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May 3, 2004

Larry Boschult  
Bureau of Radiological Health  
1179 Fairview Drive  
Carson City, NV 89701

Amendments to the 21<sup>st</sup> Century Technologies Materials License – 03-11-0546-01

Larry;

In accordance with this AM's conversation, the training file and Dixie's resume were emailed to you. In addition, please amend Nevada State Health Division Radioactive Material License 03-11-0546-01 as follows:

Section 9: Currently indicates *For Storage Only*; please amend to change to an operating license status,

Section 11: Currently indicates the Radiation Safety Officer as Jeffrey Wilson; please amend to change to Dixie Wells-O'Dou.

In previous conversations, we were charged with submitting written procedures, training documents, and other program changes, which have been completed. Accordingly, we request that you amend License Number 03-11-0546-01, effective - as soon as reasonably achievable.

Also, in the AM conversation, there was discussion regarding notification of Bruce Carrico of the Nuclear Regulatory Commission regarding the change of license status from Storage Only to Operations. We would deeply appreciate your help in communicating that information to him, so that we may at least begin distribution of the items we already have prepared and packaged for sale.

As a courtesy, we will provide verbal notification (give you a call) when we are ready to begin operations assembly. We are still in the process of setting up the operations in accordance with the directions provided by the RSO Pro-Tem.

Please call us immediately if you have any problems, questions, concerns, or issues...or if you don't. Thanks so much for your time.

Sincerely,

Jeff Wilson  
RSO, 21<sup>st</sup> Century Technologies

cc: Dixie Wells, RSO Pro-Tem, RAD\*Ware  
Ken Wilson, 21<sup>st</sup> Century Technologies  
Thomas J O'Dou, Chief Scientist, RWI

**Dixie J Wells-O'Dou, RRPT**  
6461 Plumcrest Road  
Las Vegas, NV 89108

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Phone: 702-645-9313  
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#### **EDUCATION:**

Perkinston College, Perkinston, MS - Bachelor of Arts, English/History, 1968  
Cranston University, Detroit, MI - Bachelor of Science, Electrical Engineering, 1986  
Registered Radiation Protection Technologist, National Registry of Radiation Protection Technologists, 1987  
OSHA Hazardous Materials (40 hour) Training, Allied Technology Corp, Richland, WA, 1993  
OSHA Hazardous Materials Annual Refresher, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003  
OSHA Supervisor, 1993  
Cardio-Pulmonary Resuscitation, First Aid, Blood Borne Pathogen Control, 1981-1996, 1999, 2000

#### **EXPERIENCE:**

*November 2003 to Present*  
**RAD\*WARE Health Physics Services**  
*Lahat, Perak, Malaysia*

Provide on-going Health Physics Consulting services, including setup and operation of a NRC-type Radiation Protection Program. Complete setup and operation of a health physics counting laboratory; including Canberra HPGe gamma counter, Protean alpha-beta counter, and a variety of Ludlum bench and portable instrumentation. Complete all documentation and testing in accordance with the rules and regulations of the Atomic Energy Licensing Board (AELB), to have the counting lab become – only the 2<sup>nd</sup> Certified Laboratory in the country of Malaysia.

*March 1995 to Present*  
**RAD\*WARE Health Physics Services**  
*Las Vegas, Nevada*  
President, Programmer

Provide Health Physics Consulting services to customers. Design, develop, and test applications software to assist the radiation safety industry. Provide technical support to current customers at over 300 locations in the industrial, medical, university, and government. Organization and conduct of technical training classes in Radiation Safety, Instrumentation: Operation and Calibration, Decontamination & Decommissioning, MARSSIM, Materials Shipping, and Averting Radiological Terrorism.

*March 2000 to November 2003*  
*Guest Lecturer and Teacher*  
*Nevada Technical Associates*

Single Instructor for Decontamination and Decommissioning Course and Co-instructor for Radiation Safety Officer, Instrumentation: Operation and Calibration, and Radioactive and Hazardous Materials Shipping. All courses sponsored by NTA.

*September 1999 - November 2000*  
**MKM Engineers, Inc**  
*Radiation Safety Officer*

Wrote program(s) and procedures, as defined by the Nuclear Regulatory Commission, for obtaining Broad Scope NRC Radioactive Materials License for Decommissioning. Working with NRC Region 4 personnel, the license was complete and in operation in under six (6) weeks. As Corporate RSO, monitor all personnel activities with radioactive materials. Write and/or review procedures and work plans for D&D operations, instrument operation and calibration. Audit local activities and all completed records of D&D activities and instrumentation operations. Serve as Project Manager for D&D operations, as required. Provide or assist in training of personnel (company or client) in the use and control of radioactive materials; including records, instrumentation use, cleanup operations, and packaging and shipping of wastes.

*February 1998 - August 1999*  
**Aguirre Engineers, Inc.**  
*Radiation Safety Officer*

Wrote program(s) and procedures, as defined by the Nuclear Regulatory Commission, for obtaining Broad Scope NRC Radioactive Materials License for Decommissioning. Working with NRC Region 5 personnel, the license was complete and in operation in under two (2) months. As Corporate RSO, monitor all personnel activities with radioactive materials. Write and/or review procedures and work plans for D&D operations, instrument operation and calibration. Audit local activities and all completed records of D&D activities and instrumentation operations. Serve as Project Manager for D&D operations, as required. Provide or assist in training of personnel (company or client) in the use and control of radioactive materials; including records, instrumentation use, cleanup operations, and packaging and shipping of wastes.

**Dixie J Wells-O'Dou, RRPT**  
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**March 1996 - February 1998**

**Gutierrez-Palmenberg, Inc.**

**Radiation Safety Officer**

Wrote program(s) and procedures, as defined by the Nuclear Regulatory Commission, for obtaining Broad Scope NRC Radioactive Materials License for Decommissioning. Working with NRC Region 5 personnel, the license was complete and in operation in under two (2) months. As Corporate RSO, monitor all personnel activities with radioactive materials. Write and/or review procedures and work plans for D&D operations, instrument operation and calibration. Audit local activities and all completed records of D&D activities and instrumentation operations. Serve as Project Manager for D&D operations, as required. Provide or assist in training of personnel (company or client) in the use and control of radioactive materials; including records, instrumentation use, cleanup operations, and packaging and shipping of wastes.

Served as Lead Auditor for a comprehensive review of the US Army's Radiation Safety Program. This audit was required by the NRC following a series of accidents and losses involving radioactive materials, and the Army's subsequent failure of a NRC inspection. The audit took approximately one (1) year to complete and the results were presented to a Department of the Army staff panel, including four (4) Generals, at ACALA HQ in Arlington, VA.

**April 1993 - February 1996**

**Allied Technology Group**

**Radiation Safety Officer**

**Richland Waste Processing Operations**

Revised program(s) and procedures for combining two (2) State of Washington licenses (1 for receipt/shipment of materials, 1 for material reduction) into one (1) for receipt, treatment, and shipment of radioactive materials. Working with WA Regulator, Debra McBaugh, the combination was accomplished in approximately six (6) months. Completed all program(s) and procedures for a State of South Carolina Radioactive Materials License, which was ultimately received. As RSO, monitor all personnel activities with radioactive materials. Write and/or review procedures for radiological controls with plant operations. Provide operational guidance for onsite laboratory counting instrumentation; including training. Audit local activities and all completed records of D&D activities, dosimetry, instrument operations, and regulatory personnel records. Serve as Project Manager for D&D cleanup of a hazardous & radioactive materials processing facility in Yakima, WA. Provide or assist in training of personnel (company or client) in the use and control of radioactive materials; including records, instrumentation use, cleanup operations, and packaging and shipping of wastes.

**April 1981 - November 1992**

**Detroit Edison Company, Enrico Fermi 2 NPP**

**Monroe, MI**

**Radiation Protection Engineer**

Served as Vice-Chairman, Moderator, and Teacher for NRC Region III implementation of the changes to 10CFR20, within the region's nuclear power plant community. Also worked with RIII Medical Tech Group to implement the 10CFR 20 changes in their community. Served as 1<sup>st</sup> Radiological Assessor at the startup plant, EF2. Served as one of the first 6 Radiation Protection Shift Supervisors at EF2. Served as Rad Pro interface with Nuclear Safety Group while interning with Nuclear Licensing. Author of the first Radiation Worker and Respiratory Protection Program at EF2. Managed the Dosimetry Section for setup and initial operations of personnel instrumentation, including the Helgeson Whole Body Counter and the ORTEC Gamma Spec Systems for Environmental Control. Managed the setup and operation of the Health Physics supply system(s), and served as the HP interface with medical personnel during setup of the medical testing programs. Served as Emergency Preparedness Team Leader for Radiological drills and as Auditor for NRC and power plant interface operations.

**September 1979 - April 1981**

**Contract HP Organizations**

**Sr. Radiation Protection Technician**

Worked with a series of contract companies; such as Nuclear Support Services, Bartlett Nuclear, etc. as a Sr RP Tech, providing support for routine job coverage, environmental monitoring, HP coordinator, and other evolutions during refueling outages at eleven (11) nuclear power plants.

Provided similar services for power operations at Connecticut Yankee Atomic Power Station in Haddam Neck, CT and Farley Nuclear Power Station in Columbia, Alabama.

**September 1976 - September 1979**

**Ingalls Shipbuilding**

**Pascagoula, Mississippi**

**Radiological Control Technician**

Received initial radiation protection training in accordance with the Navy Nuclear Program and NavSea Articles 107 & 108. Routine operations and job coverage around and inside several nuclear submarines undergoing core replacement (refueling), some of which were shipped to Beatty, NV for burial.

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#### **CERTIFICATIONS, AWARDS, MEMBERSHIPS**

Past Secretary, Lake Mead Chapter of the Health Physics Society, 2000-2002  
National Health Physics Society Affiliates Chairman, 1998-2000  
Plenary Member of Health Physics Society since 1993  
Vice-Chairman, NRC RIII 10CFR20 Implementation Working Group, 1989 - 1992  
Employee of the Month, Enrico Fermi 2, March 1989  
National Registry of Radiation Protection Technologists Registration, 1987  
Member Great Lakes Chapter of Health Physics Society  
Dale Carnegie Management Training Guest Lecturer

#### **PROFESSIONAL COURSES AND SYMPOSIA**

RCRA for Health Physicists, HPS/ACRS Annual Meeting, San Diego, CA, 6/03  
Decontamination & Decommissioning, Nevada Technical Associates, Las Vegas, NV,  
3/99, 10/99, 3/01, 10/01, 4/02, Co-Instructor; 10/02 - 11/03 Single Instructor  
Calibration and Testing of Radiation Detection Instruments, Nevada Technical Associates, Las Vegas, NV,  
4/02 & 10/03, Co-Instructor  
Transportation & Packaging of Radioactive Materials, Nevada Technical Associates, Las Vegas, NV,  
9/00, 2/01, 9/01, 2/02, 9/02, 2/03, 9/03 Co-Instructor  
Radiation Safety Officer, Nevada Technical Associates, Las Vegas, NV,  
5/03, 7/03, 9/03 Co-Instructor w/specialty in Instrumentation  
DOT Rules and Regulations for Radioactive Shipping, HPS Symposium, Philadelphia, PA, 1/00  
Decontamination and Decommissioning Using MARSSIM, ORISE, Oak Ridge, TN, 2/99  
Good Practices in Health Physics, HPS Topical Symposium, Mobile, AL, 1/98  
RCRA Regulations, McCoy and Associates, Las Vegas, NV, 10/96  
NQA-1, Professional Quality Assurance Lead Auditor, L Marvin Johnson Associates, Las Vegas, NV, 6/96  
OSHA 40-hour Hazardous Materials Handling, Allied Technology Group, Richland, WA, 1993  
Management Performance Indices, Detroit Edison Co, 9/90  
10CFR20 Changes and Implementation Guidance, USNRC, Buffalo, NY, 6/90  
Emergency Management, Detroit Edison Co, 1/90  
Principles of Supervision, Detroit Co, 10/89  
Improving Presentation Skills, Detroit Edison Co, 2/89  
Survival Skills for Managers, Detroit Edison Co, 1/89  
Environmental Monitoring and Reporting, Detroit Edison Co, 7/88  
Kepner-Tregoe Problem Solving/Decision Making, Detroit Edison Co, 10/88  
Principles of Reactor Operation, Detroit Edison Co, 6/88  
Off-site Dose Assessment, Detroit Edison Co, 6/88  
Dale Carnegie Course, Effective Speaking and Human Relations, Detroit Edison Co, 9/87  
Internal Radiation Dosimetry, Detroit Edison Co, 10/86