DOCKET NO. 70-58

MARTIN MARIETTA CORPORATION

DENVER DIVISION

POST OFFICE BOX 179, DENVER, COLORADO 80201 TELEPHONE (303) 794-5211

Region I ens

For Div. of Compliance

May 1, 1970

480

Mr. Roger Woolsey
Division of Materials Licensing
United States Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Woolsey:

Herewith are supplementary attachments 1 and 2 as required by your office to complete our application for radioactive materials license to permit decontamination of our Baltimore nuclear laboratory.

Attachment 1 consists of the Corporation's annual report listing the names of our Corporate officers and officers of Chesapeake Park, Inc.

Attachment 2 consists of radiation mapping showing the type of isotopes, equipment and contamination levels measured throughout the laboratory.

The contamination survey was conducted by the use of an Eberline gas proportional alpha counter, model PAC-3G, Eberline beta plus gamma meter, model E-112B-1, and Eberline gamma meter, model E-120G. An Eberline PRM-5 pulse rate meter was also used during the survey by a health physicist from Eberline. Transferable contamination was determined by swiping areas with Whatman 41 filter paper and counted for gross alpha and beta activity.

Removable alpha contamination was found on top of false ceilings, fixtures, ledges, and some duct systems with levels ranging from 100 d/m/60CM^2 to 50,000 d/m/60CM^2.

Note: The open window area of the survey meter is 60CM^2 and not 100 CM^2 as was thought by some people.

In some areas where glove boxes are contained, alpha contamination will vary from 75,000 to 200,000 d/m/60CM^2. It is noted that the above contamination is contained inside the glove boxes.

B/8

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The maximum beta-gamma contamination in one particular laboratory (Radioisotope Lab) showed dose rates of 10mr/hr to 200mr/hr due to a Sr^{90} incident. The maximum amount of special nuclear materials present throughout the laboratory is estimated to be less than 100g.

If there are any questions relative to our decontamination program, please contact me.

Sincerely,

Elmer M. Chenault

Elmer M. Chenault
Sr. Health Physicist

EMC/gn

Enclosures 2

cc: F. F. Nunez
James Stewart

DOCKET NO. 70-58

MARTIN MARIETTA CORPORATION

Received w/Ltr Dated MAY 1 1970

Corporate Headquarters: 277 Park Avenue
New York, N. Y. 10017
Tel: 212-826-5050
Cable address: MEKRAMS NEW YORK

President	George M. Bunker
President's Office	Mary Jane LaBarge
Executive Vice President	Joseph E. Muckley
Executive Vice President's Office	Jean Marra
Vice President	John E. D. Grunow
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Financial Research Analyst	Michael R. Imbriani
Assistant Secretary	Jeffry H. Kittross
Director Insurance	James H. Hughes
Administrator-Corporate Insurance	Thomas A. McElroy
Manager Insurance-Commercial Operations	Donald W. Trovinger
Administrator Group Insurance	James E. Colton
Manager Pensions	Fred R. DeBrower
Pension Analyst	Thomas J. Healy
Director Safety	J. Milton Durham
Associate Director Safety	Robert M. Holderied
Corporate Controller	Robert J. Norris
Director Accounting	Eugene M. Hardis
Assistant Director Accounting	Charles L. Oslund
Supervisor Consolidation Accounting	James M. Martinez
Supervisor Investment Accounting	Daniel P. Bradley
Supervisor General Accounting	Chester Sylvester
Accountant Consolidations	Chioday Chen
Accountant Payroll	Michael W. Peters
Accountant Investments	William K. O'Donnell
Director Forecasting	Peter F. Sherwood
Financial Analyst	Richard D. Gates
Director Auditing	Kurt L. Pauly
Senior Auditor	Walter Berger
Senior Auditor	Stephen S. Lenhart
Auditor	James P. Judge
Auditor	George J. Pattaras

Director Taxes	Earle A. Elliott
Assistant Director Taxes	Arnold Chiet
Supervisor Depreciation & Depletion	Ross D. Spagnolo
Supervisor Research & Analysis	John G. Aris
Supervisor Federal Income Taxes	Bert B. VanDuzer
Supervisor State & Local Taxes	Joseph J. Kroth
Tax Accountant	Carl Pitter
Tax Accountant	Celia Borenstein
Assistant Controller Corporate Group	Robert A. Bischoff
Financial Analyst	John J. Crosby
Assistant Controller Chemical Division	John P. Fucigna
Financial Analyst	Vacant
Assistant Controller Rock Products Division	Stanley W. Ihde
Financial Analyst	George J. Bruck
Director Data Systems	Paul F. McElwee
Director Commercial Relations	Ian M. MacLachlan
Director Corporate Relations	W. Murray Sanders
Manager Transportation	Stephen T. Kelsey, Jr.
Economics & Investment Analyst	Norman Schiff
Director Corporate Development	Thomas D. Scriggins
Director Facilities	Malcolm Fenton
Facilities Engineer	Saul Geller
Manager Architectural Services	Dwight R. Smith
Manager Office Services	John J. Reidy
Office Services	E. Ruben Ysidron
Chauffeur	Frank J. Vitale
Senior Project Engineer	John R. Knox
Director Mobile Equipment & Procurement	William C. Hempfling
Policies & Procedures Analyst	Clinton Q. Richmond
Financial Analyst	E. H. Sundquist
Chartist	A. Cruz
Operations Analyst	Anthony E. Ciamarra
Director Information Systems	Malcolm L. Heron
Senior Systems Analyst	Leif H. Hansen
Senior Systems Analyst	Edward P. Calapa
Senior Systems Analyst	Joseph J. McGrath
Senior Program Analyst	Martin A. Mullen
Systems Analyst-Scientific	Joel H. Horden
Systems Analyst-Scientific	Barry J. Effron
Junior Programmer	Barbara Adinolfi

Director Real Estate	Robert M. Newman
Assistant Director Real Estate	John A. McCarthy
General Counsel	Clark C. Vogel
Assistant General Counsel-New York	J. Lee Murphy
Assistant General Counsel-New York	Edwin V. Petz
Assistant General Counsel-New York	Harry L. Smith
Assistant General Counsel-Friendship	James T. Ellison
Division Counsel-Baltimore	Joseph P. Alcarese
Division Counsel-Denver	J. Lester Reed
Division Counsel-Orlando	William M. Joyce
Patent Counsel-New York	John A. Crowley
Assistant to Patent Counsel-New York	Francis J. Mulligan
Senior Patent Attorney	Alvin H. Fritschler
Aerospace Group Patent Counsel-Friendship	Gay Chin
Division Patent Counsel-Southern Dyestuff	Wilton Rankin
Special Counsel	Clarence W. Miles
Vice President-Industrial Relations	Douglas V. Dorman
Director Personnel Administration-Corp. Hdqtrs.	William R. Birch
Staff Specialist	Ronald E. Froede
Administrative Assistant	Mary De Palma
Director-Employee & Urban Relations	Harry G. Green
Administrator-Minority Relations	George P. Wood
Staff Specialist	Doyle T. Smith
Director-Manpower Development	John F. Connors
Manager-Personnel Resources	Francis W. Hartzell
Director Employee Relations-Aerospace	Thomas J. Cummins
Director Compensation & Personnel Policies	A. George Ueberroth, Jr.
Administrator-Compensation & Personnel Policies	John W. Gordy, Jr.
Administrator-Compensation & Personnel Policies	Thomas C. Rodney
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Director-Industrial Relations-Baltimore	Charles E. Crowley
Director-Industrial Relations-Denver	Joseph H. Baylis
Director-Industrial Relations-Orlando	Thomas P. Moran
Director-Industrial Relations-Martin Metals	J. Neal Wise
Vice President-Public Relations	Roy L. Calvin
Director Public Relations	William B. Harwood
Director of Special Projects	William C. Tracey
Director Editorial Services	Wellington F. Osterloh
Manager of News Bureau	Robert M. Fisher
Director Public Relations-Aerospace	William D. McBride
Denver	John H. Boyd, Jr.
Orlando	Edward J. Cottrell
Vice President	George S. Trimble

AEROSPACE GROUP

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Maryland 21240
Tel: 301-761-5200

Thomas G. Pownall	President
Albert C. Hall	Vice President-Engineering
Joel M. Jacobson	Vice President-Development
Charles H. Leithauser	Vice President-Administrative Operations
Howard W. Merrill	Vice President-Production Operations
Melvin A. McCubbin	Controller & Treasurer
George F. Metcalf	Consultant
James T. Ellison	Assistant General Counsel
William D. McBride	Director-Public Relations

OPERATING UNITS:

Baltimore Division	Middle River, Md.
Denver Division	Denver, Colo.
Orlando Division	Orlando, Fla.
The Research Institute for Advanced Studies (RIAS)	Baltimore, Md.

AEROSPACE GROUP'S OTHER FACILITIES:

Washington Operations Office:
815 Connecticut Avenue
Suite 202
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Tel: 202-296-1965

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Howard F. Keyser	Director-Washington Region
Eddie H. Ball	Manager-Washington Office
Charles R. Roderick	Assistant to Vice President
Jess W. Sweetser	Consultant

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3313 South Memorial Parkway — Regional Office
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Tel: 205-881-1350
Thomas L. Burkett, Director

Alabama (cont'd.)

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Huntsville, Alabama 35801

Apollo Applications Program
(Reports to Denver Division)

California

Airport Imperial Building
Suite 422
999 North Sepulveda Boulevard
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Tel: #213-322-2646
#213-772-5521
James O. Thompson, Jr., Director

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Tel: 805-942-8448
Peter A. Abate, Manager

District Office of El Segundo

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Shalimar Office Center
P. O. Box 776 - Suite 105
Shalimar, Florida 32579
Tel: 904-651-1316
M. Ralph Green, Manager

District Office of Dayton

Massachusetts

9 Mercer Road
Natick, Massachusetts 01760
Tel: 617-235-8280
Richard J. McCusker, Director

Regional Office

New Jersey

Crystal Brook Professional Bldg.
Highway #35
Eatontown, New Jersey 07724
Tel: 201-542-3355
John J. Killelea, Director

Regional Office

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P.O. Box 456
2208 Hancock Street
Bellevue, Nebraska 68005
Tel: 402-291-3691
Arthur C. Banning, Manager

District Office of Dayton

Ohio

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Dayton, Ohio 45414
Tel: 513-277-8922
Joseph N. Kremonas, Director

Regional Office

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1730 NASA Boulevard
Houston, Texas 77058
Tel: 713-488-4006
John Stap, Jr.

Regional Office

Virginia

2019 Cunningham Drive
Hampton, Virginia 23366
Tel: 703-838-4410
Lester J. Rose, Manager

District Office of Washington

* Mail Address should be: Box G, Riverdale Station
Hampton, Va. 23366

Germany: Regional Office

APO, New York 09102
Tel: Civilian 34143
Cable: Marco Heidelberg
H. Glen Wood, Director

District Office: of Heidelberg

APO, New York 09633
Tel: Civilian 30-40-88
Cable: Marco Wiesbaden
Bergen B. Hovell, Manager

DENVER DIVISION

Mail Address: Martin Marietta Corporation
P. O. Box 179
Denver, Colo. 80201

William G. Purdy	Vice President & General Manager
John H. Boyd	Director-Public Relations
Frank X. Bradley	Vice President-Marketing
Caleb B. Hurtt	Director-Manned Space Systems
Albert J. Kullas	Vice President-Planetary Systems
David S. LeVine	Vice President-Launch Vehicles
J. Lester Reed	Division Counsel
Richard M. Ringoen	Director-Special Projects
Robert S. Williams	Vice President-Technical Operations
Laurence J. Adams	Director-Engineering
Theodore G. Adams	Controller-Finance
Joseph H. Baylis	Director-Professional & Industrial Relations
Charles E. Carnahan	Director-Vandenberg Operations
Joseph J. Gogenola	Director-Manufacturing
Nobert M. Graham	Director-Materiel
Mark J. Lecker	Director-Contracts
Lester J. Lippy	Director-Quality
Stanley R. Sadin	Director-Research & Development
Joseph M. Verlander	Director-Canaveral Operations
Richard E. Weber	Director-Administration

Major Product Areas:

Titan II
Titan IIIB
Titan IIIC
Titan IIID
Manned Space Systems
Apollo Applications Program
Planetary Systems
Viking Mars Lander

Denver Division Facilities:

Waterton Facility Denver, Colo. 80201 Tel: 303-794-5211	Executive Offices and all functions other than those shown below.

BALTIMORE DIVISION

P. O. Box 988
Baltimore, Maryland 21203
Telephone #301-687-3800

Vernon R. Rawlings	Vice President
Donald E. Meneely	Director-Support Operations
Donald W. Chrisman	Director-Modification Operations
Adolph A. Vlcek, Jr.	Director-Production Operations

PRESENT PROGRAMS

Modification Programs, Aircraft
Production Programs, Sub-Contracts

Baltimore Division Facilities

Middle River
Baltimore, Maryland 21203
Tel: #301-687-3800

DENVER DIVISION

Mail Address: Martin Marietta Corporation
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Denver, Colo. 80201

William G. Purdy	Vice President & General Manager
John H. Boyd	Director-Public Relations
Frank X. Bradley	Vice President-Marketing
Caleb B. Hurtt	Director-Manned Space Systems
Albert J. Kullas	Vice President-Planetary Systems
David S. LeVine	Vice President-Launch Vehicles
J. Lester Reed	Division Counsel
Richard M. Ringoen	Director-Special Projects
Robert S. Williams	Vice President-Technical Operations
Laurence J. Adams	Director-Engineering
Theodore G. Adams	Controller-Finance
Joseph H. Baylis	Director-Professional & Industrial Relations
Charles E. Carnahan	Director-Vandenberg Operations
Joseph J. Gogenola	Director-Manufacturing
Nobert M. Graham	Director-Materiel
Mark J. Lecker	Director-Contracts
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Stanley R. Sadin	Director-Research & Development
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Richard E. Weber	Director-Administration

Major Product Areas:

Titan II
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Manned Space Systems
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Planetary Systems
Viking Mars Lander

Denver Division Facilities:

Waterton Facility Denver, Colo. 80201 Tel: 303-794-5211	Executive Offices and all functions other than those shown below.

Denver Facilities (cont'd.)

Cambridge Facility
Birch Street & E. Exposition Avenue
Glendale, Colo. 80222
Tel: 303-794-5211

Materiel.
Finance (Central).

Administration (Business Computer Operations and Data Systems).

Canaveral Operations
Cocoa Beach, Fla. 32931
Tel: 305-783-2231
Joseph M. Verlander, Director

Titan Flight Testing (Reports to Denver Division). Eastern Test Range Launch Operations.

Vandenberg Operations
P. O. Box 1681
Vandenberg Air Force Base
Calif. 93436
Tel: 805-866-1611 and
805-734-4431
Charles E. Carnahan, Director

Titan Flight Testing.
Western Test Range Launch Operations (Reports to Denver Division).

Huntsville Operations
P. O. Box 3040
Blue Springs Station
Huntsville, Ala. 35810
Tel: 205-859-3300
Marshall E. Turner, Manager

Apollo Applications Program (Reports to Denver Division).

Apollo Applications Office
L'Enfant Plaza
955 L'Enfant Plaza North
Room P-101
Washington, D. C. 20024
Tel: 202-554-5100
Richard Summers, Manager

ORLANDO DIVISION

Mail Address: Martin Marietta Corporation
P. O. Box 5837
Orlando, Fla. 32805

George E. Smith	Vice President and General Manager
Fred A. Payne	Vice President Technical Operations
Sidney Stark	Vice President and Program Director Ballistic Missile Defense Systems
Robert J. Whalen	Vice President-Advanced Programs & Marketing
Herman R. Staudt	Vice President-Management Operations
Robert W. Cuthill	Director-Administration
Arthur Ahlin	Director-Contracts
R. Dewey Rinehart	Director-Engineering
Charles A. Dyson	Controller-Finance
Edward J. Cottrell	Director-Public Relations
Edward R. Adelson	Director-Logistics
Vernon L. Keene	Director-Manufacturing
Charles P. Kish	Director- Materiel
Thomas P. Moran	Director-Professional & Industrial Relations
Kermit F. Wasmuth	Director-Quality
William M. Joyce	Division Counsel
George L. Wannall	Director-Mars
James N. Dunlop, Jr.	Director-Communications/Electronics Operations
Nicholas D. DePasquale	Director-Pershing Program
H. Clay Johnson	Director-SAM-D Program
Willard P. Wicks	Director-ASM Programs
Dan A. Peterson	Director-Marketing
Ronald H. Schack	Director-Fire Control & Lasers
Charles H. Plyer	Director-Laser Programs
Kerry R. Fox	Vice President-Communications & Electronics

Present Programs:

SPRINT - Surface-to-air interceptor missile, advanced development, testing and production planning.

PERSHING - Surface-to-surface ballistic missile, ground support equipment, manufacturing.

RADA - R & D Communications study and prototype development.

XAGM-79A - Air-to-surface missile, guidance development and test.

WALLEYE - AGM-62A Air-to-surface missile, manufacturing.

SAM-D - Surface-to-air missile system, advanced development and prototype.

ORLANDO DIVISION

Present Programs (cont'd.)

LASER R & D and manufacture of laser devices for weapons systems application.
STANDARD ARM WARHEAD PROGRAM - Development and manufacturing.
ADVANCED PROGRAMS IN ASM, SSM, & SAM - Studies and development.

Orlando Division Facilities:

Kirkman and Sand Lake Roads Orlando, Fla. Tel: 305-855-6100	Headquarters: Manufacturing, Research, Engineering, Administrative Functions.
Sand Lake Road Orlando, Fla. Tel: 305-855-6100	Building 10 - Receiving, Receiving Inspection, Raw Stores, Manufacturing. Building 10A - Manufacturing, Laboratories, Materiel.
Herndon Airport Orlando, Fla. Tel: 305-841-3750	Building 1 - Storage & Shillelagh Support.
Herndon Airport Orlando, Fla. Tel: 305-841-3750	Building 2 - Shillelagh Manufacturing. Building 2A - Storage and Shillelagh.
Orlando Central Park Orlando, Fla. Tel: 305-855-1050	Building 11 - Accounting and Engineering.
Orlando Central Park Orlando, Fla. Tel: 305-855-1050	Building 12 - Computer Applications Administration and DCAA.
Orlando Central Park Orlando, Fla. Tel: 305-855-1050	Building 13 - Computer Applications Administration.
Orlando Central Park Orlando, Fla. Tel: 305-855-1050	Building 14 - Logistics Support Administration.
Orlando Central Park Orlando, Fla. Tel: 305-855-1122	Building 115 - Warehouse, Tool and miscellaneous storage, terminated material storage, GFE storage, GFE vehicle repair.

CHESAPEAKE PARK, INC.
P. O. Box 5061
Baltimore, Maryland 21220

Board of Directors:

James T. Ellison
Jeffry H. Kittross
Charles H. Leithauser
William L. Lucas
Ross G. Macaulay
Howard W. Merrill
Robert M. Newman

Officers:

President - Charles H. Leithauser
Vice President - William L. Lucas
Secretary - Treasurer - Ross G. Macaulay
Assistant Secretary - Jeffrey H. Kittross

Vice President and General Manager - G. Wendel Heineman

CONTAMINATION LEVEL SURVEY

Isotope	Location	Equipment	Contamination Levels in dpm/$100cm^2$	Fixed	Removable	Remarks
None	Shower & Clean Rooms	None	Nondetectable	---	---	Clean area
U Nat. U^{235}	Inorganic Chemistry Lab	Benches, hoods, glove boxes	10,000 - 25,000	Yes	Yes	Residual U oxides will be vacuumed. Equip will be packaged and shipped to burial
U^{235}	Corrosion Lab.	Vent. hoods, benches	5,000	Yes		Equipment shall be packaged and shipped to burial ground in Morehead, Kentucky.
U^{235} & U^{238}	Ceramics Lab.	Lab. benches, hoods & ducts	15,000		Yes	Same as above.
U^{235}	Powder Metal Room	Glove boxes, hoods & ducts	75,000 - 100,000		Yes	Same as above.
U^{235} & U^{238}	Welding Rm.	Canopy hoods	1,000	Yes		Same as above.
U^{235}	Dust Collectors	Filters and Hoods	50,000 - 100,000	Yes	Yes	Same as above.
U^{235}	Spherodizing Room	Glove boxes, blenders	75,000 - 80,000	Yes	Yes	Same as above
U^{235}	Powder Room	Vertical Rolling Mill	200,000	Yes		Same as above.
U^{235}	Pellet Room	Balance Scale Glove Box	20,000	Yes	Yes	Same as above.
U^{235} & U^{238}	Metallographic Laboratory	Cutoff wheels Enclosure Hoods, and Glove boxes	25,000 - 30,000	Yes	Yes	Same as above.
U^{235}	Welding Rm.	Canopy hoods & ducts	1500	Yes		Equipmt. shall be packaged and shipped burial grounds, Morehead, Kentucky
Sr^{90}	Radioisotope Laboratory	Wall area encompassing approx. 3' x 6'	10-200 MR/HR	Yes		Contamination shall removed and shipped burial grounds.
U^{235} & U^{238}	Main Hallway	Floors and walls	100 150		Yes	Slight residual oxide will be vacuumed.
U^{235}	Vault Rm.	Racks	500		Yes	Racks will be decontaminated in place
U^{235}	Pellet Rm.	Glove boxes ducts & hoods	2000		Yes	Equipment shall be packaged and shipped burial grounds.
U^{235}	Furnace Rm.	Canopy hoods & ducts	1000 - 1500	Yes		Same as above.

CONTAMINATION LEVEL SURVEY
(Continued)

Isotope	Location	Equipment	Contamination Levels in dpm/60CM^2	Fixed	Removable	Remarks
U^{235}	Radiation Physics Lab	Tables, benches, desks	500-700			Same as above.
U^{235}	Radiation Physics Office	Desks	Clean	---	---	
--	Gamma Pool	Swimming Pool Water	Clean	---	---	Sealed Co^{60} source stored in pool.
H^3	Neutron Generator Lab	Hoods & ducts	- - -	Yes		Equipment shall be packaged and shippe to burial grounds.
U^{235}	Machine Shop	Canopy hoods & ducts	2000	Yes		Same as above.
U^{235}	Fabrication Rms. 1 & 3	Ducts, hoods	5000 - 8000	Yes	Yes	Same as above.
—	Majority of Halls, Walls, and Aisles	None	Relatiyely clean 100 100		Yes	All floors and wall will be cleaned.