YTS-1658

Y-12

**OAK RIDGE
Y-12
PLANT**

LOCKHEED MARTIN

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

**R. A. EVANS
K. J. MARTIN**

Environmental Compliance Organization

March 1997

RECEIVED

MAY 07 1998

OSTI

low

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

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-AC05-84-OR21400

MAST

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

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 list of materials.

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
Beryllim 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 (Trichlorofluormethane)	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 (Trichlorotrifluorethane)	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
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 Code^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 Code ^a
Calcium Metal	7440-70-2	1,3,5
Sodium Silicofluoride	16893-85-9	1,5

^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 Code ^a
Sodium Zinc Polyphosphate	65997-17-3	1,2

^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
Beryllim and Beryllium Compounds	7440-41-7	1,2,5
Calcium Choloride	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 (Trichlorofluormethane)	75-69-4	1,2
Freon 12 (Dicholrodifluoromethane)	75-71-8	1,2,4
Freon 22 (Chlorodifluoromethane)	75-45-6	1,2,4
Freon 113 (Trichlorotrifluorethane)	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
Hydrogen Fluoride	7446-39-3	1,2,4
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

Revised List of Materials (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 Zinc Polyphosphate	65997-17-3	1,2
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 classifications as an asphyxiant.

Distribution List

T. A. Bauckham, U.S. West
J. D. Boling
W. L. Clements
T. K. Cothron
S. L. Davis, DOE-ORO
R. A. Evans
R. T. Ford
M. Gallahar, DOE-EOC
P. Gross, DOE-ORO
H. S. Hackler
T. E. Hart
N. K. Kramer, MK-Ferguson
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 Records Services (1)/DOE-OSTI (2)
Y-12 Plant Shift Superintendent
EC Document Control Center - RC

M98052936

Report Number (14) YTS -- 1658

Publ. Date (11) 199703

Sponsor Code (18) DOE/DP, XF

UC Category (19) UC-700, DOE/ER

19980702 096

DTIC QUALITY INSPECTED 1

DOE