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ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

T. Bennett / ER
Requestor / Document Center (is requested to provide the following document)

Date of request [illegible] Expected receipt of document [illegible]

Document number ER002311 Date of document 10/7/91

Title and author (if document is unnumbered)
Fieldwork Initiated on Comprehensive Stack and Vent Survey
L. E. Hall, Oct 7, 1991

(This section to be completed by Document Center)

Date request received 9/12/95

Date submitted to ADC 9/13/95

Date submitted to HSA Coordinator 9/20/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 9/20/95

Date received from CICO 10/23/95

Date submitted to ChemRisk/Shonka and DOE 10/23/95

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received

Signature

Internal Correspondence

MARTIN MARIETTA ENERGY SYSTEMS, INC.

ER002311

ENVIRONMENTAL RESTORATION
DIVISION DMC

October 7, 1991

Distribution

Fieldwork Initiated on Comprehensive Stack and Vent Survey

The Environmental Management Department (EMD) has recently initiated fieldwork on the comprehensive stack and vent survey which will identify all potential air emission sources at the K-25 Site. Please cooperate fully with this important effort.

Enclosure 1 is an Environmental Information Bulletin to remind you of your responsibilities to have valid air permits for all applicable operations and to have these permits posted at the operating source. Enclosure 2 is a preliminary listing of stacks and vents that have permits or have been identified as requiring a permit evaluation. Please review these listings and ensure that your sources are permitted, identified for permit review, or have been determined by EMD to be exempt. Written requests for permit reviews should be directed to J. M. Forstrom, K-303-8, MS-7314.

If you have any questions or require additional information, please contact J. M. Forstrom at 576-5640.

L. E. Hall

L. E. Hall, K-1001, MS-7314 (4-7930)

LEH:JMF:dmf

Enclosures 2

This document has been reviewed for classification and has been determined to be UNCLASSIFIED.

David B. Gilliland
ADC Signature

Sept. 20, 1995
Date

This document has been approved for release to the public by:

Irvin S. Quist 10/23/95
Technical Information Officer Date
Oak Ridge K-25 Site

RECORD COPY

W. D. Altman, K-1546-C, MS-7230
L. D. Bates, K-1330, MS-7298
D. H. Blanton, K-1001, MS-7119
J. T. Bradbury, K-1004-D, MS-7279
H. T. Conner, Jr., K-1001, MS-7124
R. F. Cox, K-1036, MS-7203
R. B. Craig, Tri-county, MS-7606
A. Croff, 4500-N, MS-6235
H. L. Crothers, K-1001, MS-7123
J. S. Dalton, K-601, MS-7302
L. F. Denton, K-1007, MS-7069
R. S. Eby, K-1024, MS-7325
C. E. Frye, K-1037, MS-7357
P. E. Hall, Townsite, MS-6501
J. C. Harper, K-1001, MS-7133
E. B. Harris, K-1001, MS-7123
R. L. Hoglund, K-1037, MS-7353
R. L. Hooks, K-1001, MS-7105
J. D. James, 55 Jefferson, MS-7603
C. W. Kimbrough, K-1200, MS-7262
A. F. Kiriluk, K-1001, MS-7153
J. L. Kolling, K-1400, MS-7363
A. S. Loebl, K-1001, MS-7170
S. H. Lowe, K-1200, MS-7262
Maintenance, K-1035, MS-7219
D. L. Mason, DNTNCON, MS-7605
M. E. Mitchell, K-1001, MS-7155
H. M. Oakes, K-1007, MS-7036
L. D. Owens, K-1037, MS-7349
J. C. Parker, K-1200, MS-7262
C. H. Peterson, K-1652, MS-7350
W. R. Ragland, K-1400, MS-7364
A. H. Rice, K-303-7, MS-7396
G. A. Riser, K-1007, MS-7037
R. E. Upchurch, K-1030, MS-7312
D. A. Waters, K-1225, MS-7291
R. L. Wendt, K-1310-B, MS-7228
H. D. Whitehead, Jr., K-1037, MS-7348
M. C. Willard, Townsite, MS-6501

ENCLOSURE 1

TENNESSEE AIR POLLUTION CONTROL REGULATIONS

ENVIRONMENTAL MANAGEMENT

information bulletin

July 31, 1991

TO: ALL EMPLOYEES OPERATING AN AIR CONTAMINANT SOURCE

SUBJECT: TENNESSEE AIR POLLUTION CONTROL REGULATIONS

In accordance with Tennessee Air Pollution Control Regulation 1200-3-9-.02 (Operating Permits), any person in possession of an operating permit shall maintain said operating permit readily available for inspection. The operating permit shall be kept prominently and conspicuously displayed on the operating premises.

The Environmental Management Department (EMD) keeps on file the current operating air permits for all Oak Ridge K-25 Site buildings and outside sources. Efforts are under way to place current operating air permits with each responsible person for posting at their facility by August 31, 1991. Upon receiving your current operating permit, it is imperative that the permit be prominently and conspicuously displayed in a protective cover on or near the air contaminant source. It is the facility operator's responsibility to ensure that the current air permit is obtained and properly displayed.

If any regulated air emission source has been dismantled or removed from service, A. C. Lay, EMD, K-25 Site, must be notified in writing as soon as possible. If any alterations or modifications are to be made to an air emission source, prior review and approval must be obtained from A. C. Lay of EMD.

This program is intended to ensure that the K-25 Site is meeting the state of Tennessee Pollution Control Regulations. The success of this program is dependent upon cooperation between the EMD and the employees responsible for operating an air contaminant source. EMD personnel A. C. Lay, 576-5473, or M. L. McAlduff, 576-5492, are available to assist you to ensure that the air contaminant sources within your facility meet the required state of Tennessee regulations.

Distribution:

DOE Field Office, Oak Ridge
All K-25 Site Employees
Official Bulletin Boards

Remove: September 1991

ENCLOSURE 2

K-25 SITE
HIGH PRIORITY AIR EMISSIONS SOURCES

K-25 SITE
HIGH PRIORITY AIR EMISSIONS SOURCES

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
K-1401MSMC3	018526P	Electric bake oven in Motor Shop	K-1401	73-0106-66
FOAMPACK	025490P	Exhaust hood from foam packing operations	K-1401	73-1106-12
TSCAINCIN	032449I	TSCA Incinerator	K 1435	73 0106-78
Boiler No. 8	930870F (Amendment)	Gas/oil boiler	K 1501	73 0106 12
A1A2C3	029902F	Steam plant with two stacks	K-1501	73-0106-04, 05, 06, 07

SOURCES PRELIMINARY IDENTIFIED AS
NEEDING SOURCE EVALUATIONS AS A
RESPONSE TO THE LETTER OF AUGUST 26, 1991

Source	Building Location	Technical Contact
Lab Hood in AVLIS Mechanical Shop	K-1037	J. R. Jamison
Walk-in Spray Booth	K-1037	J. R. Jamison
Battery Room Vent	K-1037	J. R. Jamison
AVLIS Expansion Lab D	K-1037	J. R. Jamison
Burn Table	K-1401	G. E. Barger
Gas Bottle Drying Oven	K-1401	G. E. Barger
ENDO Gas Generator	K-1098-E	T. W. Avera
Vent from Flame Arrestor	K 1098 E	T. W. Avera
Lathe	K-1401	T. W. Avera
Lathe	K-1401	T. W. Avera
Lathe	K-1401	T. W. Avera
Furnace	K-1401	T. W. Avera
Furnace	K-1401	T. W. Avera
Vacuum System for Saw Dust Collector	K-1401	W. H. Johnson
Hood	K-1035	A. M. Watson
Paint Storage	K-1095	C. E. Kershaw
Hood	K-1035	D. F. Rogers
Hood	K-1501-II	C. C. Sweet
A/C Vent	K-1010	R. A. Puckett
Vent	K-1010	R. A. Puckett
Vent	K-1035	C. D. Oglesby

Source	Building Location	Technical Contact
Vent 49-0420	K-1004L	D. E. White
Pilot Plant Stack	K-K1004L	T. W. Selby
CCL4 Waste Drum Vent	K-1004L	T. W. Selby
Cooling Towers	K-802	L. E. Crowe
Cooling Towers	K-822A	L. E. Crowe
Cooling Towers	K-822B	L. E. Crowe
Diesel Pump Motor	K-802	K. I. Roy
Diesel Pump Motor	K-802	K. I. Roy
Fire Room Extinguisher Refill	K-1652	J. M. Roddy
TSCA Incinerator Ventilation Sweep	K-1435-B	T. O. Rogers
Flat Laminate Press	K-1004T	R. O Meyers
Autoclave	K-1004T	R. O. Meyers
Flat Laminate Press	K-1004T	R. O. Meyers
Oven No. 1	K-1004T	R. O. Meyers
Muffle Furnace	K-1004T	R. O. Meyers
Hydroclave Vacuum Pump	K-1200-Center Bay	R. O. Meyers
Bench Vents	K-1200-North Bay	R. O. Meyers

K-25 SITE
MEDIUM PRIORITY AIR EMISSION SOURCES

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
LIMESILO	025120P	Lime Silo	K-892	73-1106-08
SODASILO	024758P	Soda Silo	K-896	73-1106-24
THOODMETH	025493P	Methylene Chloride Ultrasonic Cleaner Hood	K-1004	73-1106-15
BONDHOOD	024502P	Mixing and Cleaning Hood	K-1010	73-1106-06
AVLISEXLAB	031404P	Vacuum System Vents - AVLIS Expansion Labs A and B	K-1037	73-0106-68
AVLISLCDEV	020692P	Spray Coating Exhaust - AVLIS Expansion Lab C	K-1037	73-0106-69
AVLISOVEN	021139P	Electric Oxidation Oven	K-1037	73-0106-73
AVLISLGB	022111P	Grit Blast Facility	K-1037	73-0106-77
AVLISLAB	997916P	AVLIS Laboratory Processes	K-1037	73-1106-35
K1095PS123	015830P	Paint Spray Operations	K-1095	73-0106-14
K1098FSB1	015098P	Sand Blast Facility	K-1098	73-0106-13
K1232LSS	024456P	Lime Storage Silo	K-1232	73-1106-26
275029PL	012506P	Plastic Shop Curing Oven	K-1401	73-0106-38
121659	016306P	Degreaser, 1,1,1 TCE	K-1401	73-0106-09
K140MB01	017336P	Reclaiming Service Oven	K-1401	73-0106-45
K1401MSMC1	017337P	Motor Curing Oven	K-1401	73-0106-32
PLS 2,3	021253P	Plastic Parts Curing Ovens Nos. 1,2,3 and 4	K-1401	73-0106-72

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
K1401T104	025658P	Acid Cleaning Tank - T-104	K-1401	73-1106-32
B-F210LIME	025443P	Lime Storage Silo	K-1407	73-1106-13
K1407ALIME	024455P	Lime Storage Silo	K 1407A	73 0106 25
K1413MS	015703P	Development Facility Vent	K-1413	73-0106-52
K1419-20	025250P	Floor Pan and Cylinder Cleaning Process	K-1419	73-0106-83
K1200CPL1	017051P	Spray Chamber, Ultrasonic Cleaner, and Solvent Degreaser	K-1420	73-0106-58
K1200CPL	017055P	Spray Chamber, Ultrasonic Cleaner, and Solvent Degreaser	K-1420	73-0106-54
K1420A	017846P	Area Plating Ventilation	K-1420	73-0106-55
237306VAPO	023797P	Degreaser - Perchloroethylene	K-1420	73-0106-49
PHILLIPSVA	023798P	Degreaser - Perchloroethylene	K-1420	73-0106-70
ECOALSIZIN	023796P	Coal Sizing and Conveying System	K-1505	73-0106-39

K-25 SITE
LOW PRIORITY EMMISSION SOURCES

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
K 25 B 2	012659P	ORGDP Laboratories and Ovens	K-25	73-0106-41
K-25-B-3	015596P	Wet Air Evacuation Vents	K-25	73-0106-50
K-25-B-1	016309P	Heat Exchange Medium Freon	K-25	73-0106-19
K-29-1	015097P	Wet Air Evacuation System	K-29	73 0106 63
16990COOL	024500P	Coolant Tank	K-402-8	73-0106-28
16989COOL	024500P	Coolant Tank	K-402-9	73 0106 28
327298	024500P	Freon Storage Tank	K-502-2	73-0106-28
327300	024500P	Freon Storage Tank	K-502-2	73-0106-28
K602WAP	024297P	Evacuation Wet Air Pumps or Air Jets	K-602	73-0106-93
2543LO	016310P	Lube Oil Tank	K-602-1	73-0106-23
2540LO	016310P	Lube Oil Tank	K-602-2	73-0106-23
325172	024500P	Freon Storage Tank	K-602-2	73-0106-28
2542LO	016310P	Lube Oil Tank	K-602-3	73-0106-23
2541LO	016310P	Lube Oil Tank	K-602-4	73-0106-23
325285	024500P	Freon Storage Tank	K-602-4	73-0106-28
2545LO	016310P	Lube Oil Tank	K 602 5	73-0106-23
2544LO	016310P	Lube Oil Tank	K-602-6	73-0106-23
K704316MO	016311P	Mineral Oil Tank	K-704	73-0106-24
2153MO	016311P	Mineral Oil Tank	K-732	73-0106-24

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
K7622140MO	016311P	Mineral Oil Tank	K-732	73-0106-24
2427MO	016311P	Mineral Oil Tank	K-762	73-0106-24
2428MO	016311P	Mineral Oil Tank	K-762	73-0106-24
2431MO	016311P	Mineral Oil Tank	K-792	73-0106-24
2432MO	016311P	Mineral Oil Tank	K-792	73-0106-24
CHROMATET1	024947P	Chromate Storage Tank	K-832	73-1106-10
K892NSAT	024500P	North Sulfuric Acid Tank	K-892	73-0106-28
K892SSAT	024500P	South Sulfuric Acid Tank	K-892	73-0106-28
CHROMATET2	024947P	Chromate Tank	K 892	73-1106-10
K894SAT	024500P	Sulfuric Acid Tank	K 894	73-0106-28
K902JET	024298P	Exhaust Jet	K-902	73-0106-93
K902 WAP	024298P	Wet Air Pump	K-902	73-0106-93
2310LO	016310P	Lube Oil Tank	K-902-1	73-0106-23
2311LO	016310P	Lube Oil Tank	K-902-1	73-0106-23
2318LO	016310P	Lube Oil Tank	K-902-1	73-0106-23
2319LO	016310P	Lube Oil Tank	K-902-2	73-0106-23
2320LO	016310P	Lube Oil Tank	K-902-2	73-0106-23
2321LO	016310P	Lube Oil Tank	K-902-2	73-0106-23
2312LO	016310P	Lube Oil Tank	K-902-3	73-0106-23
2322LO	016310P	Lube Oil Tank	K 902-3	73-0106-23

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
2323LO	016310P	Lube Oil Tank	K-902-3	73-0106-23
324383	024500P	Freon Tank	K 902 3	73-0106-28
324469	024500P	Freon Tank	K-902-3	73-0106-28
324470	024500P	Freon Tank	K-902-3	73-0106-28
2313LO	016310P	Lube Oil Tank	K-902-4	73-0106-23
2324LO	016310P	Lube Oil Tank	K-902-4	73-0106-23
2325LO	016310P	Lube Oil Tank	K-902-4	73-0106-23
2314LO	016310P	Lube Oil Tank	K-902-5	73-0106-23
2378LO	016310P	Lube Oil Tank	K-902-5	73-0106-23
2379LO	016310P	Lube Oil Tank	K-902-5	73-0106-23
PCB1-4	024947P	Emergency Storage Tanks for PCB Oil	K 902 5	73 1106 10
2315LO	016310P	Lube Oil Tank	K-902 6	73-0106-23
2380LO	016310P	Lube Oil Tank	K-902-6	73-0106-23
2381LO	016310P	Lube Oil Tank	K-902-6	73-0106-23
PCB1-3	024947P	Emergency Storage Tanks for PCB Oil	K-902-6	73-1106-10
2316LO	016310P	Lube Oil Tank	K-902-7	73-0106-23
2382LO	016310P	Lube Oil Tank	K-902-7	73-0106-23
2383LO	016310P	Lube Oil Tank	K-902-7	73-0106-23
2317LO	016310P	Lube Oil Tank	K-902-8	73-0106-23

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
2384LO	016310P	Lube Oil Tank	K-902-8	73-0106-23
2385LO	016310P	Lube Oil Tank	K-902-8	73-0106-23
K9028PCB	024947P	PCB Storage Tank	K-902-8	73-1106-10
OPTICOPY	024395P	Opti-Copy Machine	K-1001	73-1106-07
K1004L	012503P	Main Vent of Development Facility	K-1004	73-0106-35
K1004LOVEN	024299P	Sintering Oven	K-1004	73-0106-95
TWESTNOVEN	024301P	Fiber and Polymer Matrix Composites Curing Oven	K-1004	73-0106-96
TSOUTHOVEN	024304P	Fiber and Polymer Matrix Composites Curing Oven	K-1004	73-1106-01
K1004THOOD	024498P	Hood Evacuates Fumes from Mixing Epoxy Resin and Hardener	K-1004	73-1106-04
TCENTRHOOD	024756P	Hood Evacuates Fumes from Mixing Epoxy Resin and Hardener	K-1004	73-1106-04
TWIND1	029901P	Fiber Winding Spools with Epoxy Dip	K-1004T	73-1106-28
TWIND2	029901P	Fiber Winding Spools with Epoxy Dip	K-1004T	73-1106-28
TWIND3	029901P	Fiber Winding Spools with Epoxy Dip	K-1004T	73-1106-28
TWIND4	029901P	Fiber Winding Spools with Epoxy Dip	K-1004T	73-1106-28

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
BONDOVEN	024270P	Fiber and Polymer Matrix Composites Curing Oven	K-1010	73-0106-90
ROV323586	024271P	Oven for Curing Fiber and Polymer Matrix Composites	K-1023	73-0106-91
K1024FT1	025655P	Filter Test Facility	K-1024	73-0106-18
PLATE3	024302P	Acid Cleaning and Decontamination of UF6 Contaminated Parts	K-1035	73-0106-97
PLATE1	024305P	Epoxy Potting and Photometal Developing	K-1035	73-0106-99
AFIREDEPAR	012504P	Fire Department Training Facility	K-1045	73-0106-36
275387	015596P	Exhaust hood for cap coating	K-1200	73 0106 50
K-1200CPL	015596P	Component Prep Lab with 26 Vacuum Pumps	K-1200	73-0106-50
K1200CVTF	017339P	Centrifuge Verification Test Facility 10 Vacuum Pumps	K-1200	73-0106-62
K1200FAE	023762P	Krypton Xenon Isotope Separation Process	K-1200	73-0106-86
NBAYOVEN	024272P	North Bay Oven Cures Fiber and Polymeric Matrix Composites	K-1200	73-0106-92
CENTERBAY	024910P	Two Hoods Vent Mixing Epoxy Resins, Coating Fibers, Winding Fibers	K-1200	73-0106-87

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
CENTERBAYO	024910P	Center Bay Oven for Curing Fiber and Polymer Matrix Composites	K-1200	73-0106-87
CENTERBHOO	024910P	Center Bay Hood Evacuates Fumes from Mixing Epoxies and EVAP Solvents	K-1200	73-0106-87
CENTERBAY1	026548P	Two Hood Vent Mixing Epoxy Resins, Coating Fibers, Winding Fibers	K-1200	73-0106-87
CENTERBAY01	026548P	Center Bay Oven for Curing Fiber and Polymer Matrix Composites	K-1200	73-0106-87
CENTERBHOO1	026548P	Center Bay Hood Evacuates Fumes and Polymer Epoxies and EVAP Solvents	K-1200	73-0106-87
K1200FAE1	029192P	Isotope Separating Process	K-1200	73-0106-86
2508LO	016310P	Lube Oil Tank	K-1202	73-0106-23
2509LO	016310P	Lube Oil Tank	K-1202	73-0106-23
K1202ST1	024911P	Tank Stores Waste Oils and Solvents for Incinerator	K-1202	73-1106-20
K1232NAAT	024614P	North Acetic Acid Tank	K-1232	73-1106-23
K1232SAAT	024614P	South Acetic Acid Tank	K-1232	73-1106-23
K1300BS	012505P	Hazardous Operations Emergency Vent	K-1300	73-0106-37
BS3OVENS	029896P	Equipment Preparation Stands and Product Sampling Area	K-1300	73-0106-30

K-25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
JIGANDFIXT	029898P	Vacuum Exhaust for Parts Fabrication in the Jig and Fixture Shop	K-1401	73-0106-71
K1401EHCLT	024500P	Hydrochloric Acid Tank	K-1401	73-0106-28
TRICHOETAN	024947P	Trichloroethane Storage Tank	K-1401	73-1106-10
COMPOSMACH	025514P	Composite Machining Process	K-1401	73-0106-88
MACHINESHO	025585P	Vent From Machine Shop Exhaust System	K-1401	73-1106-09
LHGLOVB123	026679P	Glove Boxes in Which LIH Parts Will Be Tested and Machined	K-1401	73-1106-03
K1407ASAT	024454P	Sulfuric Acid Storage Tank	K-1407	73-1106-21
97720TRICH	012661P	Trichloroethane Tank	K-1413	73-0106-52
PROPANE	024500P	Propane Storage Tank	K-1413	73-0106-28
K1414RG	016312P	Gasoline Storage Tank	K-1414	73-0106-28
K1414UG	016312P	Underground Gasoline Storage Tank	K-1414	73-0106-28
DIESEL	024335P	Underground Storage Tank Diesel	K-1414	73-1106-02
K1414UG	024500P	Underground Storage Tank Methanol Mixture	K-1414	73-0106-28
F-4860-CBP	025243P	Sulfuric Acid Tank	K-1419	73-1106-19
F200CBP	025243P	Sulfuric Acid Storage Tanks	K-1419	73-1106-19

K 25 Site Source No.	Permit Number	Source Description	Bldg. No.	Reference No.
K 1420B	015097P	Vent for Small Parts Cleaning	K-1420	73-0106-63
K-1420C	015097P	Vent for Electroless NI Plating	K-1420	73-0106-63
DISASSEMBL	021563P	Disassembly Stand for Dismantling Parts	K-1420	73-0106-74
K1420A1	024396P	Flammable Materials Storage Tank	K-1420	73-0106-82
NITRICATNE	024453P	Nitric Acid Storage Tank North East	K-1420	73-1106-22
NITRICATNW	024453P	Nitric Acid Storage Tank Northwest	K-1420	73-1106-22
NITRICATSE	024453P	Nitric Acid Storage Tank Southeast	K-1420	73-1106-22
NITRACATSW	024453P	Nitric Acid Storage Tank Southwest	K-1420	73-1106-22
WOS ABCD	029895P	Waste Oil and Solvent Storage Tanks	K-1425	73-0106-11
CTANKFARM	024105P	Tank Farm for Hazardous Liquid Wastes	K-1435	73-0106-75
2720F020IL	016312P	Fuel Oil Storage Tank	K-1501	73-0106-28
2810F02OIL.	016312P	#2 Fuel Oil Storage Tank	K-1501	73-0106-28
K1501SAT	024500P	Sulfuric Acid Tank	K-1501	73 0106-28
NALUMTANK	024500P	Aluminum Sulfate Storage Tank North	K-1515	73-0106-28
SALUMTANK	024500P	Aluminum Sulfate Storage Tank South	K-1515	73-0106-28