Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

EMERGENCY PLANNING AND COMMUNITY

RIGHT-TO-KNOW ACT

SECTION 312 TIER TWO REPORT FORMS

RECEIVED

OCT 28 1997

OSTI

R. A. Evans

K. J. Martin

Environmental Compliance
Organization

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February 1997

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MASTER

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

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

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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

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Oak Ridge Y-12 Plant
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Tier Two**EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY**Specific
Information
by Chemical**Facility Identification**

Name Oak Ridge Y-12 Plant

Street Bear Creek Road

City Oak Ridge

County Anderson

State TN

Zip 37831

SIC Code 3499

Dun & Brad
Number**FOR
OFFICIAL
USE
ONLY**

ID #

Date Received

Owner/Operator Name

Name U.S. Department of Energy

Phone (423) 576 9850

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

Emergency Contact

Name Plant Shift Superintendent

Title

Phone (423) 574 7172

24 Hr. Phone (423) 574 7172

Name DOE Emergency Response Center

Title

Phone (423) 576-1005

24 Hr. Phone (423) 576-1005

Important: Read all instructions before completing form**Reporting Period**

From January 1 to December 31, 19 96

☐ Check if information below is identical to the information submitted last year.**Chemical Description****Physical
and Health
Hazards**

(check all that apply)

InventoryContainer
Type
Temperature
Pressure**Storage Codes and Locations
(Non-Confidential)****Storage Locations**

Optional

CAS 000064197 Trade Secret ☐

Chem. Name ACETIC ACID

Check all
that apply:☒☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

☒ Fire
☐ Sudden Release
of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)04 Max. Daily
Amount (code)04 Avg. Daily
Amount (code)365 No. of Days
On-Site (days)

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 000064197 Trade Secret ☐

Chem. Name ACETIC ACID (cont'd)

Check all
that apply:☒☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

☒ Fire
☐ Sudden Release
of Pressure
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☒ Immediate (acute)
☐ Delayed (chronic)04 Max. Daily
Amount (code)04 Avg. Daily
Amount (code)365 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
N	4	1	9417-8

CAS 007446700 Trade Secret ☐

Chem. Name ALUMINUM CHLORIDE

Check all
that apply:☐☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

☐ Fire
☐ Sudden Release
of Pressure
☒ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)04 Max. Daily
Amount (code)03 Avg. Daily
Amount (code)365 No. of Days
On-Site (days)

C	4	1	1405
M	4	1	9202 / 3rd Floor / Room 314
N	4	1	9203 / 1st floor / Room 428

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 25, 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 <u>Oak Ridge Y-12 Plant</u> Street <u>Bear Creek Road</u> City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u> SIC Code <u>3499</u> Dun & Brad Number <u> </u> <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>																																																																																												
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Tier Two**EMERGENCY
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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 9Dun & Brad
Number**FOR
OFFICIAL
USE
ONLY**

ID #

Date Received

Owner/Operator NameName U.S. Department of Energy Phone (423) 576 9850Mail Address P.O. Box 2001, Oak Ridge, TN 37831**Emergency Contact**Name Plant Shift Superintendent TitlePhone (423) 574-717224 Hr. Phone (423) 574-7172Name DOE Emergency Response Center TitlePhone (423) 576-100524 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.

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CAS <u>0 0 7 4 4 0 3 7 1</u> Trade Secret ☐ Chem. Name <u>ARGON (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 5</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-Site (days)	L 4 2 9731 / 1st Floor / Prototype Powder L 4 2 9769; 9995; Union Valley Facility	☐
CAS <u>0 0 7 4 4 0 4 1 7</u> Trade Secret ☐ Chem. Name <u>BERYLLIUM & COMPOUNDS, AS BE</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)	D 4 1 9201-5 / 1st Floor / Annex J 4 1 9203A / 1st Floor K 4 1 9202 / 2nd Floor / Room 216 N 4 1 9203A / 1st Floor R 4 1 9203A / 1st Floor / Room 102A	☐
CAS <u>0 1 0 0 4 3 5 2 4</u> Trade Secret ☐ Chem. Name <u>CALCIUM CHLORIDE</u> Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	<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)	D 4 1 9712 E 4 1 9201-1; 9201-4; 9201-5 E 4 1 9204-3 / 1st Floor / Room 101 E 4 1 9204-3 / 1st Floor / Room 109 E 4 1 9738 / Foundry F 4 1 9404-20	☐

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 25, 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 96☐ Check if information below is identical to the information submitted last year.**Chemical Description**CAS 0 1 0 0 4 3 5 2 4 Trade Secret ☐

Chem. Name CALCIUM CHLORIDE (cont'd)

Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name

**Physical
and Health
Hazards**

(check all that apply)

☐

Fire

☐

Sudden Release

☐

of Pressure

☐

Reactivity

☒

Immediate (acute)

☐

Delayed (chronic)

Inventory

0 4 Max. Daily Amount (code)

0 4 Avg. Daily Amount (code)

3 6 5 No. of Days On-Site (days)

Container
Type
Temperature
Pressure**Storage Codes and Locations
(Non-Confidential)****Storage Locations**

Optional

J	4	1	9219 / Grounds and Roads Work Area
J	4	1	9831
K	4	1	2009
M	4	1	9202; 9769 / 3rd Floor / Room 308
N	4	1	9203
N	4	1	9219 / Grounds and Roads Work Area

☐CAS 0 1 0 0 4 3 5 2 4 Trade Secret ☐

Chem. Name CALCIUM CHLORIDE (cont'd)

Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name

☐

Fire

☐

Sudden Release

☐

of Pressure

☐

Reactivity

☒

Immediate (acute)

☐

Delayed (chronic)

0 4 Max. Daily Amount (code)

0 4 Avg. Daily Amount (code)

3 6 5 No. of Days On-Site (days)

N	4	1	9995; Union Valley Facility
R	4	1	9720-50

☐CAS 0 0 1 3 0 5 6 2 0 Trade Secret ☐

Chem. Name CALCIUM HYDROXIDE

Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name

☐

Fire

☐

Sudden Release

☐

of Pressure

☐

Reactivity

☒

Immediate (acute)

☒

Delayed (chronic)

0 4 Max. Daily Amount (code)

0 4 Avg. Daily Amount (code)

3 6 5 No. of Days On-Site (days)

D	4	1	9983-AL
F	4	1	9201-2; 9720-50
H	4	1	9616-9; 9623
J	4	1	9616-7 / West End Treatment
M	4	1	9204-2 / 2nd Floor / ETA/DAP Area
M	4	1	Union Valley Facility

☐**Certification (Read and sign after completing all sections)**

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

Signature

Date signed

Optional Attachments

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

**Tier Two
EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY**Specific
Information
by Chemical**Facility Identification**

Name 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 96☐ Check if information below is identical to the information submitted last year.**Chemical Description****Physical
and Health
Hazards**

(check all that apply)

InventoryContainer
Type
Temperature
Pressure**Storage Codes and Locations
(Non-Confidential)****Storage Locations**

Optional

CAS 0 0 1 3 0 5 6 2 0 Trade Secret ☐Chem. Name CALCIUM HYDROXIDE (cont'd)Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name _____

☐ Fire
☐ Sudden Release
 of Pressure
☐ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

N	4	1	9202; 9624 / WETF Lab.; 9995

CAS 0 0 7 4 4 0 4 4 0 Trade Secret ☐Chem. Name CARBON (GRAPHITE, SYNTHETIC)Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name _____

☒ Fire
☐ Sudden Release
 of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

0 4 Max. Daily
Amount (code)
0 4 Avg. Daily
Amount (code)
3 6 5 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 0 0 7 4 4 0 4 4 0 Trade Secret ☐Chem. Name CARBON (GRAPHITE, SYNTHETIC)
(cont'd)Check all
that apply:☒

Pure

☐

Mix

☒

Solid

☐

Liquid

☐

Gas

☐

EHS

EHS Name _____

☒ Fire
☐ Sudden Release
 of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)

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

Certification (Read and sign after completing all sections)

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

Signature _____

Date signed _____

Optional Attachments

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

Revised June 1990

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>3499</u> Dun & Brad Number <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>		☐ Check if information below is identical to the information submitted last year.	
	Important: Read all instructions before completing form Reporting Period From January 1 to December 31, 19 <u>96</u>			

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional																								
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)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>2</td><td>9710-2 / Outside Tank</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>1405; 2005; 9204-2E / 2nd Floor</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9709; 9769; 9995 / Basement Floor</td></tr> <tr><td>P</td><td>4</td><td>2</td><td>9710-2 / Outside Tanker</td></tr> </table>	A	4	2	9710-2 / Outside Tank	L	4	2	1405; 2005; 9204-2E / 2nd Floor	L	4	2	9709; 9769; 9995 / Basement Floor	P	4	2	9710-2 / Outside Tanker	☐								
A	4	2	9710-2 / Outside Tank																									
L	4	2	1405; 2005; 9204-2E / 2nd Floor																									
L	4	2	9709; 9769; 9995 / Basement Floor																									
P	4	2	9710-2 / Outside Tanker																									
CAS <u>007782505</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>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>L</td><td>4</td><td>2</td><td>1404-2; 1405; 9204-1; 9737</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>	L	4	2	1404-2; 1405; 9204-1; 9737													☐								
L	4	2	1404-2; 1405; 9204-1; 9737																									
CAS <u>061790532</u> Trade Secret ☐ Chem. Name <u>DIATOMACEOUS EARTH</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>9206</td></tr> <tr><td>F</td><td>4</td><td>1</td><td>9201-5; 9204-2</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>2005; 9201-1 / Oil House; 9202</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>9212 / B-1 Wing; 9212 / C-1 Wing</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>9212 / E Wing; 9212 / Reduction</td></tr> <tr><td>J</td><td>4</td><td>1</td><td>9616-9; 9720-2</td></tr> </table>	E	4	1	9206	F	4	1	9201-5; 9204-2	J	4	1	2005; 9201-1 / Oil House; 9202	J	4	1	9212 / B-1 Wing; 9212 / C-1 Wing	J	4	1	9212 / E Wing; 9212 / Reduction	J	4	1	9616-9; 9720-2	☐
E	4	1	9206																									
F	4	1	9201-5; 9204-2																									
J	4	1	2005; 9201-1 / Oil House; 9202																									
J	4	1	9212 / B-1 Wing; 9212 / C-1 Wing																									
J	4	1	9212 / E Wing; 9212 / Reduction																									
J	4	1	9616-9; 9720-2																									

Certification (Read and sign after completing all sections)

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

Signature

Date signed

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

Tier Two**EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY**Specific
Information
by Chemical**Facility Identification**

Name 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 96☐ 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	Optional
CAS 0 6 1 7 9 0 5 3 2 Trade Secret ☐ Chem. Name DIATOMACEOUS EARTH (cont'd) Check all that apply: ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	0 4 Max. Daily Amount (code) 0 3 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	M 4 1 9207 N 4 1 9201-1 / 1st Floor / Oil Room	☐
CAS Trade Secret ☐ Chem. Name DIESEL FUEL NO. 2 Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	0 5 Max. Daily Amount (code) 0 5 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	A 4 1 1404-1; 1404-5; 2005 B 4 1 9714 / TSD Garage; 9754-3 D 4 1 9401-1 F 4 1 2001; 9720-50 N 4 1 9401-1 P 4 1 2005; 9712 / Tanker Truck	☐
CAS 0 1 0 0 2 8 2 2 5 Trade Secret ☐ Chem. Name FERRIC SULFATE Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	0 4 Max. Daily Amount (code) 0 4 Avg. Daily Amount (code) 3 6 5 No. of Days On-Site (days)	C 4 1 9616-7 / West End Treatment C 4 1 9623 / CPCF - Laboratory E 4 1 9201-4 / 1st Floor M 4 1 9202 N 4 1 9624; 9731 / 2nd Floor	☐

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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

Revised June 1990

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
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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

(check all that apply)

Inventory

Container
Type
Temperature
Pressure

Storage Codes and Locations (Non-Confidential)

Storage Locations

Optional

CAS 0 0 0 0 7 6 1 3 1 Trade Secret

Chem. Name FREON 113

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

EHS Name

☐ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

C 4 1 9215
D 4 1 9201-2; 9201-5; 9206 / West Dock
D 4 1 9212 / E Wing; 9720-2
F 4 1 9201-1; 9202
F 4 1 9204-3 / Basement / Room 11; 9709
F 4 1 9720-2

CAS 0 0 0 0 7 6 1 3 1 Trade Secret

Chem. Name FREON 113 (cont'd)

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

EHS Name

☐ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

F 4 2 9712
M 4 1 9202; 9207 / 5th Floor
M 4 1 9207 / 4th Floor; 9769 / 3rd Floor
M 4 1 9995 / Basement Floor
M 4 1 9995 / 1st Floor
M 4 2 9204-1 / 1st Floor / Red Shop

CAS 0 0 0 0 7 6 1 3 1 Trade Secret

Chem. Name FREON 113 (cont'd)

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

EHS Name

☐ Fire
☐ Sudden Release of Pressure
☐ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

N 4 1 9103 / 1st Floor; 9203

Certification (Read and sign after completing all sections)

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

Signature

Date signed

Optional Attachments

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

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY			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> <u> </u> <u> </u>			Name <u>Plant Shift Superintendent</u> Title <u> </u>			Name <u>DOE Emergency Response Center</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 <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)			Optional
									Container Type Temperature Pressure			Storage Locations
CAS <u>0 0 0 0 7 5 7 1 8</u> Trade Secret ☐			☒ 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>L 4 2</u> 9201-1; 9201-3; 9201-5N <u>L 4 2</u> 9204-1 / Dock 119; 9204-2E; 9204-4 <u>L 4 2</u> 9712; 9714 / TSD Garage; 9737 <u>L 4 2</u> 9808 / Refrigeration Shop; 9959 <u>L 4 2</u> 9981			
Chem. Name <u>FREON 12</u>												
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS												
EHS Name <u> </u>												
CAS <u>0 0 0 0 7 5 4 5 6</u> Trade Secret ☐			☒ 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>F 4 2</u> 9203; 9737 <u>L 4 2</u> 9201-3; 9208; 9420; 9720-8; 9737 <u>L 4 2</u> 9808 / Refrigeration Shop; 9959			
Chem. Name <u>FREON 22</u>												
Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS												
EHS Name <u> </u>												
CAS <u>0 0 0 0 7 5 6 9 4</u> Trade Secret ☐			☐ 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> 9201-5E <u>D 4 1</u> 9720-2 / Bay 40 Oil storage <u>F 4 1</u> 9203 / 1st floor / Room 45 - TEM			
Chem. Name <u>FREON(R) 11</u>												
Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS												
EHS Name <u> </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>25</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
INVENTORYSpecific
Information
by Chemical**Facility Identification**Name Oak Ridge Y-12 PlantStreet Bear Creek RoadCity Oak Ridge County Anderson State TN Zip 37831SIC Code 3499Dun & Brad
Number**FOR
OFFICIAL
USE
ONLY**

ID #

Date Received

Owner/Operator NameName U.S. Department of Energy Phone (423) 576 9850Mail Address P.O. Box 2001, Oak Ridge, TN 37831**Emergency Contact**Name Plant Shift Superintendent TitlePhone (423) 574-717224 Hr. Phone (423) 574-7172Name DOE Emergency Response Center TitlePhone (423) 576-100524 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**
(check all that apply)**Inventory**Container
Type
Temperature
Pressure**Storage Codes and Locations
(Non-Confidential)****Storage Locations****Optional**CAS Trade Secret ☐Chem. Name GASOLINE, UNLEADEDCheck 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)

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

CAS Trade Secret ☐Chem. Name GASOLINE, UNLEADED (cont'd)Check all
that apply:☐☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

- ☒ Fire
- ☐ Sudden Release of Pressure
- ☐ Reactivity
- ☒ Immediate (acute)
- ☒ Delayed (chronic)

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

F	4	1
F	4	1
F	4	1
P	4	1

9714; 9720-41; 9720-6; 9808; 9828-6

9983; Sanitary Landfill #6

West Tank Farm

2005; 9712

CAS Trade Secret ☐Chem. Name HELIUMCheck 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)

L	4	2
L	4	2
L	4	2
L	4	2
L	4	2
L	4	2

9201-1; 9201-2; 9201-3; 9201-5N

9202; 9203; 9204-1 / Dock 119

9204-2 / Maintenance; 9204-2E; 9206

9404-1; 9616-7; 9709; 9720-13

9720-6; 9723-25; 9769; 9959; 9995

9998

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 25, 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
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 96☐ Check if information below is identical to the information submitted last year.**Chemical Description**CAS 0 0 7 4 4 0 5 9 7 Trade Secret ☐Chem. Name HELIUM (cont'd)Check all
that apply:☒☒☐☐☒☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name **Physical
and Health
Hazards**

(check all that apply)

☐ Fire
☒ Sudden Release
 of Pressure
☐ Reactivity
☐ Immediate (acute)
☐ Delayed (chronic)

Inventory

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

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

Container
Type
Temperature
Pressure

Q	4	2	9977-1 / Gas Storage
---	---	---	----------------------

Optional
☐CAS 0 0 7 6 4 7 0 1 0 Trade Secret ☐Chem. Name HYDROCHLORIC ACIDCheck all
that apply:☒☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

☒ Fire
☒ Sudden Release
 of Pressure
☒ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

A	4	1	9204-2 / Tank
D	4	1	9201-5
E	4	1	9201-4
F	4	1	9404-5
M	4	1	1405; 9201-5; 9202; 9203
M	4	1	9204-2E / 3rd Floor; 9204-3

Optional
☐CAS 0 0 7 6 4 7 0 1 0 Trade Secret ☐Chem. Name HYDROCHLORIC ACID (cont'd)Check all
that apply:☒☒☐☒☐☐

Pure

Mix

Solid

Liquid

Gas

EHS

EHS Name

☒ Fire
☒ Sudden Release
 of Pressure
☒ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

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

M	4	1	9206 / 2nd Floor / Room 100E; 9207
M	4	1	9212 / E Wing / Room 1021
M	4	1	9401-3 / 1st Floor
M	4	1	9616-7 / Laboratory; 9720-2; 9731
M	4	1	9737 / 1st Floor / Room 9; 9769
M	4	1	9995; Union Valley Facility

Optional
☐**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 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

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

Signature

Date signed

Optional Attachments

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

Revised June 1990

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576 9850	
	Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831	
	City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact	
FOR OFFICIAL USE ONLY ID # Date Received	SIC Code 3499 Dun & Brad Number		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 (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	L 4 1 9720-40 M 4 1 9201-5N; 9204-3; 9204-4 M 4 1 9212 / E Wing / Room 1021; 9720-2 N 4 1 9202; 9204-2E / 3rd Floor; 9204-3 N 4 1 9995; Union Valley Facility	☐
CAS 0000067630 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)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	F 4 1 9201-1; 9201-5; 9201-5N; 9204-2 F 4 1 9204-2E / 3rd Floor / Room 309 F 4 1 9208; 9720-8 M 4 1 9103; 9202; 9206 M 4 1 9616-7 / Laboratory; 9720-2; 9720-8 M 4 1 9737	☐
CAS 0000067630 Trade Secret Chem. Name ISOPROPYL ALCOHOL (cont'd) Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	N 4 1 9204-2E / 3rd Floor / Room 311 N 4 1 9207; 9212 / B-1 Wing N 4 1 9212 / E Wing; 9401-1; 9720-2 N 4 1 9723-25; 9737; 9738 N 4 1 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 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.			Optional Attachments ☐ I have attached a site plan ☐ I have attached a list of site coordinate abbreviations ☐ I have attached a description of dikes and other safeguard measures	
Name and official title of owner/operator OR owner/operator's authorized representative			Signature Date signed	

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <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>3499</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) <i>Storage Locations</i>	Optional																
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>	☐ 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>9204-2</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>1405; 2002; 9202; 9204-2E; 9204-4</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9720-2</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9204-2</td></tr> </table>	D	4	1	9204-2	E	4	1	1405; 2002; 9202; 9204-2E; 9204-4	E	4	1	9720-2	E	4	1	9204-2	☐
D	4	1	9204-2																	
E	4	1	1405; 2002; 9202; 9204-2E; 9204-4																	
E	4	1	9720-2																	
E	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><td>D</td><td>4</td><td>1</td><td>9201-5; 9204-2; 9720-46</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>	D	4	1	9201-5; 9204-2; 9720-46													☐
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><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></tr> <tr><td>F</td><td>4</td><td>1</td><td>9731 / 1st Floor / Prototype Powder</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	D	4	1	9201-5; 9204-2; 9720-46	F	4	1	9202	F	4	1	9731 / 1st Floor / Prototype Powder					☐
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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Name and official title of owner/operator OR owner/operator's authorized representative Signature Date signed

Optional Attachments

☐ I have attached a site plan

☐ I have attached a list of site coordinate abbreviations

☐ I have attached a description of dikes and other safeguard measures

Revised June 1990

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 4 9 9</u> Dun & Brad Number <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u>		Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u>	
	FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Emergency Contact Name <u>Plant Shift Superintendent</u> Title <u> </u> Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u> Name <u>DOE Emergency Response Center</u> Title <u> </u> Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u>	

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 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>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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>1</td></tr> <tr><td>D</td><td>4</td><td>1</td></tr> </table>	A	4	1	D	4	1	<u>9204-2; West Tank Farm</u> <u>9204-2</u> 	☐						
A	4	1															
D	4	1															
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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>D</td><td>4</td><td>1</td></tr> <tr><td>H</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>	D	4	1	H	4	1	M	4	1	N	4	1	<u>9204-2; 9404-2</u> <u>9204-2</u> <u>9204-3</u> <u>9202; 9203; 9204-3</u> 	☐
D	4	1															
H	4	1															
M	4	1															
N	4	1															
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)	<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> </table>	M	4	1	N	4	1	N	4	1	R	4	1	<u>9202; 9203; 9710-2; 9720-26</u> <u>9201-2; 9208; 9720-8</u> <u>9737 / 2nd Floor</u> <u>9212 / E Wing</u> 	☐
M	4	1															
N	4	1															
N	4	1															
R	4	1															

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

Signature

Date signed

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
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 3499 Dun & Brad Number**FOR
OFFICIAL
USE
ONLY**

ID #

Date Received

Owner/Operator Name

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

Emergency Contact

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

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 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	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS 000067561 Trade Secret ☐ Chem. Name MEIHANOL Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	D 4 1 920-2; 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	☐
CAS 000067561 Trade Secret ☐ Chem. Name MEIHANOL (cont'd) Check all that apply: ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name	☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	M 4 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	☐
CAS 007697372 Trade Secret ☐ Chem. Name NITRIC ACID Check all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name NITRIC ACID	☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-Site (days)	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	☐

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 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

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

Signature

Date signed

Optional Attachments

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

Tier Two**EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY**Specific
Information
by Chemical**Facility Identification**

Name Oak Ridge Y-12 Plant

Street Bear Creek Road

City Oak Ridge County Anderson State TN Zip 37831

SIC Code 3499

Dun & Brad

Number

**FOR
OFFICIAL
USE
ONLY**

ID #

Date Received

Owner/Operator Name

Name U.S. Department of Energy

Phone (423) 576-9850

Mall 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 96

☐ Check if information below is identical to the information submitted last year.**Chemical Description**CAS 007697372 Trade Secret ☐

Chem. Name NITRIC ACID (cont'd)

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

EHS Name NITRIC ACID

**Physical
and Health
Hazards**

(check all that apply)

- ☒ Fire
☒ Sudden Release
of Pressure
☒ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

Inventory05 Max. Daily
Amount (code)05 Avg. Daily
Amount (code)365 No. of Days
On-Site (days)Container
Type
Temperature
Pressure**Storage Codes and Locations
(Non-Confidential)****Storage Locations**

M	4	1	9202; 9203
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

Optional

CAS 007697372 Trade Secret ☐

Chem. Name NITRIC ACID (cont'd)

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

EHS Name NITRIC ACID

- ☒ Fire
☒ Sudden Release
of Pressure
☒ Reactivity
☒ Immediate (acute)
☒ Delayed (chronic)

05 Max. Daily
Amount (code)05 Avg. Daily
Amount (code)365 No. of Days
On-Site (days)

M	4	1	9401-2 / Plating Shop / Annex
M	4	1	9616-7; 9731; 9769; 9995
M	4	1	Union Valley Facility
N	4	1	9769; 9995

CAS 007727379 Trade Secret ☐

Chem. Name NITROGEN

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

EHS Name

- ☐ Fire
☒ Sudden Release
of Pressure
☐ Reactivity
☐ Immediate (acute)
☐ Delayed (chronic)

05 Max. Daily
Amount (code)05 Avg. Daily
Amount (code)365 No. of Days
On-Site (days)

A	7	2	9977-1
L	4	2	9201-2 / Weld Shops; 9201-3
L	4	2	9204-2E; 9401-1; 9401-5; 9420; 9735
L	4	2	9737; 9738; 9769; 9808; 9995
L	7	2	9204-3; 9206; 9212

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 25, 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		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>		Name <u>Plant Shift Superintendent</u> Title <u> </u>		
		FOR OFFICIAL USE ONLY ID # <u> </u> Date Received <u> </u>		Phone <u>(423) 574-7172</u> 24 Hr. Phone <u>(423) 574-7172</u>		
				Name <u>DOE Emergency Response Center</u> Title <u> </u>		
				Phone <u>(423) 576 1005</u> 24 Hr. Phone <u>(423) 576 1005</u>		
Important: Read all instructions before completing form				Reporting Period From January 1 to December 31, 19 <u>96</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 7 7 8 2</u> <u>4 4</u> <u>7</u> Trade Secret ☐ Chem. Name <u>OXYGEN</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 7 2</u> <u>L 4 2</u> <u>L 4 2</u> <u>L 4 2</u> <u>L 4 2</u> <u>L 4 2</u>	<u>9723-25; 9738 / Foundry; 9977-1</u> <u>2002; 2005; 9201-2</u> <u>9204-2 / Maintenance</u> <u>9204-2E / 2nd Floor; 9215 / M Wing</u> <u>9420; 9709 / Weld Test Shop; 9720-6</u> <u>9738 / Foundry; 9769; 9808</u>	☐
CAS <u>0 0 7 7 8 2</u> <u>4 4</u> <u>7</u> Trade Secret ☐ Chem. Name <u>OXYGEN (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>L 4 2</u>	<u>9995 / Basement Floor</u>	☐
CAS <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <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>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>	☐
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>25</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		Facility Identification		Owner/Operator Name					
Specific Information by Chemical		Name Oak Ridge Y-12 Plant		Name U.S. Department of Energy Phone (423) 576 9850					
		Street Bear Creek Road		Mail Address P.O. Box 2001, Oak Ridge, TN 37831					
		City Oak Ridge County Anderson State TN Zip 37831		Emergency Contact					
SIC Code 3499 Dun & Brad Number		Name Plant Shift Superintendent Title		Phone (423) 574 7172 24 Hr. Phone (423) 574 7172					
FOR OFFICIAL USE ONLY		ID #		Name DOE Emergency Response Center Title					
		Date Received		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	
						Container Type Temperature Pressure			
CAS 15870-9-1 Trade Secret		Fire		04 Max. Daily Amount (code)		D 4 1 9401-2; 9709; 9712			
Chem. Name PETROLEUM OIL (cont'd)		Sudden Release of Pressure		04 Avg. Daily Amount (code)		D 4 1 9714 / TSD Garage; 9720-2; 9727-4			
Check all that apply: Pure Mix Solid Liquid Gas EHS		Reactivity		04 No. of Days On-Site (days)		D 4 1 9767-1; 9767-11; 9767-13; 9767-3			
EHS Name		X Immediate (acute)				D 4 1 9808; 9998			
		X Delayed (chronic)				E 4 1 9714 / TSD Garage; 9720-2; 9977-1			
						F 4 1 2002; 2005; 9201-1; 9201-3; 9201-5			
CAS 15870-9-1 Trade Secret		Fire		04 Max. Daily Amount (code)		F 4 1 9204-1; 9204-2; 9204-2E; 9204-4			
Chem. Name PETROLEUM OIL (cont'd)		Sudden Release of Pressure		04 Avg. Daily Amount (code)		F 4 1 9207; 9208; 9212 / A Wing			
Check all that apply: Pure Mix Solid Liquid Gas EHS		Reactivity		04 No. of Days On-Site (days)		F 4 1 9212 / B Wing; 9212 / E Wing			
EHS Name		X Immediate (acute)				F 4 1 9404-16; 9404-20; 9616-9; 9712			
		X Delayed (chronic)				F 4 1 9714 / TSD Garage; 9723-21; 9723-25			
						F 4 1 9737; 9998			
CAS 15870-9-1 Trade Secret		Fire		04 Max. Daily Amount (code)		F 4 2 9401-1; 9404-1			
Chem. Name PETROLEUM OIL (cont'd)		Sudden Release of Pressure		04 Avg. Daily Amount (code)		M 4 1 9201-1; 9201-3; 9206; 9737			
Check all that apply: Pure Mix Solid Liquid Gas EHS		Reactivity		04 No. of Days On-Site (days)		N 4 1 2002; 2005; 9201-3; 9201-5E			
EHS Name		X Immediate (acute)				N 4 1 9201-5N; 9204-2; 9212 / E Wing			
		X Delayed (chronic)				N 4 1 9215A; 9401-1; 9401-3; 9624			
						N 4 1 9714 / TSD Garage; 9808			
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 25, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.								☐ I have attached a site plan	
Name and official title of owner/operator OR owner/operator's authorized representative								☐ I have attached a list of site coordinate abbreviations	
Signature								☐ I have attached a description of dikes and other safeguard measures	
Date signed									

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY		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 [][]-[][][][][] <div style="float: right; width: 40%;"> Owner/Operator Name Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u> Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u> </div>																													
Specific Information by Chemical <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> FOR OFFICIAL USE ONLY ID # _____ Date Received _____ </div>		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>																													
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 <small>(Non-Confidential)</small> Storage Locations																												
CAS [][][][][][][][][][][][][][][][] Trade Secret ☐ Chem. Name <u>PETROLEUM OIL (cont'd)</u> <small>Check all that apply:</small> ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS EHS Name _____	☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="4"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="4"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Container Type</th> <th>Temperature</th> <th>Pressure</th> <th></th> </tr> </thead> <tbody> <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> </tbody> </table>	Container Type	Temperature	Pressure		R	4	1	9201-3; 9767-13; 9998	R	4	2	9404-1																
Container Type	Temperature	Pressure																													
R	4	1	9201-3; 9767-13; 9998																												
R	4	2	9404-1																												
CAS <u>0 0 0 0 7 4 9 8 6</u> Trade Secret ☐ Chem. Name <u>PROPANE</u> <small>Check all that apply:</small> ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name _____	☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="4"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="4"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>L</th> <th>4</th> <th>2</th> <th></th> </tr> </thead> <tbody> <tr><td>L</td><td>4</td><td>2</td><td>2005; 9201-1; 9201-2; 9201-3</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9201-5; 9202; 9203; 9204-1; 9204-3</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9206; 9212; 9219; 9401-1; 9401-3</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9404-5; 9404-9; 9420; 9709</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9714 / TSD Garage; 9720-6; 9723-21</td></tr> <tr><td>L</td><td>4</td><td>2</td><td>9737; 9766; 9808; 9824-5; 9959</td></tr> </tbody> </table>	L	4	2		L	4	2	2005; 9201-1; 9201-2; 9201-3	L	4	2	9201-5; 9202; 9203; 9204-1; 9204-3	L	4	2	9206; 9212; 9219; 9401-1; 9401-3	L	4	2	9404-5; 9404-9; 9420; 9709	L	4	2	9714 / TSD Garage; 9720-6; 9723-21	L	4	2	9737; 9766; 9808; 9824-5; 9959
L	4	2																													
L	4	2	2005; 9201-1; 9201-2; 9201-3																												
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L	4	2	9737; 9766; 9808; 9824-5; 9959																												
CAS <u>0 0 0 0 7 4 9 8 6</u> Trade Secret ☐ Chem. Name <u>PROPANE (cont'd)</u> <small>Check all that apply:</small> ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☒ Gas ☐ EHS EHS Name _____	☒ Fire ☒ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)	<input type="text" value="0"/> <input type="text" value="4"/> Max. Daily Amount (code) <input type="text" value="0"/> <input type="text" value="4"/> Avg. Daily Amount (code) <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="5"/> No. of Days On-Site (days)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>L</th> <th>4</th> <th>2</th> <th></th> </tr> </thead> <tbody> <tr><td>L</td><td>4</td><td>2</td><td>9996; 9998</td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	L	4	2		L	4	2	9996; 9998																				
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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
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 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 0 0 0 0 5 7 5 5 6 Trade Secret ☐

Chem. Name PROPYLENE GLYCOL

Check all
that apply:☒

Pure

☐

Mix

☐

Solid

☒

Liquid

☐

Gas

☐

EHS

EHS Name

☒ Fire
☐ Sudden Release
of Pressure
☐ Reactivity
☐ Immediate (acute)
☐ Delayed (chronic)0 4 Max. Daily
Amount (code)0 3 Avg. Daily
Amount (code)3 6 5 No. of Days
On-Site (days)

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; 9805-1; 9998
F	4	1	9202 / 3rd Floor; 9712
M	4	1	9202 / 2nd Floor

CAS 0 0 0 0 5 7 5 5 6 Trade Secret ☐

Chem. Name PROPYLENE GLYCOL (cont'd)

Check all
that apply:☒

Pure

☐

Mix

☐

Solid

☒

Liquid

☐

Gas

☐

EHS

EHS Name

☒ Fire
☐ Sudden Release
of Pressure
☐ Reactivity
☐ Immediate (acute)
☐ Delayed (chronic)0 4 Max. Daily
Amount (code)0 3 Avg. Daily
Amount (code)3 6 5 No. of Days
On-Site (days)

N	4	1	9202 / 1st Floor

CAS 0 0 7 6 3 1 9 0 5 Trade Secret ☐

Chem. Name SODIUM BISULFITE

Check all
that apply:☐

Pure

☒

Mix

☒

Solid

☒

Liquid

☐

Gas

☐

EHS

EHS Name

☐ Fire
☐ Sudden Release
of Pressure
☐ Reactivity
☒ Immediate (acute)
☐ Delayed (chronic)0 4 Max. Daily
Amount (code)0 3 Avg. Daily
Amount (code)3 6 5 No. of Days
On-Site (days)

A	4	1	9417-8; 9417-9
E	4	1	9767-8
M	4	1	9202 / 2nd Floor / Room 215

Certification (Read and sign after completing all sections)

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

Signature

Date signed

Optional Attachments

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

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY <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> <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>		
	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 # <u> </u> Date Received <u> </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 7 6 4 7 1 4 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 6</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>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</td></tr> <tr><td>K</td><td>4</td><td>1</td><td>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	K	4	1	2010	N	4	1	9769; 9995; Union Valley Facility	☐				
B	4	1	9401-3																									
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CAS <u>0 0 1 3 1 0 7 3 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 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>1404-2; 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	1404-2; 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	1404-2; 1405; 9204-2																									
C	4	1	9404-18; 9616-7																									
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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)	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>J</td><td>4</td><td>1</td><td>9401-3; 9720-2</td></tr> <tr><td>K</td><td>4</td><td>1</td><td>9720-13</td></tr> <tr><td>M</td><td>4</td><td>1</td><td>9206; 9212; 9805</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9104-3; 9109; 9115; 9116; 9119</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9201-1; 9201-2; 9201-3; 9201-5</td></tr> <tr><td>N</td><td>4</td><td>1</td><td>9204-2; 9204-2E; 9204-3; 9207</td></tr> </table>	J	4	1	9401-3; 9720-2	K	4	1	9720-13	M	4	1	9206; 9212; 9805	N	4	1	9104-3; 9109; 9115; 9116; 9119	N	4	1	9201-1; 9201-2; 9201-3; 9201-5	N	4	1	9204-2; 9204-2E; 9204-3; 9207	☐
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Optional Attachment:

☐ 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 Oak Ridge Y-12 Plant			Name U.S. Department of Energy Phone (423) 576 9850					
			Street Bear Creek Road			Mail Address P.O. Box 2001, Oak Ridge, TN 37831					
			City Oak Ridge County Anderson State TN Zip 37831			Emergency Contact					
SIC Code 3499 Dun & Brad Number			Name Plant Shift Superintendent Title			Phone (423) 574-7172 24 Hr. Phone (423) 574-7172					
FOR OFFICIAL USE ONLY			ID #			Name DOE Emergency Response Center Title					
			Date Received			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)		
CAS 001310732 Trade Secret			Fire Sudden Release of Pressure			05 Max. Daily Amount (code)			N 4 1 9401-3; 9616-7; 9769; 9818; 9995		
Chem. Name SODIUM HYDROXIDE (cont'd)			X Reactivity			05 Avg. Daily Amount (code)					
Check all that apply: X Pure X Mix X Solid X Liquid Gas EHS			X Immediate (acute)			365 No. of Days On-Site (days)					
EHS Name			X Delayed (chronic)								
CAS 007681529 Trade Secret			Fire Sudden Release of Pressure			04 Max. Daily Amount (code)			E 4 1 9409-10; 9409-12; 9409-13; 9409-15		
Chem. Name SODIUM HYPOCHLORITE			Reactivity			04 Avg. Daily Amount (code)			E 4 1 9409-17; 9409-18; 9409-19; 9409-2		
Check all that apply: Pure X Mix Solid X Liquid Gas EHS			X Immediate (acute)			365 No. of Days On-Site (days)			E 4 1 9409-20; 9409-22; 9409-22E; 9409-23		
EHS Name			Delayed (chronic)						E 4 1 9409-24; 9409-26; 9409-29; 9409-32		
CAS 007681529 Trade Secret			Fire Sudden Release of Pressure			04 Max. Daily Amount (code)			E 4 1 9409-34; 9720-2		
Chem. Name SODIUM HYPOCHLORITE (cont'd)			Reactivity			04 Avg. Daily Amount (code)			N 4 1 9202; 9731; 9769; 9995; 9998		
Check all that apply: Pure X Mix Solid X Liquid Gas EHS			X Immediate (acute)			365 No. of Days On-Site (days)					
EHS Name			Delayed (chronic)								
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Date signed											

<p>Tier Two</p> <p>EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY</p> <p><i>Specific Information by Chemical</i></p>		<p>Facility Identification</p> <p>Name <u>Oak Ridge Y-12 Plant</u></p> <p>Street <u>Bear Creek Road</u></p> <p>City <u>Oak Ridge</u> County <u>Anderson</u> State <u>TN</u> Zip <u>37831</u></p> <p>SIC Code <u>3499</u> Dun & Brad Number _____</p> <hr/> <p align="center">FOR OFFICIAL USE ONLY</p> <p>ID # _____</p> <p>Date Received _____</p>		<p>Owner/Operator Name</p> <p>Name <u>U.S. Department of Energy</u> Phone <u>(423) 576 9850</u></p> <p>Mail Address <u>P.O. Box 2001, Oak Ridge, TN 37831</u></p> <hr/> <p>Emergency Contact</p> <p>Name <u>Plant Shift Superintendent</u> Title _____</p> <p>Phone <u>(423) 574 7172</u> 24 Hr. Phone <u>(423) 574 7172</u></p> <p>Name <u>DOE Emergency Response Center</u> Title _____</p> <p>Phone <u>(423) 576-1005</u> 24 Hr. Phone <u>(423) 576-1005</u></p>																												
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Chemical Description		Physical and Health Hazards <small>(check all that apply)</small>		Inventory		Storage Codes and Locations (Non-Confidential) <i>Storage Locations</i>		Optional																								
CAS <u>065997173</u> Trade Secret ☐ Chem. Name <u>SODIUM ZINC POLYPHOSPHATE</u> <hr/> <small>Check all that apply:</small> ☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS EHS Name _____		☐ 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 style="width:5%;">J</td> <td style="width:5%;">4</td> <td style="width:5%;">1</td> <td style="width:85%;">1405</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>		J	4	1	1405																					☐
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CAS <u>007664939</u> Trade Secret ☐ Chem. Name <u>SULFURIC ACID</u> <hr/> <small>Check all that apply:</small> ☒ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS EHS Name <u>SULFURIC ACID</u>		☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)		<u>05</u> Max. Daily Amount (code) <u>05</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-Site (days)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>A</td><td>4</td><td>1</td><td>9201-5 / Outside Tank</td></tr> <tr><td>A</td><td>4</td><td>1</td><td>9401-3 / Main Utilities Area</td></tr> <tr><td>C</td><td>4</td><td>1</td><td>9401-3; 9404-18</td></tr> <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>9616-9</td></tr> <tr><td>E</td><td>4</td><td>1</td><td>9401-2 / Plating Shop / Annex</td></tr> </table>		A	4	1	9201-5 / Outside Tank	A	4	1	9401-3 / Main Utilities Area	C	4	1	9401-3; 9404-18	C	4	1	9616-7 / West End Treatment	C	4	1	9616-9	E	4	1	9401-2 / Plating Shop / Annex	☐
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**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

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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><td>9119; 9201-2; 9201-4; 9201-5</td></tr> <tr><td>R</td><td>4</td><td>1</td><td>9201-5N; 9202; 9203; 9204-1; 9204-2</td></tr> <tr><td>R</td><td>4</td><td>1</td><td>9204-2E; 9204-3; 9204-4; 9206; 9207</td></tr> <tr><td>R</td><td>4</td><td>1</td><td>9212; 9215; 9401-4; 9401-5; 9710-2</td></tr> <tr><td>R</td><td>4</td><td>1</td><td>9711-1; 9720-1; 9720-12; 9720-18</td></tr> <tr><td>R</td><td>4</td><td>1</td><td>9720-3; 9720-5; 9735; 9769; 9825A</td></tr> </table>	R	4	1	9119; 9201-2; 9201-4; 9201-5	R	4	1	9201-5N; 9202; 9203; 9204-1; 9204-2	R	4	1	9204-2E; 9204-3; 9204-4; 9206; 9207	R	4	1	9212; 9215; 9401-4; 9401-5; 9710-2	R	4	1	9711-1; 9720-1; 9720-12; 9720-18	R	4	1	9720-3; 9720-5; 9735; 9769; 9825A	☐
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R	4	1	9204-2E; 9204-3; 9204-4; 9206; 9207																									
R	4	1	9212; 9215; 9401-4; 9401-5; 9710-2																									
R	4	1	9711-1; 9720-1; 9720-12; 9720-18																									
R	4	1	9720-3; 9720-5; 9735; 9769; 9825A																									

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 25, 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 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>0 0 7 4 4 0 6 1 1</u> Trade Secret ☐ Chem. Name <u>URANIUM AND URANIUM COMPOUNDS (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 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>R 4 1</u> <u>9980; 9983-17; 9995; 9998</u>		
CAS <u>0 0 0 0 5 7 1 3 6</u> Trade Secret ☐ Chem. Name <u>UREA</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 5</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> 9206 / West Dock; 9219; 9983-AL <u>F 4 1</u> 9404-20; 9720-13 <u>J 4 1</u> 9720-13; 9720-2; 9769 <u>K 4 1</u> West Tank Farm <u>M 4 1</u> 9202 <u>N 4 1</u> 9204-3; 9616-7 / Laboratory; 9995		
CAS <u>0 0 0 0 5 7 1 3 6</u> Trade Secret ☐ Chem. Name <u>UREA (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 5</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>N 4 1</u> Union Valley Facility <u>R 4 1</u> 9720-50		

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 25, 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

Enclosure 1
Letter, Butz to Spence
Dated: February 26, 1997

LETTER TITLE:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

LOCKHEED MARTIN ENERGY SYSTEMS, INC.

Post Office Box 2009
Oak Ridge, Tennessee 37831

February 26, 1997

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

Dear Mr. Spence:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

As required by provisions under Section 312, Inventory Reporting, of the EPCRA and Executive Order (EO) 12856, Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements, the Y-12 Plant staff is submitting an unclassified version of the Tier-Two Forms (Enclosure 1). **This report contains data for CY 1996 for all hazardous chemicals stored at the Y-12 Plant in quantities equal to or greater than 10,000 pounds and all extremely hazardous substances stored in quantities equal to or greater than 500 pounds or the threshold planning quantity, whichever is lower.** To comply with the law and EO 12856, this information must be submitted to the state and local agencies listed below on or before March 1, 1997:

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

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

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

Mr. R. J. Spence, DOE-ORO

Page 2

February 26, 1997

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

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

Roane County LEPC
Attention: Mr. David Blanchard
920 Bonneyview Ave.
Kingston, Tennessee 37763

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

Please forward the enclosed report forms to the referenced state and local agencies. These Tier-Two Forms require a signature of certification by the facility owner or designee. Please note that as per Title 40, Code of Federal Regulations, Part 370.41, submissions to the State Emergency Response Commission, Local Emergency Planning Committee, and Fire Department personnel must each contain an original signature on at least the first page. Subsequent pages must contain either an original signature, a photocopy of the original signature, or a signature stamp. Each page must contain the date on which the original signature was affixed to the first page of the submission and the total number of pages in the submission.

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

Mr. R. J. Spence, DOE-ORO

Page 3

February 26, 1997

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

Enclosure 3 contains CY 1996 inventory information submitted by personnel from Johnson Controls. Personnel from US West reported no usage or storage of hazardous chemicals or extremely hazardous substances that would require inventory reporting for CY 1996.

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

Very truly yours,

T. R. Butz
Y-12 Plant Manager

TRB:krl

Enclosures: As Stated

cc/encs: See Page 4

Mr. R. J. Spence, DOE-ORO

Page 4

February 26, 1997

cc/encs: T. A. Bauckham, US West
J. D. Bolling
W. L. Clements
T. K. Cothron
S. L. Davis, DOE-ORO
R. A. Evans
R. T. Ford
M. Gallahar, DOE-EOC
P. Griffin, Johnson Controls
P. J. Gross, DOE-ORO
H. S. Hackler
R. L. Johnson Jr.
N. Kramer, MK-Ferguson
K. J. Martin
S. M. Peterson
J. D. Rothrock/B. E. Cochran, DOE-ORO
R. L. Sampsel
L. M. Sparks, DOE-ORO
M. Vestal, TDEC
Y-12 Records Services (1)/DOE-OSTI (2)
Y-12 Plant Shift Superintendent
EC Document Control Center-RC

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

Enclosure 2

Letter, Butz to Spence

Dated: February 26, 1997

LETTER TITLE:

Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996

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

Enclosure 3

Letter, Butz to Spence

Dated: February 26, 1997

LETTER TITLE:

**Contract DE-AC05-84OR21400, Emergency Planning and Community
Right-to-Know Act (EPCRA) Section 312 Report for Calendar Year (CY) 1996**

FRI. JAN-24-97 7:12AM

JOHNSON CONTROLS

615 576 4913

P.01

1093 Commerce Park Drive
Suite 700
Oak Ridge, TN 37830

JOHNSON
CONTROLS

January 20, 1997

Mr. Ron Evans
Y-12 EPCRA Coordinator
Lockheed Martin Energy Systems
Bldg. 9115, MS 8219

Dear Mr. Evans:

Johnson Controls' contribution to the Y-12 312 Report for
Calendar Year 1996 is enclosed.

If you need any more information or have questions, feel free to
contact me at 241-2182.

Sincerely,

Paula K. Griffin

Paula K. Griffin
E,S&H Technician

Post-it® Fax Note	7871	Date	1/23	# of pages	19
To	Ron Evans	From	Paula		
Co./Dept.		Phone #	call me		
Phone #	6-4774	Phone #	1-2182		
Fax #	4-1880	Fax #			

JAN-24-1997 07:32

615 576 4913

P.01

-C496-

Reporting Date: 02/25/97		Page No. 11	
HAZCOM / EPCRA INVENTORY		Section Controls	
Material & MSDS number CAS No.		Container Information	
1010		4-2849	
SODIUM CHLORIDE		100g	
536 607447-14-5		Type Code	
Chemical State as Received		Temp. Code	
Solid ☒ Liquid ☐ Gas ☐		4	
Min Daily		Max Daily	
10000		10000	
Total Bx.		10000	
Master of Use		Pressure Code	
Description of how the material is used, i.e. Filling, Degassing, etc.		1	
Road salt		1	
Disposal		Days to 303	
Check One Box		Days to 303	
Complete days		Days to 303	
outside of 303		Days to 303	
In Current Inventory		Days to 303	
Discontinued		Days to 303	
Substituted		Days to 303	
Transferred		Days to 303	

Signature: Paula K. Griffin

* Material tagged with ☒ are dangerous
If total pounds are known, fill in and necessary to complete the label, liquid, or gas quantity fields.

Reporting Date: 09/25/94

Page No. 4

HAZCOM/EPCRA INVENTORY

Material & MSDS under CAS No.	Chemical Status Revised	Max Qty	Avg Qty	Annual Usage	Unit	Container Information			Master of Use Description of how the material is used, i.e. mixing, degreasing, etc.	Disposition Check One Box Complete days only if < 365.
						Type Code	Temp Code	Pressure Code		
DIESEL FUEL	☐ Solid ☐ Liquid ☐ Gas					6	4	1	Put	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
77 GASOLINE, REGULAR UNLEADED	☒ Solid ☐ Liquid ☐ Gas	15	10	600		6	4	1	Duplicate	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
77 GASOLINE, REGULAR UNLEADED	☐ Solid ☐ Liquid ☐ Gas	20000	20000			6	4	1	Put	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐

Signature: *Paras K. Gupta*

* All materials shipped with ☒ are exempted from EPCRA reporting requirements. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

Reporting Date: 01/26/98

Page No. 2

Material & MSDS and/or CAS No.		Chemical State as Received	Max Qty	Avg Qty	Annual Usage	Unit	Container Information			Manner of Use Description of how the material is used, i.e. Plating, Degreasing, etc.	Disposition Check One Box Complete days on site if < 365.
							Type Code	Temp. Code	Pressure Code		
NICKEL COMPOUNDS		Solid ☐					N	4	1	Anti-acid compound	☒ In Current Inv.
		Liquid ☒	100	25	200	lbs					☐ Discontinued
		Gas ☐									☐ Substituted
		Total lbs.	100	25	200						☐ Transferred
OXYGEN		Solid ☐					L	4	2	Welding	☒ In Current Inv.
		Liquid ☐									☐ Discontinued
		Gas ☒	337	337	500	Cube					☐ Substituted
1133 007762-44-1		Total lbs.	337	337	500						☐ Transferred
PETROLEUM OIL		Solid ☐					N	4	1	Machinery oil.	☒ In Current Inv.
		Liquid ☒	50	50	250	Gallon(s)					☐ Discontinued
		Gas ☐									☐ Substituted
		Total lbs.	50	50	250						☐ Transferred
											Days on Site: <input type="text"/>

* Materials flagged with ☒ are carcinogenic

If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature

Paula K. Griffin

615 576 4915

07:33

JAN-24-1997

P.04

Reporting Date: 02/09/96 Page No. _____

HAZCOM / EPCRA INVENTORY

Inventory # 11501 07-30-96

Material & MSDS and/or CAS No.	Chemical State as Received			Max Poly	Avg Daily	Annual Usage	Unit	Container Information			Master of Use Description of how the material is used, i.e. Piling, Degreasing, etc.	Disposition (see flow sheet) Complete days onsite if < 30% Days on Site: _____
	Solid	Liquid	Gas					Type Code	Temp Code	Pressure Code		
HYDRAULIC OIL	☒	☒	☐	25	15	100	Gallon(s)	P	4	1	For hydraulic machinery	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
LITHIUM CHLORIDE	☐	☒	☐	100	100	300	Gallon(s)	E	4	1	Dehumidifier	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
1115 007447-41-8 LUBRICATION OILS	☐	☒	☐	100	25	250	Gallon(s)	E	4	1	Lubricant for machinery	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
1009043 NAPHTHIA	☐	☒	☐	10	15	60	Gallon(s)	E	4	1	Parts wash	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
				15	15	100						

Signature: Paula Kiffin

* Materials Segregated with ☒ are considered
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity data.

Reporting Date: 05/24/95

HAZCOM / EPCRA INVENTORY

Page No: 1

Material & MSDS and/or CAS No.		Chemical Status Received	Max Daily	Avg Daily	Annual Usage	Unit	Container Information			Manner of Use	Disposition
							Type Code	Temp. Code	Pressure Code	Description of how the material is used, i.e. Plating, Degreasing, etc.	Check One Box Complete days on site if > 365.
2002	AMMONIA	Solid ☐					N	4	1	Cleaning	☒ In Current Inv.
		Liquid ☒	25	25	25	Gallons					☐ Discontinued
		Gas ☐									☐ Substituted
											☐ Transferred
273	007644-41-7	Total lbs.	25	25	25						Days on Site: <input type="text"/>
	ARGON	Solid ☐					L	4	2	Welding	☒ In Current Inv.
		Liquid ☐									☐ Discontinued
		Gas ☒	336	168	100	CuMc					☐ Substituted
											☐ Transferred
1730	007440-37-1	Total lbs.	336	168	100						Days on Site: <input type="text"/>
	ETHANOL (10%) GASOLINE	Solid ☐					P	9	1	Fuel	☒ In Current Inv.
		Liquid ☐	9	9		Gallons				No longer use.	☒ Discontinued
		Gas ☐									☐ Substituted
											☐ Transferred
		Total lbs.									Days on Site: <input type="text"/>
☒	GASOLINE, REGULAR UNLEADED	Solid ☐					P	4	1	Fuel	☒ In Current Inv.
		Liquid ☒	30	5	100	GAL					☐ Discontinued
		Gas ☐									☐ Substituted
											☐ Transferred
87303		Total lbs.	30	5	100						Days on Site: <input type="text"/>

* Materials shipped with ☒ are carcinogenic
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature

Paula R. Guffin

615 576 4915

JAN-24-1997 07:34

P.03

ADP

Bldg

Diesel 1404-1

gallons

1000 | 1000 | 3000

River Generator

11.11.11

HAZCOM / EPCRA INVENTORY

Page No: 1

Reporting Date: 09/26/96

Material & MSDS and/or CAS No.	Chemical State as Received	Max Qty	Avg Daily	Actual Usage	Unit	Container Information			Description of how the material is used, in. Paving, Degreasing, etc.	Disposition Check One Box Complete days or less if < 365.
						Type Code	Temp. Code	Pressure Code		
DIESEL FUEL	☐ Solid ☒ Liquid ☐ Gas	1000	300	300	Gallons	A	4	1	Emergency power.	☒ In Current Inventory ☐ Decontaminated ☐ Relabeled ☐ Transferred Days on Site: <input type="text"/>
Total No. 1000 / 300 / 300										

* Materials tagged with ☒ are combustible
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature: Paula K. Griffin

HAZCOM / EPCRA INVENTORY

Reporting Date: 8/2/94

Material & MSDS and/or CAS No.		Chemical State as Received		Max Bulb	Avg Daily Usage	Actual Usage	Unit	Container Information				Manner of Use		Disposition	
		Solid	Liquid					Type Code	Temp Code	Pressure Code	Description of how the material is used, i.e. Flaming, Degreasing, etc.		In Current level		
CALCIUM CHLORIDE		☒	☐	300	300	1000	lb	K	4	1		Ice and snow melt	☒ In Current level		
401 010043-52-4				300	300	1000	lb						☐ Decontaminated		
				300	300	1000	lb						☐ Substituted		
				300	300	1000	lb						☐ Transferred		
				300	300	1000	lb						Days on Site: <input type="text"/>		

Material tagged with ☒ are carcinogenic
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature: Barbara K. Gilliam

Reporting Date: 08/26/94

HAZCOM / EPCRA INVENTORY

Page No. 14

Material & MSDS and/or CAS No.		Chemical State as Received	Max Daily	Avg Daily	Annual Usage	Unit	Type Code	Temp. Code	Pressure Code	Manner of Use Description of how the material is used, i.e. Plating, Degreasing, etc.	Disposition (check one box) Complete days onsite if < 305.
SODIUM CHLORIDE		Solid ☒	300	30	1000	lb	1	4	1	Ice and snow melt.	☒ In Current Inv.
536 407647-14-9		Liquid ☐									☐ Discontinued
		Gas ☐									☐ Substituted
		Total lbs.	300	30	1000						☐ Transferred
SORBAL		Solid ☒	100	100	300	lb	1	4	1	Absorbent	☒ In Current Inv.
		Liquid ☐									☐ Discontinued
		Gas ☐									☐ Substituted
		Total lbs.	100	100	300						☐ Transferred
											Days on Site: <input type="text"/>

* Materials flagged with ☒ are carcinogenic.
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature *Paula K. Griffin*

615 570 4913

JAN-24-1997 07:35

P.09

Reporting Date: 02/24/94 Page No: 1

HAZCOM / EPCRA INVENTORY

Inventory ID: 574-3070

WILSON

Material & MSD's and/or CAS No.	Chemical State as Received	Max Bulk	Avg Daily Usage	Annual Usage	Container Information			Manner of Use Description of how the material is used, i.e. filling, degassing, etc.	Disposition Check One Box Complete days on file if < 30 days
					Type Code	Temp Code	Pressure Code		
LITHIUM CHLORIDE	Solid ☐ Liquid ☒ Gas ☐	110	110	110	E	3	1	Dehumidifier	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
1115 807447-41-8 NALCO 8768 34% ALUMINUM CHLORIDE	Solid ☐ Liquid ☒ Gas ☐	2000	3000	3000	G	4	1	For use in water	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
SODIUM HYDROXIDE	Solid ☐ Liquid ☒ Gas ☐	1400	1400	1400	A	4	1	For use in water	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
543 801318-73-2 SODIUM SILICOFLOURIDE	Solid ☒ Liquid ☐ Gas ☐	5225	1700	4000	1	4	1	For use in water	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
5126 014899-82-4	Solid ☐ Liquid ☐ Gas ☐	3275	1175	1900					

Signature: Paul R. Giff

* Material is flagged with ☒ if not carcinogenic
If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Page No: 3

Reporting Date: 07/28/54						Material & MSDS number CAS No.		Checklist Solids Liquids Gases		Max Daily Avg Daily Annual Usage		Container Information Type Code Temp. Code Pressure Code		Material Use Description of how the material is used, i.e., Plating, Degreasing, etc.		Disposition Complete days outside if < 345			
1493		Johanna Chemical		994-9049															
Sulfuric Acid		351		007604-934		2		2		0.5		M		4		1		In Current Inventory ☒ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐	
Sodium Zinc Phosphate		Solid		10,000		5,000		20,000 lbs		5		4		1		Corrosion inhibitor in water production		Current	

Paula Gillies

A pleochroic ringed with **Elars** cartilage.

Page No: 1

HAZCOM / EPCRA INVENTORY

Reporting Date: 03/26/96

Material & MSDS and/or CAS No.		Chemical State Received		Max Daily		Avg Daily		Annual Usage		Container Information		Manner of Use		Disposition	
		Solid	Liquid	Gas	Max Daily	Avg Daily	Max Daily	Annual Usage	Type Code	Temp Code	Pressure Code	Description of how the material is used, its flammability, degradation, etc.		Check One Box Complete date onsite if < 365.	
ALUMINUM CHLORIDE		☐	☐	☐								we no longer use this		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: <input type="text"/>	
CARBON DIOXIDE		☐	☐	☐								Calibration gas.		☐ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: <input type="text"/>	
785 CHLORINE		☐	☐	☐								For use in water.		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: <input type="text"/>	
281 HYDROCHLORIC ACID		☐	☐	☐								Lab use		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: <input type="text"/>	
070		☐	☐	☐										☐ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: <input type="text"/>	

* Materials tagged with ☒ are exemptible
 (If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.)

Signature: *Paula K. Giff*

Reporting Date: 08/24/98

Page No. _____

HAZCOM / EPCRA INVENTORY

Inventory No. **WILSON 576-5050**

Job Site Control

Material & MSDS and/or CAS No.	Chemical State as Received	Max Qty	Avg Qty	Annual Usage	Container Information			Manner of Use Description of how the material is used, i.e., Picking, Degreasing, etc.	Disposition Check One Box Complete days needed if > 165
					Type Code	Temp. Code	Pressure Code		
CHLORINE GAS	☐ Solid ☐ Liquid ☒ Gas	7000	3000	3,000	L	4	2	For use in water.	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
281 007712-50-5	Total Bk.	7000	3000	3,000					
SODIUM HYDROXIDE	☐ Solid ☒ Liquid ☐ Gas	1498	1400	0	A	4	1	For use in water.	☒ In Current Inventory ☐ Discarded ☐ Substituted ☐ Transferred Days on Site: _____
541 001310-73-2	Total Bk.	1498	1400	0					

* Materials shipped with ☒ are carcinogenic.
 If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature: Paula K. Giffin

Reporting Date: 02/26/96

HAZCOM / EPCRA INVENTORY

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Material & MSDS and/or CAS No.		Chemical State as Received	Mts Daily	Qty Daily	Annual Usage	Unit	Container Information			Planner of Use	Disposition
							Type Code	Temp. Code	Pressure Code	Description of how the material is used, i.e. Plating, Degreasing, etc.	Check One Box Complete days on-site if < 365.
2005	000074-98-6	PROPANE					1	4	2	Fuel	☒ In Current Inv.
		Solid ☐									☐ Discontinued
		Liquid ☒	1200	600	5346	lb					☐ Substituted
		Gas ☐									☐ Transferred
		Total lbs.	1200	600	5346						Days on Site: <input type="text"/>
323	000074-98-6	SAFETY ADSORBENT					1	4	1	Oil dry.	☒ In Current Inv.
		Solid ☒	500	240	3400	lbs					☐ Discontinued
		Liquid ☐									☐ Substituted
		Gas ☐									☐ Transferred
		Total lbs.	500	240	3400						Days on Site: <input type="text"/>
323	007664-93-9	SULFURIC ACID					2	4	2	Batteries.	☒ In Current Inv.
		Solid ☐									☐ Discontinued
		Liquid ☐	10	10	30	Quarts					☐ Substituted
		Gas ☐									☐ Transferred
		Total lbs.									Days on Site: <input type="text"/>
351	007664-93-9	SULFURIC ACID					2	4	2	Batteries.	☒ In Current Inv.
		Solid ☐									☐ Discontinued
		Liquid ☐									☐ Substituted
		Gas ☐									☐ Transferred
		Total lbs.	0	0	0						Days on Site: <input type="text"/>

* Materials shipped with ☒ are exempt from EPCRA reporting. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

Signature

Paula K. Guffin

Duplicate
No longer fill batteries on-site

Current Inv.
☒ Discontinued
☐ Substituted
☐ Transferred
Days on Site: 180

HAZCOM / EPCRA INVENTORY

Page No: 13

Reporting Date: 02/26/96

2005
 KRTA, B
 574-6418
 Johnson Controls

Material & MSD number, CAS No.	Chemical State no Received	Net Qty Avg Used	Avg Used Unit	Container Information		Type Code	Temp Code	Pressure Code	Manner of Use Description of how the material is used, i.e. filling, degreasing, etc.	Disposition Check One Box Complete days expired if < 365.
				Solid	Liquid					
LUBRICATION OILS 1000045 OXYGEN	400	20	276	400	20	276			Vehicle and equipment oil	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site:
PROPANE 007782-46-2 PETROLEUM OIL	400	20	276	400	20	276			Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site:
PROPANE 007782-46-2 PETROLEUM OIL	400	20	276	400	20	276			Vehicle	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site:
PROPANE 007782-46-2 PETROLEUM OIL	400	20	276	400	20	276			Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site:
PROPANE 007782-46-2 PETROLEUM OIL	400	20	276	400	20	276			Vehicle	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site:

Propane

Paula KQ:W

JAN-24-1997 07:39

615 576 4913

HAZCOM / EPCRA INVENTORY

Page No: 12

Reporting Date: 09/24/96

Inventory Control		Material		Quantity		Hazardous Properties		Physical Properties		Material of Use		Disposition	
Inventory No.	Material Name	Inventory No.	Material Name	Inventory No.	Material Name	Inventory No.	Material Name	Inventory No.	Material Name	Inventory No.	Material Name	Inventory No.	Material Name
919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL	919	ETHYLENE GLYCOL
919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED
919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED	919	GASOLINE, REGULAR UNLEADED
919	HYDRAULIC OIL	919	HYDRAULIC OIL	919	HYDRAULIC OIL	919	HYDRAULIC OIL	919	HYDRAULIC OIL	919	HYDRAULIC OIL	919	HYDRAULIC OIL

Signature: Paula K. Giff

* Materials flagged with [X] are carcinogenic. If total per cell are known, it is not necessary to complete the entire liquid, or gas quantity fields.

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HAZCOM / EPCRA INVENTORY

Reporting Date: 05/26/94

HAZCOM / EPCRA INVENTORY		KUTIS, B.		ST44608		Johnnie Controls				
Material & MSDS number CAS No.	Chemical Status as Received	Min Qty	Avg Qty	Annual Usage	Unit	Chemical Information			Manner of Use Description of how the material is used, i.e. filling, degreasing, etc.	Disposition Check One Box Complete days within 15 days
						Type Code	Temp. Code	Pressure Code		
DIATOMACEOUS EARTH	Solid	2500	200	1712	lb	1	4	1		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
DIESEL FUEL	Liquid	5000	111	3870	gallons	4	4	1		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
DIESEL OIL	Liquid	5000	111	3870	gallons	4	4	1		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐
STANOL (CANDY) GARDOLITE	Solid	2000	200	2000	gallons	4	4	1		☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on Site: ☐

duplicate

no longer use

Paula Griffin

Signature

* Material tagged with ☒ are not required to complete the solid, liquid, or gas quantity data. If label records are known, it is not necessary to complete the solid, liquid, or gas quantity data.

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HAZCOM / EPCRA INVENTORY

Reporting Date: 01/24/94

Material & MSDS number CAS No.	Chemical State as Received	Net Weight	Avg. Density	Unit	Container Information			Manner of Use Description of how the material is used, i.e., Packing, Diagrams, etc.	Disposition Check One Box Complete days on file if < 345
					Type Code	Temp. Code	Pressure Code		
ARGON	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>
1710 007440-37-1	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>
1710 007440-37-1	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>
785 000124-38-9	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>
785 000124-38-9	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>
785 000124-38-9	☒ Solid				1	4	2	Welding	☒ In Current Inventory ☐ Discontinued ☐ Substituted ☐ Transferred Days on file: <input type="text"/>

Signature: Paula Griffin

* Materials shipped with ☒ are exempt from EPCRA reporting requirements. If total pounds are known, it is not necessary to complete the solid, liquid, or gas quantity fields.

HAZCOM / EPCRA INVENTORY

HAZCOM / EPCRA INVENTORY		EPCRA 304		EPCRA 305		EPCRA 306		EPCRA 307		EPCRA 308		EPCRA 309		EPCRA 310		EPCRA 311		EPCRA 312		EPCRA 313		EPCRA 314		EPCRA 315		EPCRA 316		EPCRA 317		EPCRA 318		EPCRA 319		EPCRA 320		EPCRA 321		EPCRA 322		EPCRA 323		EPCRA 324		EPCRA 325		EPCRA 326		EPCRA 327		EPCRA 328		EPCRA 329		EPCRA 330		EPCRA 331		EPCRA 332		EPCRA 333		EPCRA 334		EPCRA 335		EPCRA 336		EPCRA 337		EPCRA 338		EPCRA 339		EPCRA 340		EPCRA 341		EPCRA 342		EPCRA 343		EPCRA 344		EPCRA 345		EPCRA 346		EPCRA 347		EPCRA 348		EPCRA 349		EPCRA 350		EPCRA 351		EPCRA 352		EPCRA 353		EPCRA 354		EPCRA 355		EPCRA 356		EPCRA 357		EPCRA 358		EPCRA 359		EPCRA 360		EPCRA 361		EPCRA 362		EPCRA 363		EPCRA 364		EPCRA 365		EPCRA 366		EPCRA 367		EPCRA 368		EPCRA 369		EPCRA 370		EPCRA 371		EPCRA 372		EPCRA 373		EPCRA 374		EPCRA 375		EPCRA 376		EPCRA 377		EPCRA 378		EPCRA 379		EPCRA 380		EPCRA 381		EPCRA 382		EPCRA 383		EPCRA 384		EPCRA 385		EPCRA 386		EPCRA 387		EPCRA 388		EPCRA 389		EPCRA 390		EPCRA 391		EPCRA 392		EPCRA 393		EPCRA 394		EPCRA 395		EPCRA 396		EPCRA 397		EPCRA 398		EPCRA 399		EPCRA 400		EPCRA 401		EPCRA 402		EPCRA 403		EPCRA 404		EPCRA 405		EPCRA 406		EPCRA 407		EPCRA 408		EPCRA 409		EPCRA 410		EPCRA 411		EPCRA 412		EPCRA 413		EPCRA 414		EPCRA 415		EPCRA 416		EPCRA 417		EPCRA 418		EPCRA 419		EPCRA 420		EPCRA 421		EPCRA 422		EPCRA 423		EPCRA 424		EPCRA 425		EPCRA 426		EPCRA 427		EPCRA 428		EPCRA 429		EPCRA 430		EPCRA 431		EPCRA 432		EPCRA 433		EPCRA 434		EPCRA 435		EPCRA 436		EPCRA 437		EPCRA 438		EPCRA 439		EPCRA 440		EPCRA 441		EPCRA 442		EPCRA 443		EPCRA 444		EPCRA 445		EPCRA 446		EPCRA 447		EPCRA 448		EPCRA 449		EPCRA 450		EPCRA 451		EPCRA 452		EPCRA 453		EPCRA 454		EPCRA 455		EPCRA 456		EPCRA 457		EPCRA 458		EPCRA 459		EPCRA 460		EPCRA 461		EPCRA 462		EPCRA 463		EPCRA 464		EPCRA 465		EPCRA 466		EPCRA 467		EPCRA 468		EPCRA 469		EPCRA 470		EPCRA 471		EPCRA 472		EPCRA 473		EPCRA 474		EPCRA 475		EPCRA 476		EPCRA 477		EPCRA 478		EPCRA 479		EPCRA 480		EPCRA 481		EPCRA 482		EPCRA 483		EPCRA 484		EPCRA 485		EPCRA 486		EPCRA 487		EPCRA 488		EPCRA 489		EPCRA 490		EPCRA 491		EPCRA 492		EPCRA 493		EPCRA 494		EPCRA 495		EPCRA 496		EPCRA 497		EPCRA 498		EPCRA 499		EPCRA 500	
1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1																																																																																																																																																																																																																																																																																																																				

• **Be sure to check with your employer**

Paula K. Gill