



**DEPARTMENT OF THE ARMY**  
**US ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND**  
**ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER**  
**PICATINNY ARSENAL, NEW JERSEY 07806-5000**

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RDAR-D

25 FEBRUARY 2011

MEMORANDUM FOR Ms. Betsy Ullrich, Nuclear Regulatory Commission (NRC)

SUBJECT: Request of approval for new ARDEC Radiation Safety Officer and Ionizing Radiation Control Committee Chairperson

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1. References:

- a. NRC License 29-00047-02; "Broad Scope License". (03005215)
- b. NRC License 29-00047-06; "Dry Irradiator, Large Source License". (03005216)
- c. NRC License SUB-348; "Source Material License". (04006377)

2. As Director of the Army Research Development and Engineering Command (ARDEC) and holder of the referenced licenses, I request NRC approval of a new ARDEC Radiation Safety Officer (RSO) and approval of a new chairperson of our Ionizing Radiation Control Committee (IRCC). As you know, I direct the responsibility to establish, maintain, and manage the ARDEC Radiation Safety Program to the RSO, and oversight responsibility to the IRCC. The person selected to chair the IRCC does so on my behalf. I am aware that both the RSO and the IRCC chairperson require confirmation by the NRC in order to assume the authority to carry out the functional responsibilities.

3. In the accompanying enclosures, please find resumes for my selections of the proposed new RSO, Mr. Richard Lamoreaux, and new proposed IRCC Chairperson, Mr. John Reed. I feel both of these individuals possess the required experience, competence, and professionalism to successfully execute the responsibilities of the subject positions.

4. Mr. Lamoreaux has 20 years of experience in system safety engineering, which includes 10 years of specific experience in health physics and radiological control engineering. In addition, Mr. Lamoreaux gained extensive experience in radiological controls and health physics while holding multiple positions within the Radiological Control Office at Norfolk Naval Shipyard (NNSY), Virginia. While employed at NNSY, he was responsible for managing all radiological control aspects of nuclear powered vessel maintenance and repair. These responsibilities included minimizing radiation exposure to workforce and public; controlling radioactive contamination, design and implementation of shielding components and packages; estimating radiation and contamination levels associated with work operations, assigning proper use, type, and placement of dosimetry; ensuring personnel exposure is maintained below regulatory limits; disposal of radioactive and mixed waste;

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 NMSS/RGN1 MATERIALS-002

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SUBJECT: Request of approval for new ARDEC Radiation Safety Officer and Ionizing Radiation Control Committee Chairperson

and ensuring proper accountability of radioactive sources or material exposed to radioactive contamination. I believe this combined experience qualifies Mr. Lamoreaux to represent ARDEC as the RSO.

5. Mr. Reed is the current ARDEC System Safety Manager and has experience in radiation safety related matters gained during his tenure as System Safety Technical Lead to the ARDEC Radiation Safety Office. Through his direct interactions with previous ARDEC RSO's and Radiation Protection Office staff, Mr. Reed has gained a sufficient appreciation and understanding toward radiation matters providing him with the knowledge to adequately assess various health physics issues that could come to the attention of the IRCC committee in the future. Finally, Mr. Reed has been a practicing safety engineer for more than 20 years. I believe Mr. Reed is the best candidate to represent me as the IRCC chairperson.

6. The point of contact regarding this correspondence is Ms. Gihan Oraby at (973) 724-5457 or [gihan.b.oraby@us.army.mil](mailto:gihan.b.oraby@us.army.mil). Mr. Lamoreaux can be reached directly at (973) 724-8842 or [richard.w.lamoreaux@us.army.mil](mailto:richard.w.lamoreaux@us.army.mil). Mr. Reed can be reached directly at (973) 724-5448 or [john.j.reed@us.army.mil](mailto:john.j.reed@us.army.mil).



GERARDO J. MELENDEZ  
Director, ARDEC

2 Encls

1. Lamoreaux Resume
2. Reed Resume

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**Richard Wilton Lamoreaux**

[Redacted]  
 Mobile: [Redacted]  
 Evening Phone: [Redacted]  
 Day Phone: (973) 724-8842  
 Email: [richard.w.lamoreaux@us.army.mil](mailto:richard.w.lamoreaux@us.army.mil)

**Country of citizenship:** [Redacted]  
**Veterans' Preference:** No  
**Registered for Selective Service:**  
**Highest Grade:** GS-YD-03, 04/2010-Present  
**Contact Current Employer:** Yes

**AVAILABILITY**  
**Job Type:** Permanent  
**Work Schedule:** Full Time

**DESIRED LOCATIONS**  
 US-NJ-Central  
 US-NJ-Northern  
 US-NY-New York City  
 US-NY-Westchester

**WORK EXPERIENCE**  
**ARDEC** **4/2010 - Present**  
**Picatinny Arsenal , NJ US**  
**Grade Level: 03**  
**Salary: \$141,066 USD Per Year**  
**Hours per week: 40**

**Director, ARDEC RMO , YD-803**  
 Director of the Armament Research, Development, and Engineering Center (ARDEC) Risk Management Office (RMO) (Detailed). Responsible for developing, coordinating, updating, and implementing ARDEC safety and environmental policy. Serve as the technical expert for matters involving safety and environmental compliance for operations performed in or on ARDEC laboratories and ranges located on Picatinny Arsenal. Lead a team of safety and environmental representatives from across ARDEC Directorates to evaluate and resolve concerns and ensure consistent implementation of safety and environmental requirements. Review ARDEC directorate implementation of the Army safety program and provide findings and recommendations to the responsible directorate. Coordinate activities and actions with the Picatinny Installation Safety Office and Picatinny Environmental Office to formulate, recommend, and evaluate policies, procedures, and standards to ensure ARDEC programs utilize safety and environmental practices consistent with applicable laws, national standards, and Army requirements. Manage the RMO budget. Provide ARDEC programs with sources of safety and environmental expertise to support the development of safety and occupational health directives, prevention and control of hazards (to include explosives), lightning protection systems, fire prevention, safety education/training, accident investigation, inspections, and risk management. Manage and direct the activities of a team of Occupational Safety and Health Specialists, an Environmental Protection Specialist, an Environmental Engineer, and an Administrative Assistant. Develop employee performance standards and prepare employee performance and career program appraisals. (Contact Supervisor: Yes, Supervisor's Name: Col Raymond Nulk)

**NASA** **1/2009 - 4/2010**  
**Kennedy Space Center, FL US**  
**Grade Level: GS-15**

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**Salary: 122,937 USD Per Year**  
**Hours per week: 40**

**NASA Range Safety Program Manager , 0861**

Manager, NASA Range Safety Program. Responsible for developing, coordinating, and updating NASA range safety policy. Serve as the NASA focal point and technical expert for all matters involving range safety for space vehicle programs (including launch and entry vehicles) and experimental aeronautical vehicle programs. This includes, but is not limited to, reusable launch vehicles (RLVs), fly-back boosters, expendable launch vehicles (ELVs) and their payloads, the Space Shuttle Program, the Constellation Program, experimental aerospace vehicles (EAVs), sample return capsules, uninhabited aerial systems (UASs), balloons, sounding rockets, and drones. Lead a team of Range Safety Representatives from across NASA centers to evaluate and resolve range safety program concerns and ensure consistent implementation of range safety requirements throughout NASA. Review center and program implementation of the NASA range safety program and provide findings and recommendations to the responsible center, program manager, and the Office of Safety and Mission Assurance. Conduct independent assessments of applicable NASA centers, component and range facilities, and programs to verify conformance with range safety policies, procedures, and requirements. Participate in national panels, joint working groups, other range safety policy initiation, and change activities affecting NASA operations or use of national ranges. Coordinate activities and actions with NASA center range safety personnel, Safety Technical Authorities, and other entities, including the Federal Aviation Administration (FAA) and Department of Defense (DoD), to formulate, recommend, and evaluate policies, procedures, and standards to ensure NASA programs use range safety practices that are consistent with applicable laws, national standards, and NASA requirements. Manage the Agency Range Safety budget. Provide NASA programs with sources of range safety expertise to support independent process, flight readiness, and payload safety reviews. Facilitate the development of NASA-wide physics based computer models for assessing range safety risks. Evaluate requests for tailoring, deviations, or waivers to NASA range safety policy and coordinate with the proper NASA and DoD approval authorities. Represent NASA Range Safety in Launch/Flight Readiness Reviews for launch vehicles such as Shuttle, ARES, Delta II, Delta IV, Atlas V, Taurus, Pegasus, and Minotaur. As a member of readiness review panels, provide insight and oversight for all aspects of the launch vehicle and spacecraft to include system safety, quality, reliability and mission assurance. Provide real-time console support during launch count-downs to ensure NASA range safety requirements are being met or any residual risk has been properly mitigated or accepted by the appropriate level of NASA management.

Also serve as the KSC Range Safety Representative. (See next job entry.)  
 (Contact Supervisor: Yes, Supervisor's Name: Mike Campbell, Supervisor's Phone: 321 867-5315)

**NASA**  
**Kennedy Space Center, FL US**

**7/2006 - 1/2009**

**Grade Level: GS-14**  
**Salary: 110,137 USD Per Year**  
**Hours per week: 40**

**Aerospace Engineer - Range Safety Representative , 0861**

Aerospace Engineer, Kennedy Space Center (KSC) Range Safety Representative. Responsible for implementing and managing the NASA Range Safety Program at KSC. Ensure public and workforce safety risks associated with the launching and landing of NASA space vehicle programs and experimental aeronautical vehicle programs are within acceptable limits, mitigated, or accepted by the appropriate NASA approval authority. Counsel and advise senior KSC and NASA management on matters related to range safety at KSC. Develop and codify plans, policies and procedures associated with KSC operations to ensure NASA range safety requirements are being met. Participate in Launch/Flight Readiness Reviews. As a member of readiness review panels, provide insight and oversight for all aspects of the launch vehicle and spacecraft to include system safety, quality, reliability and mission assurance. Represent KSC in multi-agency panels, joint working groups and other community wide range safety policy activities. Areas of responsibility include the design and testing of launch vehicle flight termination systems (command and autonomous destruct systems), evaluation of launch vehicle hazards via the use of risk based physics models, collision avoidance with orbital debris/bodies, and explosive siting. Other specific tasks/accomplishments include; establishing a quantitative acceptable risk criteria, based on casualty and fatality expectations, for performing work on or around composite over wrapped pressure vessels (COPVs), and establishing toxic commodity (hypergolic liquids and solid rocket propellant) thresholds and acceptable risk criteria as part of an overall explosive siting plan for the KSC Vehicle Assemble Building (VAB) in support of the upcoming Constellation

Program.

(Contact Supervisor: Yes, Supervisor's Name: Mike Campbell, Supervisor's Phone: 321 867-5315)

**45th Space Wing  
Patrick AFB, FL US**

**9/2005 - 7/2006**

**Grade Level: GS-13  
Salary: 93,824 USD Per Year  
Hours per week: 40**

**Safety Engineer , 0803**

Safety Engineer, Launch Safety, Risk Analysis. Responsible for developing, implementing and assessing range safety policy relating to acceptable risk criteria for space and sub-orbital launches from the Eastern Range (ER). Ensure risk is properly managed within prescribed limits by establishing risk management procedures, establishing acceptable risk criteria appropriate to each type of mission and launch vehicle, evaluating any risks that exceed acceptable risk criteria, and maintaining related range policy and requirements. Risk assessments include hazards associated with explosive and inert debris, toxics, distant focusing overpressure (DFO), and radiation. Serve as ER lead and technical expert for analysis and development of DFO hazard models. Provide primary DFO console and backup toxic console support on launch day.

ER technical lead for support of the United States Air Force (USAF)-Federal Aviation Administration (FAA) Common Standards Working Group (CSWG).

Serve as ER technical lead in the Range Commanders Council Range Safety Group Risk Committee. Committee is responsible for developing acceptable risk criteria guidelines and policy for Major Range and Test Facility Bases (MRTFB).

Serve as technical lead for ensuring non-ionizing (laser and directed energy) radiation compliance and technical specialist for ensuring compliance with ionizing radiation requirements.

Serve multiple Missile Defense Agency (MDA) flight and launch safety support roles including (these roles include managing team and task budgets):

Mobile Launch Platform Toxic Evaluation Team Lead  
Flight Termination System Portability Team Lead  
Mobile Range Safety System Standardization Member  
Hazard Model and Simulation Committee Member  
Range Safety Documentation Committee Member

(Contact Supervisor: Yes, Supervisor's Name: Curt Botts, Supervisor's Phone: 321 494-2412)

**45th Space Wing  
Patrick AFB, FL US**

**3/2001 - 9/2005**

**Grade Level: GS-13  
Salary: 88,841 USD Per Year  
Hours per week: 40**

**Safety Engineer , 0803**

Safety Engineer, System Safety, New Programs. Serve as the range safety initial point of contact for new programs and/or unique payloads consisting of launch vehicles, payloads, unmanned aerial vehicles (UAV's), ground support equipment, laser systems, and related facilities desiring support from the Eastern Range. Assess the compliance to range safety policy, regulations, and practices in the accomplishment of space launches and UAV operations. Aid launch and range customers in developing innovative and cost effective designs and/or processes in an effort to meet range safety requirements.

Serve as ER technical lead in the Range Commanders Council Range Safety Group Risk Committee. Committee is responsible for developing launch vehicle acceptable risk criteria guidelines and policy for Major Range and Test Facility Bases (MRTFB).

Serve as technical lead for ensuring non-ionizing (laser and directed energy) radiation compliance and technical specialist for ensuring compliance with ionizing radiation requirements.

Develop and implement Explosive Site Plans (ESP's) for range users.

Serve as ER lead for risk associated with Distant Focusing Overpressure (DFO). DFO Hazard Console Engineer and secondary Toxic Hazard Console Engineer for Eastern

Range Launches. Responsible for developing and producing daily toxic hazard potentials/estimates related to the storage and processing of solid and liquid propellant and providing the results to local state and government emergency management centers.

Serve multiple Missile Defense Agency (MDA) launch and flight safety support roles including (these roles include managing team and task budgets):  
 Hazard Model and Simulation Committee Member  
 Flight Termination System Portability Committee Lead  
 Range Safety Documentation Committee Member  
 Range Safety System Committee Lead  
 Mobile Range Safety System Standardization Committee Lead  
 Mobile Launch Platform Toxic Evaluation Team Lead  
 (Contact Supervisor: Yes, Supervisor's Name: Mike Wadzinski, Supervisor's Phone: 256 313-8721)

**Norfolk Naval Shipyard  
 Portsmouth, VA US**

**5/2000 - 2/2001**

**Grade Level: GS-13  
 Salary: 67,571 USD Per Year  
 Hours per week: 40**

**Supervisory Environmental Engineer , 0819**

Head of Environmental Operations Branch, Environmental Programs Division, Occupational Safety, Health and Environment (OSHE) Office (Detail). Manage 26 GS-0028 series Environmental Protection Specialists (EPS) and GS-0029 assistant EPS's performing duties associated with the technical and operational aspects of ensuring shipyard regulatory compliance in programs such as Clean Water Act (CWA), Safe Drinking Water Act (SDWA), National Pollutant Discharge Elimination System (NPDES), Resource Conservation and Recovery Act (RCRA), Toxic Substance Control Act (TSCA) and other regulatory aspects associated with a major industrial complex. Provide technical overview of hazardous waste operations and ensure shipyard compliance in all environmental requirements associated with hazardous waste regulations. Interpret federal, state, and local regulatory requirements and ensure all shipyard and tenant activity work instructions/contracts contain proper environmental processes and are in compliance with environmental regulations. Ensure new or renovated shipyard facilities are in compliance with safety and environmental requirements. (Contact Supervisor: Yes, Supervisor's Name: P. Michael Host, Supervisor's Phone: 757 396-5381)

**Norfolk Naval Shipyard  
 Portsmouth, VA US**

**6/1999 - 5/2000**

**Grade Level: GS-13  
 Salary: 67,298 USD Per Year  
 Hours per week: 40**

**Supervisory Nuclear Engineer , 0840**

Head of Shipboard/Reactor Plant Support Branch; Radiological Engineering Division; Radiological Control Office. Supervise ten (10) GS-0840 series engineers who perform professional duties associated with all radiological control aspects (including health, safety, and environmental requirements) of nuclear powered vessel maintenance and repair. Coordinate radiological control requirements with other engineering and production organizations; recommend changes to local and Naval Nuclear Program directives to improve radiological controls and cost effectiveness. Develop techniques, procedures, facilities, and equipment to support and to improve radiological controls on large projects/operations such as major reactor component maintenance/repair. Aid other engineering divisions/projects in mainstreaming radiological controls into technical work instructions. Interpret Naval Nuclear Program, Nuclear Regulatory Commission, Federal and State requirements to ensure compliance. Perform inspections of radiological work areas, identify regulatory compliance and/or radiological control issues, and provide resolution. Lead or assist in radiological critiques or incident procedures, including the identification and implementation of corrective actions. Provide shipyard wide guidance, consultation, and evaluation on all radiological issues involving shipboard or reactor plant operations. Responsibilities include minimizing radiation exposure to workforce and public; controlling radioactive contamination through the use of containment and engineered controlled ventilation systems; design and implementation of shielding components and packages; estimating radiation and contamination levels associated with work operations and applying appropriate radiological controls; assigning proper use, type, and placement of dosimetry; ensuring personnel exposure is maintained below regulatory and local limits; control, processing, and disposal of radioactive and mixed waste; implementing proper decontamination processes, and determining radiological release criteria and methods, or control of material exposed or potentially exposed to radioactive contamination. Serve as lead shipyard

representative in a successful effort to standardize radiological and technical aspects of nuclear reactor maintenance and servicing between the four public shipyards. Estimate, obtain, and distribute funding for engineering support. Serve as Assistant Radiological Control Group Leader in support of the Norfolk Naval Shipyard (NNSY) Radiological Emergency Control Center. As supervisor, complete employee performance appraisals, set objectives, ensure training and certification requirements are met, and perform other duties as required to fulfill the requirements of the position. (Contact Supervisor: Yes, Supervisor's Name: Theresa Queen, Supervisor's Phone: 757 396-5309)

**Norfolk Naval Shipyard  
Portsmouth, VA US**

**3/1999 - 6/1999**

**Grade Level: GS-14 (Detail)  
Salary: 67,298 USD Per Year  
Hours per week: 40**

**Supervisory Nuclear Engineer , 0840**

Head of Radiological Engineering Division; Radiological Control Office. (Temporary Detail) Manage 5 GS-0840-13 series supervisory nuclear engineers, 31 GS-0840 series nuclear engineers, 1 GS-1306 series health physicist and 2 clerical employees. Function as the radiological control engineering authority in the shipyard on matters pertaining to nuclear propulsion plant overhaul, refueling, and testing. Possess technical control over all aspects of radiological work performed on or with radiological support systems, facilities, and radioactive and mixed waste management. Provide policy and guidance to subordinate engineering branch heads responsible for performance of their functional units. (Contact Supervisor: Yes, Supervisor's Name: Mitch Daugherty, Supervisor's Phone: 757 396-5885)

**Norfolk Naval Shipyard  
Portsmouth, VA US**

**4/1996 - 3/1999**

**Grade Level: GS-13  
Salary: 55,376 USD Per Year  
Hours per week: 40**

**Supervisory Nuclear Engineer , 0840**

Head of Nuclear Refueling Support Branch; Radiological Engineering Division; Radiological Control Office. Manage eight (8) GS-0840 series nuclear engineers who perform professional duties associated with all radiological control aspects (including health, safety, and environmental requirements) of nuclear powered vessel refueling. Engineer radiological controls through the use of technical requirements, risk assessment, and cost analysis from the preliminary stages of nuclear refueling planning to project completion. Serve as lead shipyard representative in a successful effort to standardize radiological and technical aspects of nuclear refueling between the four public shipyards. Coordinate radiological control requirements with other engineering and production organizations; recommend changes to local and Naval Nuclear Program directives to improve radiological controls and cost effectiveness. Develop techniques, procedures, facilities, and equipment to support and to improve radiological controls on large projects/operations such as major reactor component maintenance/repair. Aid other engineering divisions/projects in mainstreaming radiological controls into technical work instructions. Interpret Naval Nuclear Program, Nuclear Regulatory Commission, Federal and State requirements to ensure compliance. Perform inspections of radiological work areas, identify regulatory compliance and/or radiological control issues, and provide resolution. Lead or assist in radiological critiques or incident procedures, including the identification and implementation of corrective actions. Provide shipyard wide guidance, consultation, and evaluation on all radiological issues involving nuclear refueling operations. Responsibilities include minimizing radiation exposure to workforce and public; controlling radioactive contamination through the use of containment and engineered controlled ventilation systems; design and implementation of shielding components and packages; estimating radiation and contamination levels associated with work operations and applying appropriate radiological controls; assigning proper use, type, and placement of dosimetry; ensuring personnel exposure is maintained below regulatory and local limits; control, processing, and disposal of radioactive and mixed waste; implementing proper decontamination processes, and determining radiological release criteria and methods, or control of material exposed or potentially exposed to radioactive contamination. Estimate, obtain, and distribute funding for engineering support. As supervisor, complete employee performance appraisals, set objectives, ensure training and certification requirements are met, and perform other duties as required to fulfill the requirements of the position. (Contact Supervisor: Yes, Supervisor's Name: David Malsbury, Supervisor's Phone: 757 396-3059)

**Norfolk Naval Shipyard  
Portsmouth, VA US**

**4/1990 - 4/1996**

**Grade Level: GS 07-12**  
**Salary: 47,954 USD Per Year**  
**Hours per week: 40**

#### **Nuclear Engineer , 0840**

Member of engineering team which governs work involving the repair, inspection, testing, and replacement of major nuclear reactor plant components, and associated support facilities and equipment. Interpret and implement radiological control requirements and ensure technical work documents/procedures are in compliance with Navy Nuclear Program, Nuclear Regulatory Commission, federal, and state requirements. Evaluate/improve nuclear work processes through the use of technical requirements, risk assessment, and cost benefit analysis. Responsibilities include minimizing radiation exposure to workforce and public; controlling radioactive contamination through the use of containment and engineered controlled ventilation systems; design and implementation of shielding components and packages; estimating radiation and contamination levels associated with work operations and applying appropriate radiological controls; assigning proper use and placement of dosimetry; control, processing, and disposal of radioactive and mixed waste; and determining radiological release criteria and methods, or control of material exposed or potentially exposed to radioactive contamination. Develop, test, budget, implement, and maintain radiological ventilation systems and environmental monitoring systems that support and provide radiological control for nuclear work operations. Accomplishments include the design and implementation of an engineered ventilation system used to control the potential spread of both surface and airborne contamination associated with reactor coolant pump removal/replacement and reactor head removal. The systems significantly reduced both the overall radiation exposure and time required for performing the operations. Design, implement, and maintain radiological vacuum cleaner systems used to provide negative pressure to radiological containments and cleanup of contaminated waste. Lead the shipyard program for DOP testing of HEPA filtered ventilation systems. Develop and implement a shipyard program to ensure compliance with 40 CFR 61 (National Emission Standards for Hazardous Air Pollutants) requirements. (Contact Supervisor: Yes, Supervisor's Name: Mark Miller, Supervisor's Phone: 757 396-4570)

#### **EDUCATION**

Florida Institute of Technology  
 Melbourne, Florida US  
 Bachelor's Degree - 3/1989  
 216 Quarter Hours  
 Major: Ocean Engineering  
 GPA: 2.84 out of 4.0

#### **JOB RELATED TRAINING**

NAVSEA 389-0288 Radiological Controls for Shipyards, Radiological Engineer (Article 112) Certified  
 NAVSEA 389-0288 Radiological Controls for Shipyards, Radiological Worker (Article 107) Certified

Bayesian Data Analysis – Dr Val Johnson – Consolidated Safety Support Contract  
 Launch Vehicle System Design and Engineering – Launchspace Professional Training Program  
 General Processing Safety – NASA  
 Range Safety Operations – NASA Safety Training Center  
 Range Safety Orientation – NASA Safety Training Center  
 Flight Safety Systems – NASA Safety Training Center  
 Flight Safety Analysis – NASA Safety Training Center  
 IT Security for Managers – NASA  
 Environmental Management Systems – NASA  
 System Safety and Reliability Analysis – University of Washington  
 Distant Focusing Overpressure Risk – ACTA Inc  
 Laser Safety Officer Training Course – Laser Institute of America  
 ASHRAE Design Parts 1 and 2 – Old Dominion University  
 Advanced Photon Shielding – GTS Durateck Inc  
 In Place (HEPA) Filter Testing Workshop – Harvard School of Public Health  
 Process Review Facilitator – Westinghouse Electric Corporation, Bettis Laboratory  
 Seven Habits of Highly Effective People – Franklin Covey Co.  
 Hazardous Waste Management 40 CFR 265.16 – Environmental Resource Center  
 RCRA Compliance – Government Institutes Division, ABS Group Inc., 2000

#### **REFERENCES**

<b>Russell Chantry</b>	Norfolk Naval Shipyard	Director, Occupational Safety, Health and Environment (OSHE) Office
<b>Phone Number:</b>	(757) 396-3999	
<b>Email Address:</b>	chantryrg@nnsy.navy.mil	

**Reference Type:** Professional

**Mike Wadzinski** Missile Defense Agency GMD Director for Safety and Mission Assurance

**Phone Number:** (256) 313-8721  
**Email Address:** mike.wadzinski@mda.mil  
**Reference Type:** Professional

**Alan Dumont** NASA Constellation Space Transportation Planning Office

**Phone Number:** (321) 867-7697  
**Email Address:** alan.g.dumont@nasa.gov  
**Reference Type:** Professional

**ADDITIONAL INFORMATION**

  
2009 - Recipient of the NASA Silver Snoopy Award

**I'm Finished** ▶

**JOHN JAMES REED**

John James Reed

Home: [REDACTED]

Work: (973) - 724-5448

DSN: 880-5448

**WORK EXPERIENCE:**

U.S. Army RDECOM-ARDEC System Safety Manager (06/22/2008 - Present)

Picatinny Arsenal, New Jersey United States

Supervisor: Gihan Oraby - 973-724-5457; Contact: Yes Pay Grade: YD - 803 - 3

Salary: \$141,726.00 per year

Hours per week: 40

Duties: Mr. Reed is the RDECOM-ARDEC System Safety Manager. Mr. Reed has completed and ensured the safety engineers on his team completed assigned projects and suspense's within time and budget estimates 100% of the time. Mr Reed led and guided his team to work with all customers to ensure that all customer/technical safety issues were resolved in a timely manner and quality solutions were provided to the customer. Mr. Reed consistently monitors customer satisfaction and constantly receives positive customer feedback from PM's. Mr. Reed is consistently approaching and being approached by PM's seeking System safety support and mentors and encourages his team to approach PM's to obtain funding to provide system safety support to PM's.

Mr. Reed displayed his technical proficiency when serving as a System Safety Subject Matter Expert and System Safety Manager for 21 System Safety Engineers and demonstrated his leadership ability by ensuring the team excellently executed all their duties in their capacity as Safety Engineers for the QE&SA Directorate. Mr. Reed led this team of safety engineers to solve many critical safety issues on many programs with considerable engineering difficulty and complexity. Mr. Reed also led and guided his team in ensuring the accurate and timely completion of many Safety Assessment Reports, SOW Requirements, Hazard Analyses, Fault Trees, System Safety Management Plans, Surface Danger Zones and System Safety Risk Assessments. Mr. Reed led his team to make sure that all System Safety Tasks and Documents were completed accurately and that ensured all critical technical safety issues were adequately resolved while juggling many competing priorities and short deadlines. Mr. Reed also is an active member in AMC, Army and Tri-Service level boards and groups such as the AMC System Safety Process Action Committee (SYSPAC), the Department of Army System Safety Council (DASSC) the Department of Army Weapon System Safety Board and the DoD level Joint Weapons Safety Working Group (JWSWG). Through these groups, councils and committees, Mr. Reed is active in formulating Army wide System safety Policy. By participating in these groups, he is also continually exposed to and aware of emerging technical and policy trends in Armament System Safety. Mr. Reed is considered a System Safety expert by RDECOM, AMC, the Army and DoD.

U.S. Army RDECOM-ARDEC (06/27/2004 - 06/22/2008) - Safety Engineer

Picatinny Arsenal, New Jersey United States

Supervisor: Sami Hoxha - 973-724-5452; Contact:Yes Pay Grade: GS - 803 - 14

Salary: \$105,000.00 per year

Hours per week: 40

Duties: Mr. Reed was Senior Technical Lead and sometimes designated as acting System Safety Manager and demonstrated his technical competence by quickly, efficiently and effectively working with his team to resolve many critical Safety issues.

- o Mr. Reed led a team of eight system safety engineers on a regular basis and 19 safety engineers at various times providing guidance, direction and mentoring to ensure the team excellently executed all their duties in their capacity as Safety Engineers for the QE&SA Directorate. The mentoring of his fellow safety engineer through this process provided invaluable hands on experience for them on how to approach, investigate, and resolve a complex, critical technical safety issue.

Mr. Reed led his team and guided them in supporting Milestone documentation for many weapon systems and ammunition developed over the past year. He was instrumental in guiding his team in ensuring safe Urgent, Conditional and Full Materiel Release and fielding to the user in Iraq and Afghanistan of many Ammunition and weapon systems.

- o Mr. Reed was personally involved in working with and guiding his team in the writing and processing of several System Safety Risk Assessments (SSRA), SDZ's and SAR's's to ensure the User and Materiel Developer are aware of all identified Residual Risks and the precautions and procedures to follow to reduce the likelihood of a mishap.

- o Mr. Reed has been providing input on process improvement activities (such as the development of the SAR and SHDS processes).

- o Mr. Reed mentors safety engineers on his team to ensure that the APOs/PMs are always apprised of safety issues that may impact program and/or safety milestones so that the PMs can take action to avoid program milestones from slipping and keep program risk to an absolute minimum.

- o Mr. Reed contributed to Army and Tri-service wide System Safety Policy by attending the DoD Joint Service Safety Test Workshops to help standardize safety testing criteria throughout all of DOD and participated in AMC/Army process improvement initiatives by attending the AMC/Army System Safety Process Action Committee meeting to help standardize AMC/Army wide System Safety Policy.

- o Mr. Reed made sure that his team worked closely with all their customers to ensure that there were no funding or personnel issues and that customers were made aware of safety implications associated with program schedules and technical safety issues and ensured his team completed assigned projects and suspenses within time and budget estimates 100% of the time.

U.S. Army RDECOM-ARDEC (08/11/1991 - 06/27/2004) - Safety Engineer

Picatiny Arsenal, New Jersey United States

Supervisor: Sami Hoxha - 973-724-5452; Contact:Yes Pay Grade: GS - 803 - 13

Salary: \$90,000.00 per year

Hours per week: 40

Duties: 08/07/2002-06/27/2004

Serves as principle Armament and Weapon Systems Technical System Safety Engineer and System Safety Team Leader for the Stryker Program in support of PM-BCT. Leads a team consisting of another System Safety Engineer, one Quality Software Engineer (providing Software Safety support) and a Health Physicist evaluating

radiation safety for Stryker. Ensures that his team is fully supporting PM-BCT and that Stryker variants are safe for the soldier when fielded. Makes critical system safety decisions in support of PM-BCT. Supports Stryker System Safety Working Group Meetings including the identification and drafting of all Stryker armament and weapon system related Hazards for the Stryker Hazard Tracking System. Responsible for solving many complex safety engineering problems involving the design of eleven different Stryker Variants.

Was instrumental and a key figure in ensuring the unprecedented safe fielding of eight Stryker Variants to Iraq in record developmental and fielding time. Was a key figure in ensuring the safety of these Stryker vehicles as they went through a completely new, expedited, Materiel Release Process (Interim Materiel Release) and eventually a Conditional Materiel Release.

08/11/1991 to 08/07/2002:

Served as principle Technical System Safety Engineer, Assistant System Safety Manager and System Safety Manager for the Crusader Program including associated programs such as the Modular Artillery Charge System. Made critical system safety decisions in support of PM-Crusader. Responsible for solving many complex safety engineering problems and spent an enormous amount of time at the Prime Contractors' Design Facility working with the Contractors' Design Engineers and System Safety Engineers to affect the design to ensure that system safety risk for Crusader was acceptably low. Set up and conducted 22 System Safety Working Group meetings to ensure that System Safety was being considered in the design and that all Hazards were being identified and mitigated. Worked with the Prime Contractors' Test Engineers and the U.S. Army Developmental Test Command as a key player in developing System Safety Test Methodologies to ensure that the Crusader System had adequate test planning to verify safety of the design.

Wrote a significant portion of the Crusader Safety Assessment Report for the Contractor.

Spent many weeks at the U.S. Army Yuma Proving Ground working with the Prime Contractors'

Test Engineers and System Safety Engineers to convert the System Safety Test Methodologies into specific System Safety Test Plans to verify the safety of Crusader prior to the start of prototype testing. Made many critical system safety test decisions on the spot to support Crusader testing and ensure the safety of Crusader and the test.

U.S. Army AMCCOM (04/06/1986 - 08/11/1991) - Safety Engineer

Picatinny Arsenal, New Jersey United States

Supervisor: Jim Elliott - 973-724-6541; Contact:Yes Pay Grade: GS - 803 - 12

Salary: \$32,000.00 per year

Hours per week: 40

Duties: Served as System Safety Manager for PM Mortars. Served as principle technical System Safety Expert for AFAS/FARV-A/PM Mortars and most all Picatinny Arsenal Small and Medium Caliber Ammunition and Weapon Developmental Programs. Developed System Safety policy and made critical System Safety decisions as necessary in support of these programs. Applied scientific methodology in solving system safety problems such as evaluating the adequacy of proposed designs, test methods and operational procedures. Prepared System Safety Management Plans, Hazard Analyses, Surface Danger Zones, Safety Assessment Reports, Safety and Health Data Statements and other critical System Safety Documentation. Participated in Government/Contractor Design Reviews.

Ensured that for all programs that were supported, every potential hazard identified was eliminated or adequately controlled and that the weapon systems and ammunition fielded were safe to handle, store, use and dispose of throughout their lifecycles.

U.S. Army AMCCOM (03/24/1985 - 04/06/1986) - Safety Engineer  
Picatinny Arsenal, New Jersey United States  
Supervisor: Jim Elliott - 973-724-6541; Contact:Yes Pay Grade: GS - 803 - 11

Salary: \$29,000.00 per year

Hours per week: 40

Duties: Supported and Managed ARDEC Explosive Hazard Classification Program and Hazardous Component Safety Data Statement (HCSDS) Program. Issued Interim Hazard Classifications for worldwide shipment and storage of ammunition, ammunition subcomponents and explosive materials. Developed, implemented and monitored test plans to determine and assign Final Hazard Classification (FHC) to ammunition, ammunition subcomponents and explosive materials. Prepared and submitted Final Hazard Classification Reports through Army, Air Force, Navy and Department of Transportation channels to obtain official Final Hazard Classifications for ammunition, ammunition subcomponents and explosive materials.

Reviewed explosive sensitivity data and participated in the ARDEC Interim Qualification Review Board, the Department of Army Fuze Review Board and the Department of Defense Explosive Safety Board to ensure explosive materials were qualified as safe for their intended use. Applied scientific methodology in solving system safety problems such as evaluating the adequacy of proposed designs, test methods and operational procedures.

U.S. Army AMCCOM (07/26/1983 - 03/24/1985) - Safety Engineer  
Picatinny Arsenal, New Jersey United States  
Supervisor: Jim Elliott - 973-724-6541; Contact:Yes Pay Grade: GS - 803 - 9

Salary: \$21,000.00 per year

Hours per week: 40

Duties: Supported ARDEC Explosive Hazard Classification Program and Hazardous Component Safety Data Statement (HCSDS) Program. Issued Interim Hazard Classifications for worldwide shipment and storage of ammunition, ammunition subcomponents and explosive materials. Developed, implemented and monitored test plans, witnessed tests and wrote Final Hazard Classification Test Reports to determine and assign Final Hazard Classification (FHC) to ammunition, ammunition subcomponents and explosive materials.

U.S. Army DARCOM (07/12/1982 - 07/26/1983) - Safety Engineer  
Texarkana, Texas United States  
Supervisor: Gilbert Tolley - 214-838-2371; Contact:Yes Pay Grade: GS - 803 - 7

Salary: \$17,000.00 per year

Hours per week: 40

Duties: Safety Engineer Intern Training. The Safety Engineering Intern Training consisted of four quarters of advanced engineering course work. Graduated fourth out of a course of 18.

**EDUCATION:**

4 Year College BS, 1982, Forest Engineer, GPA 3.1, SUNY College of Environmental Science , Total Credit hours earned semester: 128, 1972, Arlington High School.

**ADDITIONAL INFORMATION:**

**TRAINING:**

Graduated as a Safety Engineer from the DARCOM Intern Training Center at Red River Army Depot in Texas on 07/12/1983 (1 year training/school/course work).

Have completed Six Sigma Green Belt Training and am a core member of a Six Sigma Green Belt project and expect to be certified sometime in 2011.

**AWARDS:**

Received many monetary awards and recognition certificates from my employer and customers (PM Mortars, PM Crusader, PM-BCT, etc.) throughout my career. Received at least one monetary award and and/or recognition certificate every year from 1982 through present.

This is to acknowledge the receipt of your letter/application dated 2/23/2011 <sup>RECEIVED</sup> (3/18/2011), and to inform you that the initial processing which includes an administrative review has been performed.

AMGNO. 29-00047-02, 29-00047-06, SUB-348  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 574691, 574693  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260. 574694