Y-12

Y/TS-1643

OAK RIDGE Y-12 PLANT

MARTIN MARIETTA

EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

R. A. Evans

K. J. Martin

Environmental Compliance
Organization

February 1997

MASTER

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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

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MANAGED BY
MARTIN MARIETTA ENERGY SYSTEMS, INC.
FOR THE UNITED STATES
DEPARTMENT OF ENERGY
UCN-13672 (2 10-90)

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

R. A. Evans
K. J. Martin

Environmental Compliance Organization

February 1997

Prepared by the
Oak Ridge Y-12 Plant
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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification		Owner/Operator Name		
	Name <u>US Doe Lockheed Martin Energy Systems 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>	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		Name <u>DOE Emergency Response Center</u> Title <u> </u>		Phone <u>(423) 576 1005</u> 24 Hr Phone <u>(423) 576 1005</u>	
ID # <u> </u>		Date Received <u> </u>			

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19 96Check 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>000064197</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>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	C 4 1 9616-7 / West End Treatment M 4 1 9201-5 / 2nd Floor / Arc Melt M 4 1 9202 / 1st Floor / Room 178 M 4 1 9203 / 1st floor / Room 50 M 4 1 9204-2E / 3rd Floor / Room 316 M 4 1 9204-3 / 1st Floor / Room 109	
CAS <u>000064197</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>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	M 4 1 9206 / 1st Floor; 9212 / Room 1014 M 4 1 9401-2 / Surface Coating M 4 1 9616-7 / Laboratory M 4 1 9624 / WETF Lab.; 9731 / 1st Floor M 4 1 9818 M 4 1 9417-8	☐
CAS <u>007440371</u> Trade Secret ☐ Chem. Name <u>ARGON</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>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	A 7 2 9977-1 / Gas Storage L 4 2 9201-3 L 4 2 9201-5 / 2nd Floor / Arc Melt; 9202 L 4 2 9203; 9204-1 / Maintenance Shop L 4 2 9204-2 / Maintenance L 4 2 9204-2E / 2nd Floor; 9204-3; 9206	☐

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.

Todd R. Butz, Y-12 Plant Manager

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

Facility Identification Name US Doe Lockheed Martin Energy Systems Y-12 Plant* Street Bear Creek Road City Oak Ridge County Anderson State TN Zip 37831 SIC Code 3499 Dun & Brad Number		Emergency Contact Name U.S. Department of Energy Mail Address P.O. Box 2001, Oak Ridge, TN 37831 Phone (423) 576 9850 Name Plant Shift Superintendent Phone (423) 574 7172 Title Name DOE Emergency Response Center Phone (423) 576 1005 Title 24 hr Phone (423) 576 1005	
Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical		Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 1996 Check if information below is identical to the information submitted last year	

Chemical Description	Physical and Health Hazards	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS 007440371 Chem. Name AR50N (cont'd) EHS Name Check all that apply: Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS ☒	Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily 05 Amount (code) 04 Avg. Daily 04 Amount (code) 04 No. of Days 365 On-Site (days) 5	1 4 2 9206 / West Dock 1 4 2 9212 / B-1 Wing / Maintenance Area 1 4 2 9212 / West side Cylinder Storage 1 4 2 9215 / M Wing 1 4 2 9215 / West side Cylinder Storage 1 4 2 9401-1; 9401-5; 9420		
CAS 007440371 Chem. Name AR50N (cont'd) EHS Name Check all that apply: Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS ☒	Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily 05 Amount (code) 04 Avg. Daily 04 Amount (code) 04 No. of Days 365 On-Site (days) 5	1 4 2 9616-7 / West End Treatment 1 4 2 9624 / Maintenance Shop 1 4 2 9709 / Weld Test Shop; 9720-13 1 4 2 9720-58 / Waste oil/Solvent Storage 1 4 2 9720-6 / Metal fab Shops 1 4 2 9723-25 / 1st floor / Maintenance		
CAS 007440371 Chem. Name AR50N (cont'd) EHS Name Check all that apply: Pure ☒ Mix ☒ Solid ☒ Liquid ☒ Gas ☒ EHS ☒	Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic) ☒	Max. Daily 05 Amount (code) 04 Avg. Daily 04 Amount (code) 04 No. of Days 365 On-Site (days) 5	1 4 2 9731 / 1st floor / Prototype Powder 1 4 2 9769; 9995; Union Valley Facility		

Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 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. Signature <i>APR 25</i> Date signed 2/25/97		Name and official title of owner/operator OR owner/operator's authorized representative Todd R. Buiz, Y-12 Plant Manager	
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>US Doe Lockheed Martin Energy Systems 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>			Name <u>Plant Shift Superintendent</u> Title <u> </u>		
FOR OFFICIAL USE ONLY			Phone <u>(423) 574 7172</u> 24 Hr Phone <u>(423) 574 7172</u>		
ID # <u> </u>			Name <u>DOE Emergency Response Center</u> Title <u> </u>		
Date Received <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>96</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)	
CAS <u>0 0 7 4 4 0 4 1 7</u> Trade Secret ☐		(check all that apply)		Storage Locations	
Chem. Name <u>BERYLLIUM & COMPOUNDS, AS BE</u>		☐ Fire	<u>0 4</u> Max. Daily Amount (code)	<u>D 4 1</u> 9201-5 / 1st Floor / Annex	
Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☒ Sudden Release of Pressure	<u>0 4</u> Avg. Daily Amount (code)	<u>J 4 1</u> 9203A / 1st Floor	
EHS Name <u> </u>		☒ Reactivity	<u>3 6 5</u> No. of Days On-Site (days)	<u>K 4 1</u> 9202 / 2nd Floor / Room 216	
		☒ Immediate (acute)		<u>N 4 1</u> 9203A / 1st Floor	
		☒ Delayed (chronic)		<u>R 4 1</u> 9203A / 1st Floor / Room 102A	
CAS <u>0 1 0 0 4 3 5 2 4</u> Trade Secret ☐		☐ Fire	<u>0 4</u> Max. Daily Amount (code)	<u>D 4 1</u> 9712	
Chem. Name <u>CALCIUM CHLORIDE</u>		☐ Sudden Release of Pressure	<u>0 4</u> Avg. Daily Amount (code)	<u>E 4 1</u> 9201-1; 9201-4; 9201-5	
Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS		☒ Reactivity	<u>3 6 5</u> No. of Days On-Site (days)	<u>E 4 1</u> 9204-3 / 1st Floor / Room 101	
EHS Name <u> </u>		☒ Immediate (acute)		<u>E 4 1</u> 9204-3 / 1st Floor / Room 109	
		☐ Delayed (chronic)		<u>E 4 1</u> 9738 / Foundry	
CAS <u>0 1 0 0 4 3 5 2 4</u> Trade Secret ☐		☐ Fire	<u>0 4</u> Max. Daily Amount (code)	<u>F 4 1</u> 9404-20	
Chem. Name <u>CALCIUM CHLORIDE (cont'd)</u>		☐ Sudden Release of Pressure	<u>0 4</u> Avg. Daily Amount (code)	<u>J 4 1</u> 9219 / Grounds and Roads Work Area	
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> 9831	
EHS Name <u> </u>		☒ Immediate (acute)		<u>M 4 1</u> 9202; 9769 / 3rd Floor / Room 308	
		☐ Delayed (chronic)		<u>N 4 1</u> 9203	
				<u>N 4 1</u> 9219 / Grounds and Roads Work Area	
				<u>N 4 1</u> 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>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	
Todd R. Butz, Y-12 Plant Manager				☐ I have attached a list of site coordinate abbreviations	
Name and official title of owner/operator OR owner/operator's authorized representative				☐ I have attached a description of dikes and other safeguard measures	
Signature <u>Todd R. Butz</u>				Date signed <u>2/25/97</u>	

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name <u>US Doe Lockheed Martin Energy Systems 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> <div style="border: 1px solid black; padding: 5px; 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 Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year			
	Chemical Description CAS <u>0 1 0 0 4 3 5 2 4</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>	Physical and Health Hazards (check all that apply) ☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	Inventory ☐ <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)	Storage Codes and Locations (Non-Confidential) Container Type <u>R</u> Temperature <u>4</u> Pressure <u>1</u> Storage Locations <u>9720-50</u> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></div>
CAS <u>0 0 1 3 0 5 6 2 0</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>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)	Container Type <u>D</u> Temperature <u>4</u> Pressure <u>1</u> Storage Locations <u>9983-AL</u> <u>F 4 1 9201-2; 9720-50</u> <u>H 4 1 9616-9; 9623</u> <u>J 4 1 9616-7 / West End Treatment</u> <u>M 4 1 9204-2 / 2nd Floor / ETA/DAP Area</u> <u>M 4 1 Union Valley Facility</u>	
CAS <u>0 0 1 3 0 5 6 2 0</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)	☐ <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)	Container Type <u>N</u> Temperature <u>4</u> Pressure <u>1</u> Storage Locations <u>9202; 9624 / WETF Lab.; 9995</u> <div style="border: 1px solid black; height: 100px; margin-top: 5px;"></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>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. <u>Todd R. Butz, Y-12 Plant Manager</u> Name and official title of owner/operator OR owner/operator's authorized representative			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	

* This report covers only the activities of Lockheed Martin Energy Systems, Inc., at the subject facility.

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific Information by Chemical</i>	Facility Identification Name <u>US Doe Lockheed Martin Energy Systems 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 		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 # Date Received 		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 96
☐ 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>007440440</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>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	C 4 1 9616-7 / Groundwater Treatment D 4 1 9204-2; 9206; 9404-9; 9720-19A D 4 1 9720-27; 9998 / H-1 Foundry E 4 1 9201-5; 9201-5N; 9204-2E F 4 1 9201-5; 9206; 9212; 9215; 9404-9 F 4 1 9720-5	☐	
CAS <u>007440440</u> Trade Secret ☐ Chem. Name <u>CARBON (GRAPHITE, SYNTHETIC)</u> (cont'd) 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)	I 4 1 9422 J 4 1 9616-7 / West Tank Farm K 4 1 9201-1; 9422 R 4 1 9720-1; 9720-8	☐	
CAS <u>000124389</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>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)	A 4 2 9710-2 / Outside Tank L 4 2 9204-2E / 2nd Floor; 9709; 9769 L 4 2 9995 / Basement Floor P 4 2 9710-2 / Outside Tanker	☐	

Certification (Read and sign after completing all sections)

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Todd R. Butz, Y-12 Plant Manager

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

Signature

Date signed

Optional Attachments

- ☐ I have attached a site plan
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	Name <u>US Doe Lockheed Martin Energy Systems 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>	Name <u>Plant Shift Superintendent</u> Title <u> </u>		
	FOR OFFICIAL USE ONLY	Phone <u>(423) 574 7172</u> 24 Hr Phone <u>(423) 574 7172</u>		
	ID # <u> </u>	Name <u>DOE Emergency Response Center</u> Title <u> </u>		
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Reporting Period From January 1 to December 31, 19 96
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Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential)	Optional																								
			Storage Locations																									
CAS <u>010028225</u> Trade Secret ☐ Chem. Name <u>FERRIC SULFATE</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>C</td><td>4</td><td>1</td><td>9616-7 / West End Treatment</td></tr> <tr><td>C</td><td>4</td><td>1</td><td>9623 / CPEF - Laboratory</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9201-4 / 1st Floor</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9202</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9624; 9731 / 2nd Floor</td></tr> </table>	C	4	1	9616-7 / West End Treatment	C	4	1	9623 / CPEF - Laboratory	E	4	1	9201-4 / 1st Floor	M	4	1	9202	N	4	1	9624; 9731 / 2nd Floor					
C	4	1	9616-7 / West End Treatment																									
C	4	1	9623 / CPEF - Laboratory																									
E	4	1	9201-4 / 1st Floor																									
M	4	1	9202																									
N	4	1	9624; 9731 / 2nd Floor																									
CAS <u>000076131</u> Trade Secret ☐ Chem. Name <u>FREON 113</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>C</td><td>4</td><td>1</td><td>9215</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9201-2; 9201-5; 9206 / West Dock</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9212 / E Wing; 9720-2</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9201-1; 9202; 9204-3 / Basement</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9709; 9712; 9720-2</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9202; 9207 / 5th Floor</td></tr> </table>	C	4	1	9215	D	4	1	9201-2; 9201-5; 9206 / West Dock	D	4	1	9212 / E Wing; 9720-2	F	4	1	9201-1; 9202; 9204-3 / Basement	F	4	1	9709; 9712; 9720-2	M	4	1	9202; 9207 / 5th Floor	
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Todd R. Butz, Y-12 Plant Manager

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>US Doe Lockheed Martin Energy Systems 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> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> FOR OFFICIAL USE ONLY ID # _____ Date Received _____ </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 _____ 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>																								
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CAS 007664393 Trade Secret Chem. Name HYDROGEN FLUORIDE Check all that apply: Pure Mix Solid Liquid Gas EHS EHS Name HYDROGEN FLUORIDE	Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)	Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)	Storage Locations	L M N	4 4 4
CAS 000067630 Trade Secret Chem. Name ISOPROPYL ALCOHOL Check all that apply: Pure Mix Solid Liquid Gas EHS EHS Name	Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)	Max. Daily Amount (code) Avg. Daily Amount (code) No. of Days On-Site (days)	Storage Locations	F F F M M M	4 4 4 4 4 4
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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name <u>US Doe Lockheed Martin Energy Systems 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> <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>																						
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	Chemical Description CAS <u>007447418</u> Trade Secret ☐ Chem. Name <u>LITHIUM CHLORIDE</u> Check all that apply: ☒ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name <u> </u>	Physical and Health Hazards (check all that apply) ☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Inventory <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> <th colspan="4">Storage Codes and Locations (Non-Confidential)</th> <th rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">Optional</th> </tr> <tr> <th>Container Type</th> <th>Temperature</th> <th>Pressure</th> <th>Storage Locations</th> </tr> <tr> <td>D</td> <td>4</td> <td>1</td> <td>9204-2</td> <td rowspan="3"></td> </tr> <tr> <td>E</td> <td>4</td> <td>1</td> <td>9202; 9204-2E; 9204-4; 9720-2</td> </tr> <tr> <td>M</td> <td>4</td> <td>1</td> <td>9204-2</td> </tr> </table>	Storage Codes and Locations (Non-Confidential)				Optional	Container Type	Temperature	Pressure	Storage Locations	D	4	1	9204-2		E	4	1	9202; 9204-2E; 9204-4; 9720-2	M	4	1
Storage Codes and Locations (Non-Confidential)				Optional																					
Container Type	Temperature	Pressure	Storage Locations																						
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E	4	1	9202; 9204-2E; 9204-4; 9720-2																						
M	4	1	9204-2																						
CAS <u>013587161</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>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> <th>Container Type</th> <th>Temperature</th> <th>Pressure</th> <th>Storage Locations</th> <th rowspan="2">Optional</th> </tr> <tr> <td>D</td> <td>4</td> <td>1</td> <td>9201-5; 9204-2; 9720-46</td> </tr> </table>	Container Type	Temperature	Pressure	Storage Locations	Optional	D	4	1	9201-5; 9204-2; 9720-46													
Container Type	Temperature	Pressure	Storage Locations	Optional																					
D	4	1	9201-5; 9204-2; 9720-46																						
CAS <u>007580678</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>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" style="width:100%; border-collapse: collapse;"> <tr> <th>Container Type</th> <th>Temperature</th> <th>Pressure</th> <th>Storage Locations</th> <th rowspan="2">Optional</th> </tr> <tr> <td>D</td> <td>4</td> <td>1</td> <td>9201-5; 9204-2; 9720-46</td> </tr> <tr> <td>F</td> <td>4</td> <td>1</td> <td>9202</td> <td rowspan="2"></td> </tr> <tr> <td>F</td> <td>4</td> <td>1</td> <td>9731 / 1st Floor / Prototype Powder</td> </tr> </table>	Container Type	Temperature	Pressure	Storage Locations	Optional	D	4	1	9201-5; 9204-2; 9720-46	F	4	1	9202		F	4	1	9731 / 1st Floor / Prototype Powder				
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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 <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. <u>Todd R. Butz, Y-12 Plant Manager</u> Name and official title of owner/operator OR owner/operator's authorized representative			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																						
Signature <u>ORB</u> Date signed <u>2/25/97</u>																									

* This report covers only the activities of Lockheed Martin Energy Systems, Inc., at the subject facility

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		Facility Identification		Owner/Operator Name	
Specific Information by Chemical	Name	US Doe Lockheed Martin Energy Systems Y-12 Plant*		Name	U.S. Department of Energy
	Street	Bear Creek Road		Phone	(423) 576 9850
	City	Dak Ridge	County	Anderson	State
	SIC Code	3499	Dun & Brad Number		
	FOR OFFICIAL USE ONLY		ID #		
			Date Received		
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 96					
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 001310652 Trade Secret	Fire Sudden Release of Pressure X Reactivity X Immediate (acute) X Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	A 4 1 9204-2; West Tank Farm D 4 1 9204-2		
Chem. Name LITHIUM HYDROXIDE					
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS					
EHS Name					
CAS 001309484 Trade Secret	Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 9204-2; 9404-2 H 4 1 9204-2 M 4 1 9204-3 N 4 1 9202; 9203; 9204-3		
Chem. Name MAGNESIUM OXIDE					
Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS					
EHS Name					
CAS 007439976 Trade Secret	Fire Sudden Release of Pressure Reactivity X Immediate (acute) X Delayed (chronic)	06 Max. Daily Amount (code) 06 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 4 1 9202; 9203; 9710-2; 9720-26 N 4 1 9201-2; 9208; 9720-8 N 4 1 9737 / 2nd Floor R 4 1 9212 / E Wing		
Chem. Name MERCURY METAL					
Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS					
EHS Name					
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 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.			☐ I have attached a site plan		
Todd R. Butz, Y-12 Plant Manager			☐ I have attached a list of site coordinate abbreviations		
Name and official title of owner/operator OR owner/operator's authorized representative			☐ I have attached a description of dikes and other safeguard measures		
Signature			Date signed 2/25/97		

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name <u>US Doe Lockheed Martin Energy Systems 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> <u> </u> <u> </u> <u> </u> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 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			
	Reporting Period From January 1 to December 31, 19 <u>96</u>		☐ 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	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</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>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</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>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</td></tr> </table>	D	4	1	9720-2; 9767-13; 9767-4	F	4	1	9201-1; 9201-3; 9201-5; 9201-5E	F	4	1	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	☐
D	4	1	9720-2; 9767-13; 9767-4																									
F	4	1	9201-1; 9201-3; 9201-5; 9201-5E																									
F	4	1	9204-2; 9204-2E; 9204-4; 9212; 9215																									
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F	4	2	9201-5N; 9212; 9215																									
M	4	1	9201-5; 9202; 9203; 9204-2; 9204-4																									
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" style="width:100%; border-collapse: collapse;"> <tr><td>M</td><td>4</td><td>1</td><td>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> <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	9207; 9215; 9720-2; 9737; 9769	M	4	1	9995; 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	☐
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N	4	2	9723-25																									
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" style="width:100%; border-collapse: collapse;"> <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	☐
A	4	1	9206; 9815																									
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Revised June 1990

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L	4	2	9995 / Basement Floor																										
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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>1</td><td>9201-3; 9204-2 / PV Room</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9201-1; 9201-5; 9201-5E; 9201-5N</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9201-5W; 9204-2; 9204-2E; 9204-4</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9206; 9208; 9211; 9212 / A Wing</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9212 / E Wing; 9215 / Basement</td></tr> <tr><td>D</td><td>4</td><td>1</td><td>9215 / M Wing; 9401-2; 9709; 9712</td></tr> </table>	A	4	1	9201-3; 9204-2 / PV Room	D	4	1	9201-1; 9201-5; 9201-5E; 9201-5N	D	4	1	9201-5W; 9204-2; 9204-2E; 9204-4	D	4	1	9206; 9208; 9211; 9212 / A Wing	D	4	1	9212 / E Wing; 9215 / Basement	D	4	1	9215 / M Wing; 9401-2; 9709; 9712	☐
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Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <i>Specific</i> <i>Information</i> <i>by Chemical</i>	Facility Identification Name <u>US Doe Lockheed Martin Energy Systems 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 		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>		FOR OFFICIAL USE ONLY ID # Date Received 																									
	Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u> ☐ Check if information below is identical to the information submitted last year																											
	Chemical Description CAS 0 0 7 6 6 4 9 3 9 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>	Physical and Health Hazards (check all that apply) ☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	Inventory 0 5 Max. Daily Amount (code) 0 5 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	Storage Codes and Locations (Non-Confidential) Container Type Temperature Pressure Storage Locations <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>M</td><td>4</td><td>1</td><td>9201-5N / 1st Floor / Room 133</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9204-2; 9204-2E / 3rd Floor</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9204-4 / 2nd Floor</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9206 / 2nd Floor / Room 100E; 9207</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9212 / B 1 Wing</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9401-2 / Plating Shop / Annex</td></tr> </table>	M	4	1	9201-5N / 1st Floor / Room 133	M	4	1	9204-2; 9204-2E / 3rd Floor	M	4	1	9204-4 / 2nd Floor	M	4	1	9206 / 2nd Floor / Room 100E; 9207	M	4	1	9212 / B 1 Wing	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 <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. <u>Todd R. Butz, Y-12 Plant Manager</u> Name and official title of owner/operator OR owner/operator's authorized representative				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																								

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CODE KEY

INVENTORY

Range Value	Weight Range in Pounds	
	From	To
01	0	99
02	100	999
03	1,000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 Billion	higher than 1 billion

TEMPERATURE AND PRESSURE

<u>Codes</u>	<u>Storage Conditions</u>
	(PRESSURE)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(TEMPERATURE)
4	Ambient temperature
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

STORAGE TYPES

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