



**DEPARTMENT OF THE ARMY**  
U.S. ARMY RESEARCH DEVELOPMENT AND ENGINEERING COMMAND  
5183 BLACKHAWK ROAD  
ABERDEEN PROVING GROUND, MARYLAND 21010-5424

REPLY TO  
ATTENTION  
OF:

July 28, 2005

Office of the Commander

Dr. Tom McLaughlin, Decommissioning Branch  
Division of Waste Management  
Office of Nuclear Material Safety and Safeguards  
US Nuclear Regulatory Commission  
Washington, DC 20555

Dear Dr. McLaughlin,

Reference Nuclear Regulatory Commission License No. 19-10306-02, Docket No. 030-36574 for the authorization of Building 7304 located at Fort Belvoir, Virginia.

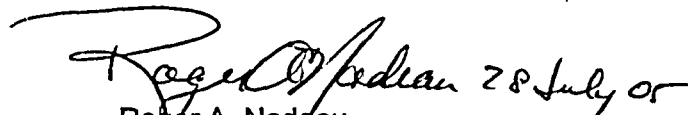
This is to inform you that Ms. Joyce Kuykendall has been temporarily reassigned for a development assignment, and will not be available until mid November 2005 to provide support for this NRC license. Request the following individuals be identified on the NRC license for Fort Belvoir as Alternate Radiation Safety Officers until her return: Mr. Gary Wright and Mr. Ray Mastnjak. They can be reached at the following address and telephone numbers:

US Army Research, Development and Engineering Command  
Edgewood Chemical Biological Center  
AMSRD-ECB-CB  
5183 Blackhawk Road  
Aberdeen Proving Ground, MD 21010  
Mr. Mastnjak - telephone (410) 436-4735; Mr. Wright - telephone (410) 436-2286

A copy of this letter will be forwarded to the Safety Office (AMCPE-SF), US Army Materiel Command, 9301 Chapek Road, Fort Belvoir, Virginia 22060-5527.

Questions regarding this action should be addressed to Mr. Ray Mastnkak, (410) 436-4735, email: [raymond.mastnjak@us.army.mil](mailto:raymond.mastnjak@us.army.mil) or Ms. Joyce Kuykendall, RDECOM Radiation Program Manager, (410) 436-7118, email: [joyce.kuykendall@us.army.mil](mailto:joyce.kuykendall@us.army.mil), or facsimile at (410) 612-5377.

Sincerely,

  
Roger A. Nadeau  
Major General, US Army  
Commanding

Enclosures  
Resumés for Messrs Wright and Mastnjak

Ray Mastnjak  
GS-1306-14, Supervisory Health Physicist  
Edgewood Chemical Biological Center  
APG, MD 21010

410-436-4735

#### EXPERIENCE

May 2002 to Present. Special Assistant and Associate Director, Chemical Biological Services Directorate, GS-1306 -14. Dept. of Army, Edgewood Chemical Biological Center. Aberdeen Proving Ground, MD., 21010. As Associate Director, CB Services Directorate, I have served as the manager of Human Resources for a 1100 person organization, I manage the organization's Logistics Branch, and manage the allocation of office space / laboratory space on behalf of the director. In addition, I develop strategic planning for the organization and negotiate with senior leadership on human capital issues, budgetary issues, organizational objectives and safety / health issues. I recommend policy to the Technical Director and the Commanding General on a wide variety of issues to include personnel, risk management, capital investment, construction of new facilities and infrastructure improvements. I represent the organization in meetings with local/state/national level politicians, local media and during visits by VIPs from other U.S. government agencies and from foreign governments. I serve as the Chairperson for the ECBC Radiation Safety Committee which includes oversight of a 26,000 Curie Gamma Irradiator and an NRC Broad Scope license for research and development activities.

Feb 92 to May 2002, GS-1306-14, ECBC/SBCCOM Biosafety Advisor: Managed the ECBC/SBCCOM Biosafety Program which involves use of a wide variety of microbiologicals and toxins which are of military interest. As Biosafety Program manager, resolved issues with senior level leaders and balanced priorities based on multiple lethal hazard concerns, time constraints, cost constraints and public perception. Managing this program involved leadership outside of traditional organizational lines and development of radical new solutions to emerging safety issues in genetics, biotechnology, vaccine development and counter terrorism. I was designated by the Centers for Disease Control (CDC) as the Responsible Facility Official for all laboratory use permits for work with lethal viruses, bacteria, rickettsiae, and toxins. I am the SBCCOM point of contact for safety/health issues related to the receipt and analysis of samples originating with the intelligence community and law enforcement community. These samples are potentially contaminated with military unique chemical agents, lethal microorganisms, explosives and radioactive materials. I was a key player in the ECBC effort to design and implement a state-of-the-art Biosafety Level 3 (BSL-3) laboratory. I am the ECBC designee for negotiations with U.S. and foreign agencies on all matters related to microbiological safety. I manage a team of biological safety experts who perform certification inspections of foreign and domestic vaccine production facilities as designated by the DoD Joint Vaccine Acquisition Program (JVAP), to include the inspection and evaluation of BSL-3 and BSL-4 facilities in the US and in other nations. I review and approve protocols for work with genetically modified organisms

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(recombinant DNA) and for work with bacteria, viruses and toxins of military / counter terrorism interest. I implemented and administer the ECBC Biosafety Committee and the Recombinant DNA Committee. I review and approve site plans for new microbiological research facilities and provide training in microbiological safety techniques to new employees / contractors / and personnel from other government agencies. Led effort to establish a mobile, robotically enhanced biological monitoring capability at the Edgewood Chemical Biological Center. Ensured this new start up capability stayed on track and was within budget constraints as outlined in the ECBC Business Plan. Met Technical Director's goal of a robotically enhanced mobile bioanalytical capability capable of rapid analysis of 200+ samples daily.

Jan 91 to Feb 2002, GM-1306-13, Team Leader, Safety/Surety/Security Office: Responsible for a team of Safety Engineers and Safety Specialists in the implementation of the ECBC safety and occupational health program. Responsibilities include decision making on the procedures for high risk operations involving military unique chemicals, microbiological materials, explosives, radioactive materials and other hazardous operations. I provide management with input on the safety and health posture of ECBC and on employee goals, training and performance during performance appraisals.

Nov 87 - Jan 91, GM-1306-13, ECBC Radiation Protection Officer: Managed three Nuclear Regulatory Commission (NRC) licenses including a "broad scope" license and a license for a 28,000 Curie gamma irradiator. I coordinated the pick-up, storage and disposal of radioactive waste and served as liaison with state and federal agencies for waste management. Acted as primary ECBC liaison with other agencies such as the Nuclear Regulatory Commission (NRC), Department of Transportation, and the Department of the Navy.

## EDUCATION

B.A. , 1979, (combined) in Biology and Environmental Studies, Connecticut State University, New Britain, CT

SPECIALIZED TRAINING: Basic Radiological Health, 1982; Radiation Protection Principles and Practice, 1982; Advanced Radiological Health, 1983; Packaging of Hazardous Materials, 1983; Laser and Microwave Safety, 1983; Computer Applications in Health Physics, 1984; Communication Skills for Health Physicists, 1984; Transportation of Radioactive Materials, 1985; Radioactive Waste Management and Disposal, 1985; Internal Radiation Dose Assessment, 1985; Radiation Safety Program Management, 1986; Laser Safety, 1986; Gamma Spectroscopy / Rad Air Sampling, 1988; Civilian Personnel Management, Supervisor's Training, 1991; Control of Biohazards in the Research Laboratory, 1992; Non-ionizing Radiation & Fields, 1992; Applied Industrial Toxicology, 1992; Organizational Needs Training for the Quality Supervisor, 1992; Radiation Risk Management, 1993; 3d National Symposium on Biosafety, 1994; Biohazard Science, 1994; Industrial Ventilation, 1994; Ergonomics in the Workplace, 1994; American Biological Safety Conference, 1994, 1996, 1998, 1999; Lessons in Leadership, 1997; Supervisor's Training, 80 hours, Stuttgart CPO, 1991; Organizational

Needs Training for the Quality Supervisor, 16 hrs, Aberdeen Proving Ground, 1992; Lessons in Leadership, 40 hrs, Aberdeen Proving Ground, 1997; ECBC Leadership Cohort Program, 96 hrs, Aberdeen Proving Ground, 2001; Mentor Training, 12 hrs, Aberdeen Proving Ground, 2004.

#### AWARDS:

- Army Materiel Command (AMC), Ten Outstanding AMC Personnel of the Year (Awarded Oct 2004)
- Dept of Army Commendation, 1996, 1997, 1999
- Commander's Award for Civilian Service, Sep 97, from Cdr, CBDCOM.
- Memo of Appreciation, Jan 95, from Director, Arms Control and Treaty Assistance.
- Letter of Appreciation, June 1998
- Memo of Appreciation, June 94, from Technical Director, ERDEC.

#### LICENSES/CERTIFICATES OTHER INFORMATION

- Army Acquisition Corps Level III (Senior) Certification

#### - Publications:

Mastnjak, R. 1987. Environmental Radiation Monitoring at Edgewood Area of APG. US Army Chemical Research, Development and Engineering Center.

Mastnjak, R. 1996. Guidelines For Handling and Transporting Toxic Material Samples, US Army Edgewood Research, Development and Engineering Center.

Mastnjak, R., Eason, C., Nesbit, D. 1997. Radioactive Contamination Study of the M8A1 Chemical Agent Detector Filter, US Army Edgewood Research, Development and Engineering Center.

Johnson, B., Mastnjak, R., Resnick, G. 1999. Safety and Health Considerations for Conducting Work with Biological Toxins, Anthology II, American Biological Safety Association.

**Gary W. Wright, *Chemist***

**U.S. Army Research Development and Engineering Command,**  
**Aberdeen Proving Ground, MD**

**1. Education:**

Towson State University, Towson, Maryland, Bachelor of Science (B.S.),  
Biology and Natural Science, 1979.

Harford Community College, Bel Air, Maryland, Associate of Arts (A.A.),  
Science Laboratory Technology, 1975.

**2. Experience:**

**September 2003 to Present, U.S. Army Research Development and Engineering Command, Aberdeen Proving Ground, Maryland.** Assumed duties as Radiation Safety Officer for Edgewood Chemical Biological Center NRC License 19-10306-01. Conducts/oversees radiological surveys and leak tests for the NRC license and ensures procedures for the safe handling of radioactive materials/devices are followed as well as assuring compliance with appropriate Federal regulations and guidance. Assures training for radiation workers and visitors is provided as necessary. Coordinates the disposal of laboratory radioactive waste with the DoD Waste Disposal Manager.

**March 2002 to September 2003, U.S. Army Soldier Biological and Chemical Command, Aberdeen Proving Ground, Maryland.** Assumed duties as Laboratory Manager for Radiation Analysis Laboratory and appointed as Radiation Safety Officer (RSO) for laboratory. Implements program for radio-analytical support of leak/wipe test program for major Army NRC license. Manages laboratory quality assurance program in support of ISO laboratory certification. Conducts/oversees radiological surveys and leak tests for the laboratory and ensures procedures for the safe handling of radioactive materials/devices are followed as well as assuring compliance with appropriate Federal regulations and guidance. Establishes training requirements and assures training for radiation workers and visitors is provided as necessary. Coordinates the disposal of laboratory radioactive waste with the DoD Waste Disposal Manager.

**July 1979 to March 2002, United States Army Center for Health Promotion and Preventive Medicine/ United States Army Environmental Hygiene Agency, Aberdeen Proving Ground, Maryland.** From April 1997 to March 2002, acted as Team Leader for the Radiologic Analysis Team within the Directorate of Laboratory Sciences (DLS), coordinating analytic schedules and duties of analysts. From July 1979 until March 2002, worked as a physical science technician/biologist/chemist within DLS, performing chemical and/or radiochemical analysis on a wide range of environmental and biological test samples. This involved the use of a variety of

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radionuclides with different activities and in different forms. Operated and calibrated various scientific instruments used in the performance of radiochemical analyses and other laboratory work. Adapted techniques and work procedures in the preparation of biological and environmental samples for analysis. Served as USACHPPM Alternate Radiation Protection Officer (RPO) for building E-2100 from April 2000 until March 2002. Was a voting member of the USACHPPM Radiation Management Committee and Permit Number 12 Holder under the USACHPPM NRC License from July 1997 until March 2002.

Served as USAEHA Chemical Hygiene Officer (CHO) from April 1990 to April 1993.

Served as Primary/Alternate Hazardous Waste Satellite Accumulation Manager from January 1989 to March 2002.

The United States Army Center for Health Promotion and Preventive Medicine (USACHPPM) was formally the United States Army Environmental Hygiene Agency (USAEHA) until March 1996.

### 3. Specialized Training:

Environmental & Occupational Radiation Protection, 3 to 7 August 1981, 40 hours, University of Texas, San Antonio, Texas

Basic Radiation Physics and Nuclear Measurements, 7 December 1981 to 22 January 1982, 30 hours, Aberdeen Proving Ground, Maryland

Chemical Laboratory Safety Class I, 6 to 10 June 1983, 20 hours, Aberdeen Proving Ground, Maryland

Advanced Radiological Health, 13 to 17 May 1985, 36 hours, University of Texas, San Antonio, Texas

Chemical Safety in the Laboratory, 21 May 1987, 4 hours, Aberdeen Proving Ground, Maryland

Transportation and Packaging of Radioactive Materials, February 2000, 16 hours, Nevada Technical Associates, Las Vegas, Nevada

Radioactive Waste Guidance Course, June 2003, 32 hours, Duratek, Inc., Rock Island Arsenal, Illinois

### 4. Professional Membership:

Member - Health Physics Society (25 years)

Member - Baltimore-Washington Chapter Health Physics Society  
(25 years)

**5. Radioisotope Handling Experience:**

| <b>USACHPPM/USAEHA, ABERDEEN PROVING GROUND, MARYLAND</b> |                           |                 |   |
|---|---------------------------|-----------------|---|
| <b>ISOTOPE</b>  | <b>DESCRIPTION</b>        | <b>DURATION</b> | <b>TYPE</b>   |
| <b>Americium 241</b>                                      | <b>millicurie amounts</b> | <b>25 years</b> | <b>radiochemistry - nuclear counting (RCNC) laboratory tests/operations</b> |
| <b>Carbon 14</b>  | <b>microcurie amounts</b> | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Cesium 137</b>   | <b>millicurie amounts</b> | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Nickel 63</b>  | <b>microcurie amounts</b> | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Promethium 147</b>                                     | <b>millicurie amounts</b> | <b>5 years</b>  | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Radium 226</b>   | <b>microcurie amounts</b> | <b>20 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Strontium 90</b>                                       | <b>microcurie amounts</b> | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Thorium 230</b>  | <b>microcurie amts.</b>   | <b>20 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Thorium 232</b>  | <b>microcurie amts.</b>   | <b>20 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Tritium (H3)</b>                                       | <b>curie amounts</b>      | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |
| <b>Uranium 238</b>  | <b>mircocurie amounts</b> | <b>25 years</b> | <b>RCNC laboratory tests/ operations</b>                                    |