



SHIELDALLOY METALLURGICAL CORPORATION

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Certified Mail: P 284 355 015  
Return Receipt Requested

January 25, 1993

Mr. Yawar H. Faraz  
Mail Stop 6H-3  
Advanced Fuel & Special Facilities Section  
Fuel Cycle Safety Branch  
Division of Industrial and Medical Nuclear Safety  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

RE: Application for Amendment of USNRC Source Material License Number SMB-743,  
Docket No. 40-7102

Dear Mr. Faraz:

As recommended in your letter of December 15, 1992, Shieldalloy Metallurgical Corporation (SMC) is requesting amendment of Condition 12 of Source Material License Number SMB-743 to reflect the following administrative changes in its radiation protection program:

1. Overall control and authority for radiological protection at SMC shall rest with the Senior Vice President of Manufacturing, Mr. Richard D. Way.
2. The Radiation Safety Officer for SMC is Mr. Craig R. Rieman. A copy of Mr. Rieman's resume is attached.
3. The Assistant Radiation Safety Officer (ARSO) is Mr. James P. Valenti. A copy of Mr. Valenti's resume is attached.

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Mr. Yawar H. Faraz  
U.S. Nuclear Regulatory Commission  
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4. In addition, Authorized Users for SMC are:

David R. Smith  
Bill Grabus  
Knud Clausen  
Brian Martin  
Al Lashley  
Richard Bodine  
Robert A. DeGrange  
Robert Nesbitt  
Eli Medina

SMC understands that the license amendment fee will be assessed and billed at a later date by the USNRC. Therefore, no fee is enclosed.

If you have any questions, please contact me at (609)692-4200.

Sincerely,



Craig R. Rieman  
Radiological Safety Manager

CRR:lms

CC: John Kinneman, USNRC (Region I)  
Steven N. Rappaport  
Michael A. Finn  
Richard D. Way  
David R. Smith  
Jay E. Silberg, Esq.  
Carol D. Berger

**CRAIG R. RIEMAN**  
Shieldalloy Metallurgical Corporation  
Radiological Safety Manager

**EMPLOYER**

Shieldalloy Metallurgical Corporation  
12 West Boulevard  
Newfield, New Jersey 08344  
(609)692-4200

**EDUCATION AND TRAINING**

B.S. (Business Administration) Susquehanna University (1981)

A.A.S. Nuclear Engineering Technology/Radiation Protection (1993 expected)

"Air Sampling for Radioactive Materials" Oak Ridge Associated Universities (1992)

Safe Air Environmental Group (U.S. EPA and NYS Certified Asbestos Supervisor/Contractor)

Niagara County Community College (U.S. EPA and NYS Certified Asbestos Inspector and Management Planner)

OSHA Hazardous Waste Training (40 Hours)

First Aid Certified

**PROFESSIONAL AFFILIATION**

Health Physics Society

Delaware Valley Society for Radiation Protection

New Jersey Chapter of Health Physics Society

**REPRESENTATIVE EXPERIENCE**

- Shieldalloy Metallurgical Corp. (New Jersey), Site Radiological Characterization - Coordinated and arranged subcontracts for health physics and surveying services. On-site manager of characterization activities including sub-contractor oversight. Compiled data for preparation of the characterization report.

- Shieldalloy Metallurgical Corp. (Ohio), Site Decommissioning - Conducted oversight of radiological surveys for verification and release reports of the site. Supervised radon flux measurements of radioactive slag piles. Audited data compiled by radiological subcontractor for preparation of final decontamination report for the facility.
- IBM (New York), Mixed Waste Remedial Action - Task manager of radiological issues concerning the excavation and treatment of 200 cubic yards of thorium and VOC contaminated waste. Excavation activities included the removal of over 30 drums and 150 laboratory packages of unknown contents. On-site manager of health physics and labor subcontractors during the excavation, treatment, and disposal activities. Prepared project reports for submittal to state agencies.
- Amerada Hess Corp. (U.S. Virgin Islands), Emergency Response Asbestos Abatement - Conducted operational safety, and regulatory compliance audits of the abatement contractor procedures at the client's St. Croix oil refinery. Provided personnel air monitoring for asbestos exposure during abatement activities resulting from Hurricane Hugo damage. Managed the quantitative respirator fit testing of more than 130 individuals. Provided the on- and off-site environmental air sampling for asbestos fibers.
- Allstate Insurance (Texas), Asbestos Abatement - Supervised and monitored the removal of a 35,000 sq. ft. of asbestos-containing roof. Provided area air sampling to verify airborne asbestos concentrations. Interfaced with U.S. EPA and Texas Air Control Board concerning acceptance of engineering removal techniques. Coordinated the replacement of the new roof between the abatement, electrical, and roofing contractors. Prepared post-abatement report for publication.
- Yellow Freight System, Inc. (Illinois), Asbestos Abatement - Provided abatement contractor oversight during the removal of 3,500 sq. ft. of asbestos-containing spray-on insulation. Conducted area air monitoring for airborne asbestos fibers. Coordinated re-insulation, electrical, and mechanical contractors during restoration activities. Prepared post-abatement report for publication.
- Quantum Chemical (Illinois), Radon Flux Measurement Survey - Designed, implemented and supervised the radon flux measurements of phosphogypsum piles as regulated by EPA/NESHAP. Coordinated the laboratory analysis of over 700 radon samples using 10-inch radon canisters. Interfaced with EPA for notification of sampling, regulatory compliance, and measurement reportings.
- U.S. Department of Energy - FUSRAP (Missouri), Radiological Characterization - Provided industrial hygiene/health physics monitoring of personnel during sampling and drilling activities. Prepared gamma ray measurement reports for various local properties and haul roads. Calibrated radiation detection and industrial hygiene instruments.

- U.S. Department of Energy - FUSRAP (Massachusetts), Radiological Remedial Action - Supervised removal and containment of uranium and asbestos-contaminated roof. Responsible for air monitoring, personnel monitoring, sample collection, and interim storage of waste. Collected and reported radiation measurements for equipment and building release surveys. Determined site personnel radiological and asbestos exposure.
- U.S. Department of Energy - FUSRAP (Oregon), Radiological Characterization - Conducted radiological surveys of U.S. Bureau of Mines laboratories. Conducted radon surveys for building releases. Assisted engineering contractor in developing remediation procedures.
- Confidential Project (Vermont), Radiological Source Leak Audit - Conducted radiation survey to determine extent of polonium-210 source leak in customer products at various sites in Vermont. Designed, implemented, and verified remedial action. Supervised contained waste storage and shipment off-site. Coordinated client's release of decontaminated products for unrestricted use.
- U.S. Department of Energy - FUSRAP (New York), Radiological Characterization - Provided industrial hygiene and health physics monitoring support during drilling of monitoring wells and sample boreholes at radioactive waste storage site. Supervised field data collection of subsurface gamma measurements. Conducted surface water sampling for chemical analysis. Directed complete building surveys to determine radiological, chemical, asbestos, and safety hazards.
- U.S. Department of Energy - FUSRAP (Tennessee), Initial Decontamination Demonstration - Supervised the monitoring of a shotblast decontamination system for airborne contaminants, noise level, and worker heat stress. Compiled radiation measurement data for release report. Assisted in preparing report to DOE recommending operational improvements and applications of new decontamination unit.
- Dunkirk Power Station, Niagara Mohawk Power Corp. (New York), Various Outages - Coordinated procurement of safety equipment with department supervisors for outage projects. Fitted personnel with proper protection equipment. Supervised waste removal for reclamation or disposal.

## **PUBLICATIONS AND PRESENTATIONS**

Rieman, C.R., Leichtweis, C.P. 1989. Clean Atmosphere Approach to Radiological Decontamination of Concrete Surfaces. American Nuclear Society Transactions 60:539. Presented at 1989 Winter Meeting of the American Nuclear Society, San Francisco, November 30, 1989.

**JAMES PAUL VALENTI**  
**Shieldalloy Metallurgical Corporation**  
**Environmental Manager**  
**and**  
**Alternate Radiation Safety Officer**

**EMPLOYER**

Shieldalloy Metallurgical Corporation  
12 West Boulevard  
Newfield, New Jersey 08344  
(609)692-4200

**EDUCATION AND TRAINING**

Lafayette College, Geology

Syracuse University, Advanced Soil Mechanics and Foundations

Radiation Safety Associates, Inc., Radiation Safety Officer  
Training (40 hours)

IT Corporation Hazardous Waste Operations and Emergency Response  
(OSHA 29 CFR 1910.1200, 40 hours)

**REGISTRATION**

Certified Professional Geologist No. 664,  
State of Indiana

N-2 Industrial Wastewater Treatment System Operator  
License #N1343 (NJDEPE)

**PROFESSIONAL AFFILIATION**

Society of Mining Engineers

National Ground Water Association

**REPRESENTATIVE EXPERIENCE**

Currently, as Environmental Manager, Mr. Valenti is responsible for managing a Remedial Investigation/Feasibility Study, Treatability Study, Risk Assessment, Ground Water Monitoring Program, Interim Ground Water Remediation, RCRA Closure and UST Removal Program. He is also involved in a Radiological Characterization for NRC License Renewal Application. He is the Alternate Radiological Safety Officer and manages the Right-to-Know Program including EPA Toxic Release Inventories and State inventories/emergency planning. Mr. Valenti manages the Material Safety Data Sheets and label programs. He is also responsible for all air permits at the facility.

Previously, (1986-1989), Mr. Valenti was employed by the Northern Division, Naval Facilities Engineering Command as a Project Manager in the Environmental Division conducting Remedial Investigations/ Feasibility Studies, RCRA Facility Investigations and UST Closures. He was a member of slate and selection committees, prepared Government estimates, negotiated and awarded contracts then managed projects with consultants performing work at Naval Facilities in Rhode Island, New Jersey, Pennsylvania, and Indiana under the Navy Installation Restoration Program. He was responsible for coordinating the projects with State and Federal Agencies.

From 1979 to 1986, Mr. Valenti was employed by Stone & Webster Engineering Corporation as a Geologist and Construction Engineer. He was assigned to various nuclear and fossil fuel power plant projects, office and industrial site projects, transportation projects and nuclear waste site investigations. His responsibilities included supervision of excavation and backfilling, blast monitoring, geologic mapping, structural geology studies boring/well logging, exploratory well log interpretation and geologic photographic documentation.

Prior to joining Stone & Webster Engineering Corporation, he performed inspection and testing of soils in the field and laboratory, inspection of concrete placement and compressive strength testing, inspection of structural steel erection and inspection of pile installation. Mr. Valenti also has mud logging experience from exploratory wells in the Gulf of Mexico.