Y/TS--1658/R1

LOCKHEED MARTIN

LOCKHEED MARTIN ENERGY SYSTEMS, INC.

Post Office Box 2009
Oak Ridge, Tennessee 37831

June 3, 1997

RECEIVED
JUL 22 1997
OSTI

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 311 Report**

As required by provisions under Section 311 (Material Safety Data Sheets Reporting) of the EPCRA of 1986, the Y-12 Plant staff is submitting an updated list of hazardous chemicals that were present in quantities equal to or greater than 10,000 pounds and extremely hazardous substances that were present in quantities equal to or greater than 500 pounds or its respective Threshold Planning Quantity, whichever was lower, for the Lockheed Martin Energy Systems (Energy Systems) Y-12 Plant; Johnson Controls; and MK-Ferguson. Personnel from US West reported no hazardous chemicals or extremely hazardous substances in sizable quantities during this update. To maintain compliance with the regulations, the information contained in Document Y/TS-1658/R1 (enclosed) must be submitted to personnel at the state and local agencies listed below:

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

MASTER

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kg

Mr. R. J. Spence, DOE-ORO

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June 3, 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
Lenior City, Tennessee 37771

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

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

I certify that this document and sections of the enclosure pertinent to the activities of the Energy Systems Y-12 Plant were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated 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.

If you have any questions or comments regarding this information, please contact R. A. Evans at (423) 576-4774.

Very truly yours,

T. R. Butz
Y-12 Plant Manager

TRB:krl

Enclosure: As Stated

Mr. R. J. Spence, DOE-ORO

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June 3, 1997

cc/enc: T. A. Bauckham, US West
J. D. Bolling
W. L. Clements
T. K. Cothron
R. T. Ford
M. Gallahar, DOE-EOC
P. J. Gross, DOE-ORO
H. S. Hackler
R. L. Johnson Jr./R. A. Evans
N. K. Kramer, MK-Ferguson
M. E. Lemmings, DOE-ORO
K. J. Martin
T. McWilliams, Johnson Controls
S. M. Peterson
J. D. Rothrock/B. E. Cochran, DOE-ORO
R. L. Sampsel
L. M. Sparks, DOE-ORO
M. Vestal, TDEC
Y-12 Plant Records Services (3)
Y-12 Plant Shift Superintendent
EC Document Center - RC

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

Enclosure
Letter, Butz to Spence
Dated: June 3, 1997

LETTER TITLE:

**Contract DE-AC05-84OR21400, Emergency Planning and
Community Right-to-Know Act (EPCRA) Section 311 Report**

Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT SECTION 311

R. A. Evans

Environmental Compliance Organization

May 1997

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 DE-AC05-OR21400

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 311

R. A. Evans

Environmental Compliance Organization

May 1997

Prepared by the
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Oak Ridge, Tennessee 37831
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Under Contract DE-AC05-OR21400

LIST OF HAZARDOUS AND EXTREMELY HAZARDOUS CHEMICALS AT THE OAK RIDGE Y-12 PLANT

The following information reflects changes in the lists of hazardous chemicals present at this facility in amounts equal to or greater than 10,000 pounds and extremely hazardous chemicals present in amounts equal to or greater than 500 pounds or its Threshold Planning Quantity, whichever was less. These lists represent the following:

- List of materials last reported in March 1996 (reference Y/TS-1482),
- Materials to be deleted from list,
- Materials to be added to list, and
- Revised lists of materials.

The revised list of materials is a composite of the Y-12 Plant Emergency Planning and Community Right-to-Know Act (EPCRA) Section 312 Report prepared and submitted for calendar year 1996 (Reference Y/TS-1642/R1).

List of Materials Last Reported

Material	CAS	Hazard Codes ^a
Acetic Acid	64-19-7	1,3
Activated Carbon (carbon graphite, synthetic)	7440-44-0	1,3
Aluminum Chloride (anhydrous)	7446-70-0	1,5
Argon	7440-37-1	4 ^b
Beryllium and Beryllium Compounds	7440-41-7	1,2,5
Calcium Chloride	10043-52-4	1
Calcium Hydroxide	1305-62-0	1,2
Calcium Metal	7440-70-2	1,3,5
Carbon Dioxide (gas)	124-38-9	4 ^b
Carbon Dioxide (solid)	124-38-9	1
Chlorine	7782-50-5	1,4,5
Diatomaceous Earth	61790-53-2	1,2
Diesel (Fuel Oil No. 2)	-----	1,2,3
Ferric Sulfate (solution)	10028-22-5	1
Freon 11 (Trichlorofluoromethane)	75-69-4	1,2
Freon 12 (Dichlorodifluoromethane)	75-71-8	1,2,4
Freon 22 (Chlorodifluoromethane)	75-45-6	1,2,4
Freon 113 (Trichlorotrifluoroethane)	76-13-1	1,2
Gasoline (unleaded)	-----	1,2,3

List of Materials Last Reported (continued)

Material	CAS	Hazard Codes ^a
Helium	7440-59-7	4
Hydrochloric Acid	7647-01-0	1,2,4,5
Hydrogen Fluoride	7664-39-3	1,2,4,5
Isopropyl Alcohol	67-63-0	1,3,5
Lithium Chloride	7447-41-8	1,2
Lithium Deuteride	13587-16-1	1,2,3,5
Lithium Hydride	7580-67-8	1,2,3,5
Lithium Hydroxide	1310-65-2	1,2,5
Magnesium Oxide	1309-48-4	1,2
Mercury	7439-97-6	1,2
Methanol (Methyl Alcohol)	67-56-1	1,2,3
Nitric Acid	7697-37-2	1,2,5
Nitrogen	7727-37-9	1,4
Oxygen	7782-44-7	1,4
Petroleum	-----	1,2,3
Propane	74-98-6	1,3,4
Propylene Glycol	57-55-6	3

List of Materials Last Reported (continued)

Material	CAS	Hazard Codes ^a
Sodium Bisulfite	7631-90-5	1
Sodium Chloride	7647-14-5	1
Sodium Hydroxide	1310-73-2	1,2,5
Sodium Hypochlorite	7681-52-9	1
Sodium Silicofluoride	16893-85-9	1,5
Sulfuric Acid	7664-93-9	1,2,5
Uranium and Uranium Compounds	7440-61-1	1,2,3
Urea	57-13-6	2,3

^aHazard Codes:

1. - Immediate (acute) Health Hazard
2. - Delayed (chronic) Health Hazard
3. - Fire Hazard
4. - Sudden Release of Pressure (compressed gases)
5. - Reactive Hazard

^bIncluded also on the basis of its classification as an asphyxiant.

Materials to be Deleted from List

Material	CAS	Hazard Codes ^a
Calcium Metal	7440-70-2	1,3,5

^aHazard Codes:

1. - Immediate (acute) Health Hazard
2. - Delayed (chronic) Health Hazard
3. - Fire Hazard
4. - Sudden Release of Pressure (compressed gases)
5. - Reactive Hazard

Materials to be Added to List

Material	CAS	Hazard Codes ^a
Sodium Zinc Polyphosphate	85029-75-0	1

^aHazard Codes:

1. - Immediate (acute) Health Hazard
2. - Delayed (chronic) Health Hazard
3. - Fire Hazard
4. - Sudden Release of Pressure (compressed gases)
5. - Reactive Hazard

^bIncluded also on the basis of its classification as an asphyxiant.

Revised List of Materials

Material	CAS	Hazard Codes ^a
Acetic Acid	64-19-7	1,3
Activated Carbon (carbon graphite, synthetic)	7440-44-0	1,3
Aluminum Chloride (anhydrous)	7446-70-0	1,5
Argon	7440-37-1	4 ^b
Beryllium and Beryllium Compounds	7440-41-7	1,2,5
Calcium Chloride	10043-52-4	1
Calcium Hydroxide	1305-62-0	1,2
Carbon Dioxide (gas)	124-38-9	4 ^b
Carbon Dioxide (solid)	124-38-9	1
Chlorine	7782-50-5	1,4,5
Diatomaceous Earth	61790-53-2	1,2
Diesel (Fuel Oil No. 2)	-----	1,2,3
Ferric Sulfate (solution)	10028-22-5	1
Freon 11 (Trichlorofluoromethane)	75-69-4	1,2
Freon 12 (Dichlorodifluoromethane)	75-71-8	1,2,4
Freon 22 (Chlorodifluoromethane)	75-45-6	1,2,4
Freon 113 (Trichlorotrifluoroethane)	76-13-1	1,2
Gasoline (unleaded)	-----	1,2,3

Revised List of Materials (continued)

Material	CAS	Hazard Codes ^a
Helium	7440-59-7	4
Hydrochloric Acid	7647-01-0	1,2,4,5
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Isopropyl Alcohol	67-63-0	1,3,5
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Oxygen	7782-44-7	1,4
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Propylene Glycol	57-55-6	3

Revised List of Materials (continued)

Material	CAS	Hazard Codes ^a
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Sodium Hypochlorite	7681-52-9	1
Sodium Silicofluoride	16893-85-9	1,5
Sodium Zinc Polyphosphate	85029-75-0	1
Sulfuric Acid	7664-93-9	1,2,5
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Urea	57-13-6	2

^aHazard Codes:

1. - Immediate (acute) Health Hazard
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5. - Reactive Hazard

^bIncluded also on the basis of its classifications as an asphyxiant.

Distribution List

T. A. Bauckham, U.S. West
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M. Vestal, TDEC
Y-12 Plant Records Services (3)
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