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**LOCKHEED MARTIN**

MISSILES & SPACE : VALLEY FORGE OPERATION

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January 21, 1998

Mr. Mohamed M. Shanbaky, Chief  
Division of Radiation Safety and Safeguards  
US Nuclear Regulatory Commission, Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415

Dear Mr. Shanbaky:

Subject: Notification of Change in IRAG Chairman and Other Members  
re: License No. 37-02006-09  
Docket No. 030-12894

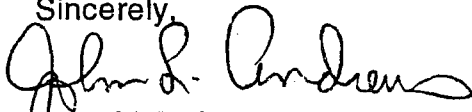
Lockheed Martin Corporation hereby provides notification of the current Chairman and Other Members of its Ionizing Radiation Advisory Group (IRAG) at its 'Valley Forge' facility to update information provided for the last renewal of the above referenced License.

The current Chairman is Dr. Todd Hoover, M.D and the current Secretary is the undersigned RSO. Other members are Eileen Wisser, Scott Bean, Todd Williams and Jeff Evans. Resumes of these individuals are submitted as Attachment No. 1.

Our omission in providing this current information was brought to our attention in December 1997 by one of your Region staff members.

If you have any questions regarding this, feel free to call me.

Sincerely,

  
John L. Andrews,

Radiation Safety Officer and IRAG Secretary

cc: T. Hoover, M.D.,  
E. Wisser

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**ATTACHMENT NO. 1**

**Resumes  
of the Current Members of the  
Ionizing Radiation Advisory Group (IRAG)**

January, 1998

Lockheed Martin Corporation  
Valley Forge Operation  
P.O. Box 8555  
Philadelphia, PA 19101

## Resume

Dr. Todd A. Hoover, M.D.  
Staff Physician  
Chairman, Ionizing Radiation Advisory Group

Information in this record was deleted in  
accordance with the Freedom of Information Act.  
Exemptions 1, 2, 7, 1, 4  
FOIA/PA 2, 0, 0, 7, 1, 4

### A. Education

Residency	Family Medicine at Montgomery Hospital/ Temple University, 1992
Internship	Hartford Hospital, Hartford, CT, 1985
Medical	Jefferson Medical College, 1984
Pre-medical	Pennsylvania State Univ., B. S. in Science, (b)(6) <span style="float: right;">EX 6</span>

### B. Experience

- Lockheed Martin Corp. Valley Forge Operation, 1994 to present  
Staff Physician  
Supervision of surveillance programs and acute medical care. Perform physical exams, OSHA-required surveillance exams and provide appropriate medical care. Member of Environmental Health and Safety Ergonomic Committee.
- Private Practice Family Medicine, Narberth, PA, 1994 to present  
Physician
- Medical Officer, US Navy, 1985 to 1989  
Director of Philadelphia Naval Shipyard Dispensary  
Supervision of Surveillance Programs including Ionizing Radiation and Training Program in Ionizing Radiation Management

### C. Affiliations

- American Academy of Family Practice, 1990 to present

## Resume

John L. Andrews

Radiation Safety Officer and Secretary, IRAG

Senior Staff Engineer, EMC/Survivability Engineering Component

### A. Education

S.B. Degree in Physics, Massachusetts Institute of Technology

M.S. Degree in Nuclear Science and Engineering,  
Rensselaer Polytechnic Institute

### B. Experience

- Lockheed Martin Corp., Valley Forge Operation, King of Prussia, PA  
Senior Staff Engineer and Radiation Safety Officer
- Martin Marietta Astro Space Division, King of Prussia, PA  
Principal Development Engineer and Radiation Safety Officer
- GE Astro Space Division, King of Prussia, PA  
Principal Development Engineer and Radiation Safety Officer
- GE Spacecraft Department, King of Prussia, PA  
Radiation Effects Engineer
- GE Advanced Nuclear Systems Operation, King of Prussia, PA  
Nuclear Systems Engineer
- GE Radiation Effects Laboratory, Syracuse, NY  
Experimental Radiation Physicist
- GE, Aircraft Nuclear Propulsion Department, Evendale, OH  
Nuclear Test Engineer

Four years experience as Radiation Safety Officer. Twenty-five years experience in project supervision performing nuclear survivability studies principally on semiconductor electronics and shielding for various aero-space programs. Thirty-seven years experience in radiation measurement, electronics damage analysis and shielding for a wide variety of nuclear environments. Operated AECL Gammacell Model 220 Irradiators, zero power reactor, LINACs and flash/steady state x-ray machines.

In 1962 he completed a Reynolds Electrical Co. Radiological Safety Training course at the AEC Nevada Test Site. In 1992 he completed the *Radiation Safety Officer* training course at Radiation Safety Associates, Inc., Hebron, CT.

### C. Specific Isotope Experience

- Enriched uranium: gram quantities, reactor development program, 1.5 years, in a critical assembly used for reactor design study (~1960).
- Cobalt 60: Kcuries, this location, 1978 to present, in Gammacell 220 Irradiators for dosimetry calibrations and test sample exposures

## Resume for John L. Andrews

### C. Specific Isotope Experience, concluded

- Various general licensed small sources, this location, 1992 to present, for calibration of leak-test instrument
- Cobalt 60: millicurie source, this location, 1994 to present, in a custom sealed source irradiator
- Cesium 137: Millicurie source, 1980's at this location for calibration of dosimeters
- Mixed isotopes (neutron-irradiated electronics): microcurie sources, this location, 1977 to present, for R & D in radiation effects in electronics

### D Affiliations

- Health Physics Society: Member, Delaware Valley Chapter
- IEEE, Member
- American Nuclear Society, former member

## Resume

Eileen M. Wisser  
Manager, Environmental, Health & Safety, VFO

### A. Education

Management in Business Administration, Pennsylvania State Univ.,  
(Master of Science Program in progress).

Mechanical Engineering Continuing Studies, Union College, Schenectady, NY

B.A. in Biology/Chemistry, College of Saint Rose, Albany, NY

RADCON Maintenance School (1988)

This training covered radiation protection, radioactivity measurements,  
monitoring techniques and instruments, calculations basic to the use and  
measurement of radioactivity and biological effects of radiation.

Mechanical Operations and MARF (Reactor) Plant Orientation (6 months)

Numerous Professional Development Courses/Seminars related to Compliance  
with OSHA, EPA and DOT Regulations.

### B. Experience

- Lockheed Martin Corp., Valley Forge Operations, King of Prussia, PA  
Environmental, Health & Safety Manager
- Martin Marietta/GE Astro Space, King of Prussia, PA  
Senior Staff Environmental Engineer
- GE Knolls Atomic Power Laboratory, Windsor, CT  
Environmental Engineer  
Participated in emergency responses to environmental and radiological  
incidents.  
Chemistry and Radiological Controls Instructor.
- GE Knolls Atomic Power Laboratory, West Milton, NY  
Chemistry & Radiological Controls Instructor  
Participated in Radiological Emergency Response Team.
- Sterling Winthrop Pharmaceutical Co., Rensselaer, NY  
Research Analytical Chemist
- NYS Department of Environmental Conservation, Albany, NY  
Environmental Chemist

Resume for Eileen M. Wisser, Concluded

C. Specific Isotope Experience

- Check Sources for Contamination Monitors
- Sources for Scintillation Counters
- Training of Workers in safety of Operations with radioisotopes including cobalt, cesium, iridium, germanium, krypton, americium, uranium and fission products.

D. Affiliations

- National Association of Environmental Professionals
- PA DER Roundtable
- PA Chamber of Business and Industry
- Upper Merion (PA) Industrial Users Group, Chairman

## Resume

Jeff Evans  
Staff Safety and Health Engineer  
Communications and Power Center\* (started July 1997)

### A. Education

B.S. - Occupational Safety and Industrial Hygiene Management; Millersville University, Millersville, PA

M.S. - Environmental Health Science; Temple University, Philadelphia, PA  
Health Physics; Spring Semester, 1995 (2 credits). Instruction on operation of radiation survey instruments, theory of ionizing and non-ionizing radiation, in depth review of the NRC regulations, radiation safety program development for effective protection of radiation workers.

Radiation Safety - American University, Washington, DC

Physics Department - Dr. Romeo Segnan. Instruction covered review of scintillation counting for P-32; S-35, performing a contamination survey for beta emitters, sealed source leak surveys, radiation survey instrumentation, theory of ionizing radiation and NRC regulations.

### B. Experience

Lockheed Martin Missiles and Space, East Windsor, NJ

Coordination of X-ray safety and permit program TLD badge program for radiation safety program. Coordination of annual IRAG meeting for review of Radiation Safety Written Program. Prime activity was in industrial hygiene and safety engineering. 1.5 years experience.

American University, Washington, DC Associate Radiation Safety Officer.

Performed contamination surveys in University laboratories for phosphorous-32 and sulfur-35 (sequencing gels) and performed leak checks on sealed sources - Cobalt-57, Cobalt-60. Coordinated Radiation Waste Disposal Program for P-32 and S-35. Coordinated Radiation Safety Committee meetings on a quarterly basis. 4 years experience.

### C. Certifications

American Society of Safety Engineers, Certified Safety Professional (CSP)

### D. Associations

American Society of Safety Engineers  
American Industrial Hygiene Association

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\*: The CPC is located at Newtown, PA



Resume

Scott D. Bean  
Senior Industrial Hygienist

Information in this record was deleted in  
accordance with the Freedom of Information Act.  
Exemptions 6  
FOIA/PA 609-144

A. Education

- Assoc. of Liberal Arts, Montgomery County Community College, (b)(6)
- Bach. of Sci. (Occ. Safety & Hygiene Mngm't.), Millersville University (b)(6)
- Master of Sci. (Environmental Health with emphasis in Industrial Hygiene), Temple Univ. , (included radiation safety training), 1997

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EX

B. Experience

- Lockheed Martin Valley Forge Operation (Including predecessor companies)  
Industrial Hygienist, 1991 to present

Implements training for multiple factory safety skills, performs ionizing and non-ionizing surveys, develops and documents hazard reviews, reviews proposed manufacturing process reviews, performs chemical waste stream characterization, conducts health and safety audits at multiple corporate sites.

- Sun Oil Co. Marcus Hook, PA  
Risk Manager Assistant , 1990-1991

Performed industrial hygiene sampling, analysis and concern investigations. Ensured subcontractor compliance with Corporate methods and procedures for industrial hygiene. Administered training programs for air monitoring, noise, ventilation and hazardous waste. Conducted ventilation surveys, accident investigation/followup, respirator training MSDS chemical evaluation and sampling equipment calibration.

## Resume

Todd Williams  
Industrial Hygienist

### A. Education

Temple University, College of Engineering, Philadelphia, Pennsylvania.  
MS in Environmental Health in progress, with a concentration in Industrial Hygiene, including radiological health (Expected August 1998).

BS Occupational Safety and Hygiene Management  
Millersville University, Millersville, Pennsylvania.

### B. Experience

- Lockheed Martin Corp., Valley Forge Operation, King of Prussia, PA.  
Industrial Hygienist (July 1996-Present)

Implements and develops safety/industrial hygiene training: confined space, lockout/tagout, hazcom, respiratory, hearing conservation, non-ionizing radiation, asbestos, and others. Review engineering standard operating procedures for test and manufacturing. Develops and documents industrial hygiene monitoring, ventilation surveys, ergonomic assessments, and process hazard reviews. Provides counsel to management and staff on industrial hygiene/safety related issues. Member of emergency and hazardous material response teams. Participates in construction, renovation, and demolition team meetings to ensure safety compliances.

- Galson Consulting, Plymouth Meeting, PA.  
Industrial Hygienist (August 1993-July 1996).

Provided industrial hygiene monitoring for a variety of clients. Assignment included a sixteen month contract working with the safety/industrial hygiene staff at a Mobil R&D facility and a three month assignment working with safety and health staff members at a Mobil refinery. This last assignment included radioactive contamination swipec tests and use of a Geiger counter.

Also there was an eight month assignment at Lockheed Martin Corp., King of Prussia performing as an EH&S staff member and a separate activity for the conduction of industrial hygiene samplings at six General Electric Aircraft Engine facilities.

Resume for Todd Williams, concluded.

- Lancaster Malleable Castings Company, Lancaster, PA. (Internship)  
Safety & Hygiene Specialist

This internship included activity in ergonomic assessment, industrial hygiene sampling, design of an industrial vehicle safety program and safety training.

C. Specific Isotope/X-Ray Experience

Assisted RSO in collecting and counting of swipes and collection of radioactive waste for turnover to a processor.

D. Associations

- The American Industrial Hygiene Association (AIHA)
- The American Society of Safety Engineers
- Temple University AIHA Student Chapter Secretary