Y-12

Y/TS-1482

OAK RIDGE Y-12 PLANT

MARTIN MARIETTA

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

R. A. Evans
K. J. Martin

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Health, Safety, Environment,
and Accountability Organization

March 1996

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Prepared by the
Oak Ridge Y-12 Plant
Oak Ridge, Tennessee 37831
managed by
Lockheed Martin Energy Systems, Inc.
for the U.S. Department of Energy
under Contract DE-AC05-84OR21400

MANAGED BY
MARTIN MARIETTA ENERGY SYSTEMS, INC.
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**LIST OF HAZARDOUS AND EXTREMELY HAZARDOUS
SUBSTANCES 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 substances present in amounts equal to or greater than 500 pounds or its Threshold Planning Quantity, whichever was lowest. These lists represent the following:

- List of materials last reported in February 1995 (reference Y/TS-1302),
- Materials to be deleted from list,
- Materials to be added to list, and
- Revised list of materials.

The revised list of materials is a composite of the Y-12 Plant Emergency Planning and Community Right-to-Know Act Section 312 report prepared and submitted for calendar year 1995 (reference Y/TS-1468).

List of Materials Last Reported

Material	CAS	Hazard Code ^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
Ammonia	7664-41-7	1,2,3,4,5
Argon	7440-37-1	4 ^b
Beryllium and Beryllium Compounds	7440-41-7	1,2,5
Calcium Chloride	10043-52-4	1
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
Ethanol	64-17-5	1,3
Ethylene Glycol	107-21-1	1,2
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)	-----	1,2,3,5
Hydraulic Oil	-----	1,2

List of Materials Last Reported (Continued)

Material	CAS	Hazard Code^a
Hydrochloric Acid	7647-01-0	1,2,3,4,5
Hydrogen Fluoride	7664-39-3	1,2,4
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
Lubricating Oil	-----	1,2
Magnesium Oxide	1309-48-4	1,2
Mercury	7439-97-6	1,2
Methanol (Methyl Alcohol)	67-56-1	1,2,3
Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6	1,2
Moltan Safety Absorbent	70892-59-0	2
Naphtha	8030-30-6	1,2,3
Nickel and Nickel Soluble Compounds	7440-02-0	1,2
Nitric Acid	7697-37-2	1,2,3,5
Nitrogen	7727-37-9	1,4
Oxygen	7782-44-7	3,4
Petroleum Oil	-----	1,2
Phosphoric Acid	7664-38-2	1,3,5
Portland Cement	65997-15-1	1,2
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

List of Materials Last Reported (Continued)

Material	CAS	Hazard Code^a
Sodium Oxydeuteride	14014-06-3	1,2
Sodium Phosphate	10101-89-0	1
Sodium Silicofluoride	16893-85-9	1,5
Sulfuric Acid	7664-93-9	1,2,5
Toluene 2, 4-Diisocyanate	584-84-9	1,2,4
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
Ammonia	7664-41-7	1,2,3,4,5
Ethanol	64-17-5	1,3
Ethylene Glycol	107-21-1	1,2
Methyl Chloroform	71-55-6	1,2
Moltan Safety Absorbent	70892-59-0	2
Naphtha	8030-30-6	1,2,3
Nickel and Nickel Soluble Compounds	7440-02-0	1,2
Phosphoric Acid	7664-38-2	1,3,5
Portland Cement	65997-15-1	1,2
Sodium Oxydeuteride	14014-06-3	1,2
Sodium Phosphate	10101-89-0	1
Toluene 2,4,-Diisocyanate	584-84-9	1,2,4

^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
Calcium Hydroxide	1305-62-0	1,2
Helium	7440-59-7	4 ^b
Isopropyl Alcohol	67-63-0	1,3,5
Propane	74-98-6	4
Propylene Glycol	57-55-6	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.

Revised List of Materials

Material	CAS	Hazard Code ^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	1,4,51
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)	-----	1,2,3,5

Revised List of Materials (Continued)

Material	CAS	Hazard Code^a
Helium	7440-59-7	4
Hydrochloric Acid	7647-01-0	1,2,3,4,5
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	1,2,3,5
Nitrogen	7727-37-9	1,4
Oxygen	7782-44-7	3,4
Petroleum Oil*	-----	1,2
Propane	74-98-6	4
Propylene Glycol	57-55-6	3
Sodium Bisulfite	7631-90-5	1
Sodium Chloride	7647-14-5	1
Sodium Hydroxide	1310-73-2	1,2,5

Revised List of Materials (Continued)

Material	CAS	Hazard Code ^a
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

*Hydraulic and Lubricating Oils were added to Petroleum Oil per CY 1995.

^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.

Distribution List

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