7</u> Trade Secret ☐			☒ Fire			<u>0 4</u> Max. Daily Amount (code)			<u>A 7 2</u> <u>9723-25; 9738 / Foundry; 9977-1</u>					
Chem. Name <u>OXYGEN</u>			☒ Sudden Release of Pressure			<u>0 4</u> Avg. Daily Amount (code)			<u>L 4 2</u> <u>2002; 2005; 9201-2</u>					
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS			☐ Reactivity			<u>3 6 5</u> No. of Days On-Site (days)			<u>L 4 2</u> <u>9204-2 / Maintenance</u>					
EHS Name <u> </u>			☐ Immediate (acute)						<u>L 4 2</u> <u>9204-2E / 2nd Floor; 9215 / M Wing</u>					
			☐ Delayed (chronic)						<u>L 4 2</u> <u>9420; 9709 / Weld Test Shop; 9720-6</u>					
									<u>L 4 2</u> <u>9738 / Foundry; 9769; 9808</u>					
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>23</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					
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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 <i>Specific Information by Chemical</i>	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 4 9 9</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>	
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Reporting Period From January 1 to December 31, 19 95
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CAS <u> </u> Trade Secret ☐ Chem. Name <u>PETROLEUM OIL</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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>A 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>D 4 1</u>	<u>9201-3; 9204-2 / PV Room</u> <u>2002; 2005; 9201-1; 9201-5; 9201-5E</u> <u>9201-5N; 9201-5W; 9204-2; 9204-2E</u> <u>9204-4; 9206; 9208; 9211</u> <u>9212 / A Wing; 9212 / E Wing</u> <u>9215 / Basement; 9215 / M Wing</u>	☐
CAS <u> </u> Trade Secret ☐ Chem. Name <u>PETROLEUM OIL (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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>D 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>D 4 1</u> <u>E 4 1</u> <u>F 4 1</u>	<u>9401-2; 9709; 9712</u> <u>9714 / TSD Garage; 9720-2; 9727-4</u> <u>9767-1; 9767-11; 9767-13; 9767-3</u> <u>9808; 9998</u> <u>9714 / TSD Garage; 9720-2; 9977-1</u> <u>2002; 2005; 9201-1; 9201-3; 9201-5</u>	☐

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Chem. Name <u>PETROLEUM OIL (cont'd)</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>F</td><td>4</td><td>2</td><td>9401-1; 9404-1</td></tr><tr><td>M</td><td>4</td><td>1</td><td>9201-1; 9201-3; 9206; 9737</td></tr><tr><td>N</td><td>4</td><td>1</td><td>2002; 2005; 9201-3; 9201-5E</td></tr><tr><td>N</td><td>4</td><td>1</td><td>9201-5N; 9204-2; 9212 / E Wing</td></tr><tr><td>N</td><td>4</td><td>1</td><td>9215A; 9401-1; 9401-3; 9624</td></tr><tr><td>N</td><td>4</td><td>1</td><td>9714 / TSD Garage; 9808</td></tr></table>	F	4	2	9401-1; 9404-1	M	4	1	9201-1; 9201-3; 9206; 9737	N	4	1	2002; 2005; 9201-3; 9201-5E	N	4	1	9201-5N; 9204-2; 9212 / E Wing	N	4	1	9215A; 9401-1; 9401-3; 9624	N	4	1	9714 / TSD Garage; 9808	☐
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Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS	☐ 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>R</td><td>4</td><td>1</td><td>9201-3; 9767-13; 9998</td></tr><tr><td>R</td><td>4</td><td>2</td><td>9404-1</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	9201-3; 9767-13; 9998	R	4	2	9404-1																	☐
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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>R</td><td>4</td><td>1</td><td>9201-3; 9767-13; 9998</td></tr><tr><td>R</td><td>4</td><td>2</td><td>9404-1</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	9201-3; 9767-13; 9998	R	4	2	9404-1																	☐
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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 <i>Specific Information by Chemical</i>	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>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>		Name <u>Plant Shift Superintendent</u> Title <u> </u>	
	FOR OFFICIAL USE ONLY ID # <u> </u>		Phone (<u>423</u>) <u>574-7172</u> 24 Hr. Phone (<u>423</u>) <u>574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone (<u>423</u>) <u>576-1005</u> 24 Hr. Phone (<u>423</u>) <u>576-1005</u>	

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19 95
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																				
CAS <u>000074986</u> Trade Secret ☐ Chem. Name <u>PROPANE</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" style="width:100%; border-collapse: collapse;"> <tr><td>L</td><td>4</td><td>2</td><td>2005; 9201-1; 9201-2; 9201-3; 9219</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9401-1; 9420; 9709</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9714 / TSD Garage</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	L	4	2	2005; 9201-1; 9201-2; 9201-3; 9219	L	4	2	9401-1; 9420; 9709	L	4	2	9714 / TSD Garage									☐
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L	4	2	9401-1; 9420; 9709																					
L	4	2	9714 / TSD Garage																					
CAS <u>000057556</u> Trade Secret ☐ Chem. Name <u>PROPYLENE GLYCOL</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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>D</td><td>4</td><td>1</td><td>9201-5E; 9201-5N; 9206</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9212 / A Wing; 9212 / B-1 Wing</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9215 / M Wing; 9401-3; 9720-2</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9767-4; 9805</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	D	4	1	9201-5E; 9201-5N; 9206	D	4	1	9212 / A Wing; 9212 / B-1 Wing	D	4	1	9215 / M Wing; 9401-3; 9720-2	D	4	1	9767-4; 9805					☐
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D	4	1	9215 / M Wing; 9401-3; 9720-2																					
D	4	1	9767-4; 9805																					
CAS <u>007631905</u> Trade Secret ☐ Chem. Name <u>SODIUM BISULFITE</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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>E</td><td>4</td><td>1</td><td>9767-8</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>	E	4	1	9767-8													☐				
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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
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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific Information by Chemical</i>	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>	
	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>	

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Reporting Period From January 1 to December 31, 19 95
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																								
CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>4</u> <u>7</u> <u>1</u> <u>4</u> <u>5</u> Trade Secret ☐ Chem. Name <u>SODIUM CHLORIDE</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>5</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>B</td><td>4</td><td>1</td><td>9401-3</td></tr> <tr><td>H</td><td>4</td><td>1</td><td>9993</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>2007; 2010</td></tr> <tr><td>K</td><td>4</td><td>1</td><td>2007; 2010</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9769; 9995; Union Valley Facility</td></tr> </table>	B	4	1	9401-3	H	4	1	9993	J	4	1	2007; 2010	K	4	1	2007; 2010	N	4	1	9769; 9995; Union Valley Facility	☐				
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CAS <u>0</u> <u>0</u> <u>1</u> <u>3</u> <u>1</u> <u>0</u> <u>7</u> <u>3</u> <u>2</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>0</u> <u>5</u> Max. Daily Amount (code) <u>0</u> <u>5</u> Avg. Daily Amount (code) <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>1</td><td>1405; 9204-2</td></tr> <tr><td>C</td><td>4</td><td>1</td><td>9404-18; 9616-7</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9201-2; 9201-5N; 9204-4; 9206</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9401-2; 9805</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9206; 9401-2</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>West Tank Farm</td></tr> </table>	A	4	1	1405; 9204-2	C	4	1	9404-18; 9616-7	D	4	1	9201-2; 9201-5N; 9204-4; 9206	D	4	1	9401-2; 9805	E	4	1	9206; 9401-2	F	4	1	West Tank Farm	☐
A	4	1	1405; 9204-2																									
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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	
Specific Information by Chemical	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>3 4 9 9</u>		Dun & Brad Number <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>		Emergency Contact	
FOR OFFICIAL USE ONLY		ID # <u> </u>		Name <u>Plant Shift Superintendent</u> Title <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, 19 <u>95</u> ☐ Check if information below is identical to the information submitted last year.	
Chemical Description		Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>0 0 1 3 1 0 7 3 2</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>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>N 4 1</u> 9401-3; 9616-7; 9769; 9818; 9995 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0 0 7 6 8 1 5 2 9</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>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>E 4 1</u> 9409-10; 9409-12; 9409-13; 9409-15 <u>E 4 1</u> 9409-17; 9409-18; 9409-19; 9409-2 <u>E 4 1</u> 9409-20; 9409-22; 9409-22E; 9409-23 <u>E 4 1</u> 9409-24; 9409-26; 9409-29; 9409-32 <u>E 4 1</u> 9409-34; 9720-2 <u>N 4 1</u> 9769; 9995; Union Valley Facility	☐
CAS <u>0 0 7 6 8 1 5 2 9</u> Trade Secret ☐ Chem. Name <u>SODIUM HYPOCHLORITE (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 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<u>R 4 1</u> 9201-5N; 9204-4 <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	☐
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Chemical Description	Physical and Health Hazards <small>(check all that apply)</small>	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>0</u> <u>1</u> <u>6</u> <u>8</u> <u>9</u> <u>3</u> <u>8</u> <u>5</u> <u>9</u> Trade Secret ☐ Chem. Name <u>SODIUM SILICOFLOURIDE</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>J</u> <u>4</u> <u>1</u> ☐ <u> </u> <u> </u> <u> </u> ☐ <u> </u> <u> </u> <u> </u> ☐ <u> </u> <u> </u> <u> </u> ☐ <u> </u> <u> </u> <u> </u> ☐ <u> </u> <u> </u> <u> </u>	<u>1405</u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	☐
CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>6</u> <u>4</u> <u>9</u> <u>3</u> <u>9</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>0</u> <u>5</u> Max. Daily Amount (code) ☐ <u>0</u> <u>5</u> Avg. Daily Amount (code) ☐ <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	☐ <u>A</u> <u>4</u> <u>1</u> ☐ <u>A</u> <u>4</u> <u>1</u> ☐ <u>C</u> <u>4</u> <u>1</u> ☐ <u>C</u> <u>4</u> <u>1</u> ☐ <u>C</u> <u>4</u> <u>1</u> ☐ <u>E</u> <u>4</u> <u>1</u>	<u>9201-5 / Outside Tank</u> <u>9401-3 / Main Utilities Area</u> <u>9401-3; 9404-18</u> <u>9616-7 / West End Treatment</u> <u>9616-9</u> <u>9401-2 / Plating Shop / Annex</u>	☐
CAS <u>0</u> <u>0</u> <u>7</u> <u>6</u> <u>6</u> <u>4</u> <u>9</u> <u>3</u> <u>9</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID (cont'd)</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>0</u> <u>5</u> Max. Daily Amount (code) ☐ <u>0</u> <u>5</u> Avg. Daily Amount (code) ☐ <u>3</u> <u>6</u> <u>5</u> No. of Days On-Site (days)	☐ <u>E</u> <u>4</u> <u>1</u> ☐ <u>E</u> <u>4</u> <u>1</u> ☐ <u>E</u> <u>4</u> <u>1</u> ☐ <u>E</u> <u>4</u> <u>1</u> ☐ <u>E</u> <u>4</u> <u>1</u> ☐ <u>M</u> <u>4</u> <u>1</u>	<u>9409-10; 9409-12; 9409-13; 9409-15</u> <u>9409-17; 9409-18; 9409-19; 9409-2</u> <u>9409-20; 9409-22; 9409-22E; 9409-23</u> <u>9409-24; 9409-26; 9409-28; 9409-29</u> <u>9409-31; 9409-32; 9409-34; 9720-2</u> <u>1405; 2005; 9201-2</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 23, 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 <i>Specific Information by Chemical</i>	Facility Identification		Owner/Operator Name	
	Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>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>3 4 9 9</u> Dun & Brad Number <u> </u> <u> </u> <u> </u> <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</u>) <u>574-7172</u> 24 Hr. Phone (<u>423</u>) <u>574-7172</u>	
	Date Received <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>	
			Phone (<u>423</u>) <u>576-1005</u> 24 Hr. Phone (<u>423</u>) <u>576-1005</u>	

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19 95☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																		
CAS <u>0 0 7 6 6 4 9 3 9</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID (cont'd)</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>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr></table>	M	4	1	M	4	1	M	4	1	M	4	1	M	4	1	M	4	1	<u>9201-5N / 1st Floor / Room 133</u> <u>9204-2; 9204-2E / 3rd Floor</u> <u>9204-4 / 2nd Floor</u> <u>9206 / 2nd Floor / Room 100E; 9207</u> <u>9212 / B-1 Wing</u> <u>9401-2 / Plating Shop / Annex</u>	☐
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CAS <u>0 0 7 6 6 4 9 3 9</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID (cont'd)</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>0 5</u> Max. Daily Amount (code) <u>0 5</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>M</td><td>4</td><td>1</td></tr><tr><td>M</td><td>4</td><td>1</td></tr><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></table>	M	4	1	M	4	1	M	4	1	M	4	1	N	4	1	<u>9623 / CPCF - Laboratory; 9735</u> <u>9737; 9769 / 2nd Floor</u> <u>9769 / 3rd Floor; 9995 / 1st Floor</u> <u>Union Valley Facility</u> <u>9201-5; 9616-7 / Laboratory</u>	☐			
M	4	1																					
M	4	1																					
M	4	1																					
M	4	1																					
N	4	1																					
CAS <u>0 0 7 4 4 0 6 1 1</u> Trade Secret ☐ Chem. Name <u>URANIUM AND URANIUM 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 6</u> Max. Daily Amount (code) <u>0 6</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	<table border="1"><tr><td>R</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr><tr><td>R</td><td>4</td><td>1</td></tr></table>	R	4	1	R	4	1	R	4	1	R	4	1	R	4	1	R	4	1	<u>9119; 9201-2; 9201-4; 9201-5</u> <u>9201-5N; 9202; 9203; 9204-1; 9204-2</u> <u>9204-2E; 9204-3; 9204-4; 9206; 9207</u> <u>9212; 9215; 9401-4; 9401-5; 9710-2</u> <u>9711-1; 9720-1; 9720-12; 9720-18</u> <u>9720-3; 9720-5; 9735; 9769; 9825A</u>	☐
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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					
Specific Information by Chemical		Name <u>Oak Ridge Y-12 Plant</u>		Name <u>U.S. Department of Energy</u> Phone (<u>423</u>) <u>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>3 4 9 9</u> Dun & Brad Number <u> </u>		Name <u>Plant Shift Superintendent</u> Title <u> </u>		Phone (<u>423</u>) <u>574-7172</u> 24 Hr. Phone (<u>423</u>) <u>574-7172</u>					
FOR OFFICIAL USE ONLY		ID # <u> </u>		Name <u>DOE Emergency Response Center</u> Title <u> </u>					
Date Received <u> </u>		Phone (<u>423</u>) <u>576-1005</u>		24 Hr. Phone (<u>423</u>) <u>576-1005</u>					
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>95</u> ☐ Check if information below is identical to the information submitted last year.					
Chemical Description		Physical and Health Hazards		Inventory		Storage Codes and Locations (Non-Confidential)		Optional	
		(check all that apply)				Storage Locations			
CAS <u>0 0 7 4 4 0 6 1 1</u> Trade Secret ☐		☒ Fire		<u>0 6</u> Max. Daily Amount (code)		<u>R 4 1</u> <u>9980; 9983-17; 9995; 9998</u>			
Chem. Name <u>URANIUM AND URANIUM COMPOUNDS</u>		☐ Sudden Release of Pressure		<u>0 6</u> Avg. Daily Amount (code)					
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS		☒ Immediate (acute)		<u>3 6 5</u> No. of Days On-Site (days)					
EHS Name <u> </u>		☒ Delayed (chronic)							
CAS <u>0 0 0 0 5 7 1 3 6</u> Trade Secret ☐		☒ Fire		<u>0 5</u> Max. Daily Amount (code)		<u>E 4 1</u> <u>9206 / West Dock; 9219</u>			
Chem. Name <u>UREA</u>		☐ Sudden Release of Pressure		<u>0 4</u> Avg. Daily Amount (code)		<u>F 4 1</u> <u>9404-20</u>			
Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☐ Reactivity		<u>3 6 5</u> No. of Days On-Site (days)		<u>J 4 1</u> <u>9720-13; 9720-2; 9769; 9995</u>			
EHS Name <u> </u>		☒ Immediate (acute)				<u>J 4 1</u> <u>Union Valley Facility</u>			
		☒ Delayed (chronic)				<u>K 4 1</u> <u>West Tank Farm</u>			
CAS <u>0 0 0 0 5 7 1 3 6</u> Trade Secret ☐		☒ Fire		<u>0 5</u> Max. Daily Amount (code)		<u>N 4 1</u> <u>9616-7 / Laboratory</u>			
Chem. Name <u>UREA (cont'd)</u>		☐ Sudden Release of Pressure		<u>0 4</u> Avg. Daily Amount (code)					
Check all that apply: ☐ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☐ Reactivity		<u>3 6 5</u> No. of Days On-Site (days)					
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Date signed									