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October 30, 2012

Licensing Assistance Team  
Division of Nuclear materials Safety  
US Nuclear Regulatory Commission, Region 1  
475 Allendale Rd  
King of Prussia, PA 19406

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RE: Requested Amendment to License Number 20-20633-02

Dear Sirs:

Please find attached a request for an amendment to Items 11 and 12 (*Authorized Supervisors & Radiation Safety Officer*) of License Number 20-20633-02. Our package includes a completed NRC Form 313 and other supporting documentation. A second copy of the material is also included.

We thank you in advance for your consideration of our request, and if you have any questions or need any additional information please do not hesitate to contact me.

Regards,

Jerry W. Hiatt, CHP  
Certified Health Physicist  
Chief Technical Officer  
BHI Energy  
508-591-1286  
Jerry.hiatt@bhienergy.com

REC'D IN LAT 11-06-12

579414

NMSS/RGN1 MATERIALS-002

**NRC FORM 313**  
(05-2012)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

**APPROVED BY OMB: NO. 3150-0120**

**EXPIRES: (05/31/2015)**

**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:**

**IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

**SEND APPLICATIONS TO:**

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

**IF YOU ARE LOCATED IN:**

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,  
**SEND APPLICATIONS TO:**

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

**SEND APPLICATIONS TO:**

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

**1. THIS IS AN APPLICATION FOR (Check appropriate item)**

- A. NEW LICENSE  
 B. AMENDMENT TO LICENSE NUMBER 20-20633-02  
 C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

**2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)**

Bartlett Holdings, Inc.  
60 Industrial Park Rd.  
Plymouth, MA 02360  
Attn: Mr. Jerry Hiatt, CHP

**3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED**

Temporary job locations at client sites.

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Jerry W. Hiatt

BUSINESS TELEPHONE NUMBER  
(508) 591-1286

BUSINESS CELLULAR TELEPHONE NUMBER  
(508) 942-0438

BUSINESS EMAIL ADDRESS  
[jerryhiatt@bhienergy.com](mailto:jerryhiatt@bhienergy.com)

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

**5. RADIOACTIVE MATERIAL**  
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

**6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.**

**7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.**

**8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.**

**9. FACILITIES AND EQUIPMENT.**

**10. RADIATION SAFETY PROGRAM.**

**11. WASTE MANAGEMENT.**

**12. LICENSE FEES (See 10 CFR 170 and Section 170.31)**

FEE CATEGORY	AMOUNT ENCLOSED \$

**13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.**

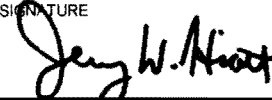
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Jerry W. Hiatt, CHP & Chief Technical Officer

SIGNATURE



DATE

Oct. 30, 2012

**FOR NRC USE ONLY**

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

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## EXECUTIVE SUMMARY

Due to organizational changes Bartlett Holdings, Inc. respectfully requests the following two amendments for the issued License Number 20-20633-02:

- *Item 11, Licensed material shall be used under the supervision of ...*
- *Item 12, The Radiation Safety Office for this license is...*

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### **Current reading of Item 11:**

“Licensed material shall be used by, or under the supervision of Jerry Hiatt, Nick DiMascio, Fred Campbell, Joseph Bisson, David Montt (CHP,) James (Butch) Smith, and Chris Wend.”

### **Requested Amendment of Item 11** (requested change shown in *parenthesis*):

Licensed material shall be used by, or under the direction of, Jerry Hiatt, Nick DiMascio, Fred Campbell, Joseph Bisson, David Montt (CHP), James (Butch) Smith, Chris Wend, *Chris Messier and Gerry Wood*.

Please note that Mr. Messier is currently listed as the Radiation Safety Officer in Item 12 of the existing License, and his qualifications have previously been reviewed. The qualification of the additional individual, Gerry Wood, is shown below. Full resumes of Mr. Wood are included within Attachment 1, “*Resumes of Proposed Candidates.*”

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### **Current reading of Item 12:**

The Radiation Safety Officer for this license is Chris Messier.

### **Requested Amendment of Item 12**

The Radiation Safety Officer for this license is *Joseph Bisson*.

Please note that Mr. Bisson had previously been listed as an “Authorized User.” His qualifications for the RSO Position are shown below. The full resume of Mr. Bisson is also included within Attachment 1, “*Resumes of Proposed Candidates.*”

BHI Energy is fully aware that Mr. Chris Messier will continue to serve as the RSO until the Commission has notified us of an approved License Amendment.

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## 7. Individual Responsible for Radiation Safety Program and their Training Experience

### 7.1 Radiation Safety Officer

**Joseph Bisson** Mr. Bisson has more than 25 years of experience in the nuclear industry, including over 15 years providing combined engineering support for effluent, environmental, and ground water monitoring programs. His experience includes program assessments, implementation, QA surveillance, and data reviews, management, and interpretations. In recent years, Mr. Bisson has conducted NEI 07-07 compliance assessments for ground water protection programs at Three Mile Island and Salem and Hope Creek Generating Stations. Other ground water experience includes reviews of SSC risk assessments, providing recommendations for implementing GWPP, and GWPP procedure development. In addition, he has provided training on implementation of effluent and environmental monitoring programs and for radiological ground water protection programs and has performed effluent monitoring software verification testing.

Mr. Bisson earned BS and MS Degrees in Microbiology from the University of Rhode Island and an MS Degree in Radiological Science and Health Protection from the University of Massachusetts – Lowell.

A complete resume for Mr. Bisson is included in Attachment 1, “*Resumes of Proposed Candidates.*”

### 7.2 Authorized Users

**Gerry Wood:** Mr. Woods has more than 24 years of experience in the nuclear field. Significant positions have included serving as a Final Status Survey Engineer, Radioactive Materials Shipping Broker, Radwaste Shipper, Termination Survey Section Supervisor, Radiological Engineer/Specialist, Radiological Controls Shift Supervisor, Engineering Laboratory Supervisor, and Engine room Supervisor. Mr Wood is experienced in 49CFR Part 172, I&E 79-19 Shipping, Radiological Controls and Radiochemistry operations, Nuclear Steam Supply Systems operations and maintenance, Quality Assurance Program implementation, Planning and Scheduling, Radiological Instrumentation calibration, maintenance and quality assurance programs.

A complete resume for Mr. Woods is included in Attachment 1, “*Resumes of Proposed Candidates.*”

***Bartlett Holdings, Inc.***

***Byproduct Material License #20-20633-02 Amendment Request***

## **Attachment 1**

### **Resumes of Proposed Candidates**

**JOSEPH W. BISSON**  
DIRECTOR OF ENGINEERING

**PROFESSIONAL EXPERIENCE**

**Bartlett Nuclear, Inc.** 3/12- present

**Director of Engineering:**

Provide technical support, direction, and solutions for engineering projects. Maintain and ensure project controls to ensure milestones and budgetary requirements are met during engineering projects. Actively interface with client management and regulatory agency personnel. Assign tasks and recruit resources as needed for engineering projects. Review and approve project invoices, and explore and pursue new business opportunities.

**Senior Radiological Engineer:** 2/08- 3/12

Participated in groundwater investigation efforts to identify potential causes/sources of elevated tritium concentrations in groundwater samples. Performed NEI 07-07 risk-ranking analysis for systems, structures, and components (SSCs) to support groundwater protection programs.

Performed sensitivity analyses to identify dose-sensitive input parameters for the RESRAD and RESRAD-Build computer codes. Applied the sensitivity analysis results in calculations of site-specific derived concentration guideline levels (DCGLs) for open land areas and building surfaces. Developed associated area factors for use with the DCGL values.

Served as Lead Radiological Engineer for a decommissioning project of a commercial environmental laboratory in Massachusetts. Responsibility included conducting and documenting a formal historical site assessment (HSA) for the laboratory; client interface; development of a MARSSIM-compliant survey and sampling plan for the final status survey (FSS) of the laboratory (which was submitted to and approved by the Massachusetts regulatory agency with no requests for additional information); development of project-specific implementing procedures; oversight of radiation protection activities during the demolition phase of the project; design of survey plans for the individual survey units and implementation oversight of those plans; coordination of waste activities; oversight of decontamination activities; radiation survey instrumentation control; review, assessment, and management of survey data; and development of the FSS report.

Developed MARSAME compliant survey plans for the disposition of potentially contaminated material & equipment at a decommissioned power reactor site.

Performed correlations between effluent release data and environmental sample analytical results, reviewed and evaluated analytical data from effluent samples and various environmental media samples, and reviewed and evaluated meteorological data and associated atmospheric dispersion parameters.

Served as subject matter expert during effluent and environmental program self-assessments, which included assessing implementation of selected program element against regulatory guidance (e.g., RG 1.21 and RG 1.109) and current industry practices, identifying program strengths and weaknesses, report development, and formulating recommendations for corrective actions and program improvements.



Developed 1-day MARSAME training course, including an overview of the MARSAME approach for surveying potentially contaminated material and equipment and examples of the practical application of the MARSAME approach.

Drafted Annual Radiological Effluent Release Report; responsibilities included data collection, review, and verification, dose calculations, and written report. Provided training on effective implementation of effluent and environmental monitoring programs and ground water protection programs to utility personnel.

Conducted assessments of effluent and environmental monitoring programs and performed NEI 07-07 assessments for radiological ground water protection programs.

Drafted LTP chapter for compliance with radiological criteria for license termination.

Provided technical oversight for a DCGL development project. Performed sensitivity analyses using the RESRAD computer codes to support development of building surface and soil DCGLs for the Fermi 1 site. Responsibilities included exposure scenario selection; reviewing, prioritizing, classifying, and selecting values for input parameters; identifying data gaps; performing and documenting RESRAD code executions; evaluating results, technical reviews of RESRAD executions performed by co-workers, identifying sensitive input parameters, and recommending appropriate values for sensitive input parameters.

Supported the decommissioning of a research laboratory at the University of CA-Berkeley. Responsibilities included sampling plan development and review, logistics coordination, site preparation, sampling plan implementation, evaluation of analytical data, fieldwork oversight, and waste broker selection, and coordination of waste removal activities. Also drafted a supplemental (MARSSIM-based) soil sampling plan to support release decisions regarding land areas associated with the decommissioned research laboratory.

**C.N. Associates, Inc.** 7/03-2/08

**Health Physicist/Radiological Engineer:**

Participated in drafting industry reports issued through EPRI.

Reconstructed occupational (external and internal) doses for energy employees qualified under the Energy Employees Occupational Illness Compensation Program Act. Dose reconstruction work was performed for the Oak Ridge Associated Universities Team Dose Reconstruction Project for the National Institute for Occupational Safety and Health. Responsibilities included review and verification of dosimeter and bioassay (in vivo and in vitro) data, determination of intakes based on bioassay data, calculation of external and internal doses, determining a probability of causation for illness, and report development.

Final status survey (FSS) engineer at decommissioned nuclear power site; experience includes: FSS procedure development, technical support document development, characterization survey designs for concrete structures and soil areas, final status survey design, survey implementation oversight, survey data review and validation, and assuring that FSS procedures, technical support documents, survey plans, survey implementation, and data quality comply with the site's LTP and MARSSIM guidance.

Dose modeling experience to support FSS program and license termination: performed site-specific dose modeling using the RESRAD computer code; performed sensitivity analyses for parameters used in internal and external dose calculations; performed DCGL calculations, provided technical reviews for dose parameter bases and DCGL calculations; participated as a member of technical



support team responsible for presenting the dose modeling approach and parameter selection to regulators.

**Framatome-ANP** 4/02-7/03

**Scientist:** Responsibilities and experience includes: calculations of annual doses from radioactive material in gaseous and liquid effluent; calculations for inhalation, ingestion, and external dose conversion factors for ODCMs; evaluation of REMP data; modifications of ODCM equations for calculating internal and external doses; dose assessment training to state and utility emergency response personnel, development of environmental impact report sections to support siting of a uranium enrichment facility, and performing radiological waste characterization and classification calculations.

**Duke Engineering & Services** 12/97-3/02

**Scientist:** Served as a Technical Advisor during a project for recovery of radioactive material from private residences - responsibilities included providing resolutions to technical, radiological survey and programmatic issues. Provided technical oversight for FSS group - reviewed survey data and coordinated fieldwork.

Performed calculations of annual doses associated with radioactive material in gaseous and liquid effluent; calculated dose conversion factors for ODCMs; provided dose assessment training to state and utility emergency response personnel

Provided support for D&D projects - performed waste characterization and classification calculations for large reactor components; developed characterization survey plans; evaluated characterization survey data.

**Yankee Atomic Electric Company** 1/96-11/97

**Senior Radiological Engineer:** Member of a Quality Assurance oversight group supporting decommissioning activities at a nuclear power plant site; duties included:

- Conducting daily QA surveillance and inspections of Radiation Protection and Health & Safety programs,
- Performed 29CFR1910 compliance reviews for the asbestos and lead programs.

Performed waste characterization and classification calculations and prepared shipping papers for radioactive waste shipments. Conducted audits of radioactive waste programs and effluent & environmental monitoring programs. Provided emergency response dose assessment support to state and utility response personnel.

**Yankee Atomic Electric Company** 7/89-1/96

**Senior Engineer:** Calculated annual internal and external doses from radioactive material in gaseous and liquid effluent.

Developed inhalation and external dose algorithms for an emergency response dose assessment computer program; verified and validated emergency response dose assessment software; and provided training to state and utility users of the code. Performed effluent monitoring software verification testing, and compared and evaluated atmospheric dispersion and dose assessment models. Performed safety evaluations for storage of low-level radioactive waste, and conducted audits of effluent and environmental monitoring programs.

**Impell Corporation** 9/87-7/89

**Technical Specialist:** Developed technical affidavits to support licensing hearings for a utility-sponsored emergency response plan and organization; areas of responsibility included radiological assessments, personnel monitoring and decontamination, and radioactive waste confinement and disposal. Developed accident scenario packages to support radiological emergency response drills, and served as a controller and as a player in radiological emergency response exercises and drills.





**Impell Corporation** 8/85-9/87

**Senior Engineer:** Served as the lead for a radiological emergency response procedure development group - duties included schedule maintenance, task assignments, and procedure development and review. Additional responsibilities included working with federal and state agency representatives on radiological emergency response issues.

**Impell Corporation** 9/83-8/85

**Principal Engineer:** Developed emergency response exercise scenario packages, performed general radiological engineering analyses, prepared lesson plans, and provided training in health physics and radiological assessment to utility personnel.

**Miriam Hospital** 9/79-9/81

**Quality Assurance Technologist:** Conducted laboratory research to identify and characterize plasmid-determined enzymes. Responsibilities included experimental design, data management, oversight and training of technicians, and performing specialized quality control tests.

**U.S. Environmental Protection Agency** 5/74-9/78

**Microbiologist:** Developed and evaluated methods for quantifying bacteriological indicators of pollution in environmental water. Responsibilities included method development, water sampling and analyses, data management, peer training and epidemiological study support.

**EDUCATION**

MS, Radiological Science and Health Protection, University of Lowell, [REDACTED]  
MS, Microbiology, University of Rhode Island, [REDACTED]  
BS, Microbiology, University of Rhode Island, [REDACTED]  
Hazardous Waste Management Certificate, UMASS-Lowell, [REDACTED]  
Environmental Technology Certificate, UMASS-Lowell, [REDACTED]

**PROFESSION DEVELOPMENT/TRAINING**

RESRAD, RESRAD-Offsite, and RESRAD-Build Training  
Implementing the MARSSIM Approach for Design and Conduct of Radiological Surveys  
Environmental Regulations  
Hazardous Material Transportation: Mandates & Compliance  
Health and Safety Training for Hazardous Waste Operations (HAZWOPER)  
Occupational Safety and Health Administration (OSHA) 501: Voluntary Compliance  
in Safety and Health  
OSHA 521: Voluntary Compliance in the Industrial Hygiene Area  
Radioactive Waste Packaging, Transportation and Disposal  
Environmental Site Assessment & Compliance Audits

**PROFESSIONAL AFFILIATIONS/CERTIFICATIONS**

Health Physics Society, Member

**REFERENCES**

Supplied upon request.

PERSONAL INFORMATION WAS REMOVED BY NRC. NO COPY OF THIS INFORMATION WAS RETAINED BY THE NRC.



**Gerald L. Wood**  
RADIOLOGICAL ENGINEER

**Experience Summary**

24 years of experience in the nuclear field. Significant positions have included Final Status Survey Engineer, Radioactive Materials Shipping Broker, Radwaste Shipper, Termination Survey Section Supervisor, Radiological Engineer/Specialist, Radiological Controls Shift Supervisor, Engineering Laboratory Supervisor, and Engine room Supervisor. Experienced in 49CFR Part 172, I&E 79-19 Shipping, Radiological Controls and Radiochemistry operations, Nuclear Steam Supply Systems operations and maintenance, Quality Assurance Program implementation, Planning and Scheduling, Radiological Instrumentation calibration, maintenance and quality assurance programs.

Assisted in the development and implementation of the instrumentation program and technician workforce to support the NUREG/CR-5849 Termination Survey of the Shoreham Nuclear Power Station. During the fall of 1995, was employed as a Senior Field Specialist at the Mobil Research and Development Laboratories, Princeton, New Jersey, to facilitate the termination of their licensed facilities in accordance with NUREG/CR-5849. From January 1996 to January 2000, was employed at the Yankee Nuclear Power Station in various capacities to support Final Status Survey (5849) with follow on implementation of emergent NUREGS and MARSSIM into site operating procedures and routines. Temporarily assigned to the Connecticut Yankee Nuclear Power Station and Argonne National Labs CP-5 Decommissioning Project in support of their characterization and Final Status Survey efforts during this same time period.

Employed as a Final Status Survey Specialist at the Maine Yankee Nuclear Power Station in 2000. From June 2000 until January 2001, was employed at the Colonie, New York FUSRAP site as a radiological controls and industrial hygiene technician, with collateral duties as an HPGe operator.

In January 2001, accepted employment at the Yankee Nuclear Power Station as a staff member of the DURATEK Health Physics Department. In this assignment, was responsible for developing and implementing the health physics department training program in support of the Fuel Transfer Operations Contractor project. After the training program was established, was assigned as the radioactive materials shipper for the FTOC project.

In August 2003, was assigned as Duratek's certified Radioactive Materials Shipping Broker to the Demolition and Decommissioning Project at the Yankee Nuclear Power Station.

**Selected Project Experience**

**NASA Plumbrook Reactor Facility**  
**Sept 2004 – Present**  
**Final Status Survey Engineer**



BML 20-20633-02 Amendment 10.2012– Form 313

Provide Final Status Survey Support to include; survey design, directing survey performance, performing survey area classifications, determining operational parameters of FSS instrumentation, supervising data collection, supporting data evaluation and closeout of final status survey packages. Routine use of Visual Sample Plan software to develop statistical sample plans in accordance with EPA, NRC, and general industry release criteria. Development of Technical Basis Documents as assigned. Authoring Final Status Survey Reports for submittal to the NRC. Responsible to the FSS Manager for monitoring subcontractor progress and compliance during soil remediation, excavation and radioactive waste shipping campaigns.

### **Yankee Nuclear Power Station**

**Aug 2003 – Sept 2004**

#### **Health Physics Staff**

Provide Shipping Broker (NRC IE 79-19, 49CFR172 Subpart H, 10CFR20 App. G, etc.) and shipment preparation support to demolition and decommissioning project, project to include shipment of ~40 million pounds of radioactive and mixed hazardous wastes to Duratek, Envirocare of Utah and Barnwell for processing and/or disposal. Interface with transport vendors, waste burial site personnel, and on-site demolition personnel responsible for environmental health and safety to assure compliant loading and shipment of demolition rubble.

### **Yankee Nuclear Power Station**

**Jan 2001 – Aug 2003**

#### **Health Physics Staff**

Provide Shipper (NRC IE 79-19, 49 CFR172 Subpart H, etc.) and shipment preparation support to fuel transfer project, shipment classifications and DOT categories to include LQ, LSA, SCO, Type A and Type B quantities. Originate and process procedures for: routine Health Physics operations, Greater Than Class C sorting equipment installation and operations, and systems custody and operations transition between client and subcontractor; in support of fuel transfer from the spent fuel pool to onsite storage casks (NAC-MPC/ISFSI). Train and qualify personnel to provide routine fuel transfer health physics support. Calibrate, repair, maintain, and supervise logistical support of radiological instrumentation for the fuel transfer project. Supervise, provide vendor interface, and maintain consumable radiological supplies in support of the fuel transfer project. Provide routine health physics support for fuel transfer operations.

### **Colonie, New York FUSRAP Site**

**June 2000 – Jan 2001**

#### **Radiological Controls Subcontractor/HPGe Specialist**

Calibration, maintenance, and operation of site gamma-spectrometry system (EG&G GMX-45225-P-S HPGe/A66-B32 GammaVision). Maintenance and repair of radiological and industrial hygiene field instrumentation. Maintenance and repair of radiological count room instrumentation. Collection, preparation, and analysis of soil samples for non-hazardous / non-radiological material determinations. Field designation and mapped result archiving using TRIMBLE global positioning hardware, and Pathfinder Office 2.51 with Arcview GIS V3.1 software. Routine FUSRAP radiological support, MARSSIM final survey support.

### **Maine Yankee Nuclear Station**



**Feb 2000 – June 2000**

**Final Status Survey Specialist**

Development and implementation of Final Status Survey packages in support of MARRSIM (NUREG 1575) decommissioning. Interface with quality assurance and regulatory or oversight personnel concerning the integrity and process management of acquired data. Procedure development and initiation of new procedures. Design and performance of evaluations against NIST traceable standards, testing the veracity of field survey methodologies. Data evaluation of completed Final Status Surveys against NUREG-1575 requirements. Compilation of final reports prior to license termination.

**Argonne National Labs, CP-5 Decommissioning**

**Jan 2000 – Feb 2000**

**Final Status Survey and Instrumentation Specialist**

Calibration of portable radiological survey equipment, establishment of a repair parts inventory and vendor re-supply program. Audit and revision of instrument issue and accountability procedures and routines. Audit of Final Status Survey process documentation, and implementation of corrective actions to address audit deficiencies. Classroom and practical application training of technician workforce in the use of Eberline E600 based survey equipment, and its' execution in performing the Final Status Survey. Demonstration to client of in-situ survey equipment and techniques for surveying internal piping surfaces.

**Yankee Rowe Nuclear Power Station**

**Dec 1998 – Jan 2000**

**Radiological Protection Engineer**

Development of operating procedures and supporting technical basis documents to implement NUREG 1507 into daily operational routines. Calibration of portable radiological equipment, whole body counters, smear counting systems, and HP-Ge counting systems. Development of operating procedures and equipment to perform in-situ pipe surveys. Free release surveys of on-site structures to off-site uses.

**Yankee Rowe Nuclear Power Station**

**Jan 1996 – Dec 1998**

**Instrumentation Specialist**

Initial evaluation and vendor liaison for selection and procurement of instrumentation to be utilized for Final Status Survey; development of calibration, operation, and quality control implementing procedures for Final Status Survey instrumentation. Procedure development and data acquisition for Final Status Survey background assessment.

**Mobil Research & Development Laboratories**

**Oct 1995 – Jan 1996**

**Senior Field Specialist for Final Status Survey**

Accuracy and content review of surveys taken to support scoping, characterization, remediation control, and final status of Mobil's licensed facilities at Princeton, New Jersey. Additional support furnished to instrumentation maintenance, repair and quality control routines; decontamination efforts in preparation for radwaste transfers; acquisition of field radiological



BML 20-20633-02 Amendment 10.2012- Form 313

measurements; operation of liquid scintillation equipment and measurement result analysis; payroll and personnel administrative duties.

**Three Mile Island Nuclear Generating Station**

**Aug 1995 – Oct 1995**

**Senior Health Physics Technician**

Routine refuelling outage support for radioactive material transfers, monitoring of radioactive work practices, and maintenance of radiological areas in the outage equipment support building.

**Indian Point 3 Nuclear Power Plant**

**May 1995 – July 1995**

**Senior Health Physics Technician**

Routine outage support for refuel floor, NI cal and trips, and balance of plant.

**Vermont Yankee Atomic Power Plant**

**Mar 1995 – Apr 1995**

**Senior Health Physics Technician**

Routine refuelling outage support for refuel floor, CRD rebuild, radiography, and balance of plant.

**Shoreham Nuclear Power Station**

**Jul 1993 – Aug 1994**

**Termination Survey Section Supervisor**

Planning and scheduling of survey technician workforce: oversight of section equipment and instrumentation inventories, calibration and maintenance; initial evaluation, design and certification of conventional and multi-detector in-situ instrumentation to support the termination survey of piping system internal surfaces; review and approval for radiological conditions on maintenance work requests, review and approval of termination survey field measurements prior to submittal for database evaluation.

**Shoreham Nuclear Power Station**

**Jan 1992 – Jun 1993**

**Termination Survey Section Supervisor**

Planning and scheduling of survey technician workforce: oversight of section equipment and instrumentation inventories, calibration and maintenance; initial evaluation, design and certification of conventional and multi-detector in-situ instrumentation to support the termination survey of piping system internal surfaces; review and approval for radiological conditions on maintenance work requests, review and approval of termination survey field measurements prior to submittal for database evaluation.

**Three Mile Island Nuclear Generating Station**

**Sept 1991 – Nov 1991**

**Senior Health Physics Technician**



BML 20-20633-02 Amendment 10.2012- Form 313

Routine refuelling outage support for radioactive material transfers, refuel floor operations, monitoring of radioactive work practices and maintenance of radiological areas in the outage equipment support building.

**R.E. Ginna Nuclear Power Station**

**Feb 1991 – May 1991**

**Senior Health Physics Technician**

Routine refuelling outage support for radioactive material transfers, refuel floor operations, monitoring of radioactive work practices, initial sump and void entries.

**DOE Naval Reactors Site, West Milton, NY Aug 1988 – Nov 1990**

**Senior Lead Radiological Controls Monitor (General Dynamics, Electric Boat Div.)**

Radiological controls implementation and technician supervision for refuelling, fuel severing, and HEPA system certification; reactor plant overhauls and decommissioning; radioactive waste reduction, compaction, solidification, and shipment; spent fuel shipment.

**United States Navy Nuclear Power Program**



**S5W Engine Room Supervisor**

**Leading Engineering Laboratory Technician**

**Radiological Controls Shift Supervisor**

**Diesel Engine Technician**

PERSONAL INFORMATION WAS REMOVED  
BY NRC. NO COPY OF THIS INFORMATION  
WAS RETAINED BY THE NRC

**Education/Training**

- US Navy, Leadership, Management, Education Course
- NAVSHIPS Article 108 Qualified
- US Navy, Operational Water chemistry
- US Navy, Diesel Master Mechanic School
- US Navy, Engineering Laboratory Technician Course
- US Navy Nuclear Power and Prototype Schools
- Graduated Winter Haven High School, Winter Haven, FL
- Massachusetts Licensed Asbestos Contractor Supervisor (current)
- HAZWOPER (current)
- 49 CFR Part 172, Sub.H / IE79-19 (current)
- Duratek Certified Radioactive Materials Shipping Broker (current)
- IH Technician (current)
- State of New York Class A Asbestos Handler - AH 91-01917

This is to acknowledge the receipt of your letter application dated

10-30-12, and to inform you that the initial processing which includes an administrative review has been performed.

Amend: 20-20633-02  
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** 579414.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.