

Umetco Minerals Corporation



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August 13, 2014

Mr. Dominic Orlando, Senior Project Manager
Decommissioning and Uranium Licensing Directorate
Division of Waste management and Environmental Protection
Office of Federal and State materials and Environmental management Programs
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
11545 Rockville Pike
Rockville, Maryland 20852

Reference: **Radioactive Materials License SUA-648 Docket No. 40-0299**
Subject: **Administrative Amendment Request to Change RSO Designation**

Umetco Minerals Corporation is requesting that Ms. Brittany Sandberg be approved as site Radiation Safety Officer (RSO) for the former uranium mill at Gas Hills, Wyoming, regulated by the U.S. Nuclear Regulatory Commission, Material License SUA-648. Ms. Sandberg's experience is given in the enclosed resume along with her RSO refresher training certificate which shows she meets the minimum qualifications specified in Section 2.4.1 of Regulatory Guide 8.31.

Ms. Sandberg has been working in the nuclear industry for eight years, in which time she has held various positions relating to radiation safety applications at uranium recovery facilities. As part of her duties, Ms. Sandberg has had responsibilities for nuclear density gauges, health physics monitoring, materials monitoring and radiation safety training. Ms. Sandberg has been approved and served previously as an RSO for facilities in Arizona and Colorado.

If you have any questions or need any additional information please contact me at 970-256-8889.

Sincerely,

Thomas E Gieck
Remediation Leader

TEG/jfc
Enclosures (2)

FSME20



Brittany Sandberg

Industrial Hygienist

Denver Health, Safety and Environment Manager

Overview

Ms. Sandberg is an industrial hygienist with URS. Her duties include managing the internal URS Health, Safety, and Environment Programs as well as providing industrial hygiene, radiation safety, training, and auditing services to clients.

Related Experience

Health, Safety, and Radiological Program Manager, Abandoned Uranium Mine, Confidential Client 2010-present:

Managed, designed, and implemented a unique and complex health, safety, and radiation protection program for an abandoned uranium mine slated for cleanup action under CERCLA. The health, safety, and radiation protection program developed for this site received URS' highest corporate achievement award, the President's Award. The radiation protection program included the development of: standard operating procedures (SOPs) [SOPs included: contamination prevention and monitoring procedures, disposal, manifesting and transport of radioactive material procedures, As Low As Reasonably Achievable (ALARA) procedures, respiratory protection procedures, stay time procedures, and radiological and industrial hygiene exposure monitoring procedures]; radiation worker training; radiation work permits; establishment of an ALARA committee; and regular and annual program audits. The radiological exposure monitoring and control program was designed to evaluate, track, report, and mitigate exposures to site contaminants including: gross alpha, beta and gamma radiation, uranium 233/234/235/238, radium 236, and radon 222. The program evaluated daily, weekly, monthly, and annual radiological exposures (internal and external) for each site employee so that radiological exposure issues could be readily identified and maintained in accordance with As Low As Reasonably Achievable (ALARA) principles and compared to the NRC occupational dose limits for radiation workers. Bioassays (urine) and particulate size selective [AMAD] personal breathing zone monitoring was conducted to evaluate uranium and radium intakes as well as uranium chemical toxicity. Radon intakes were evaluated using high-sensitivity personal alpha track detectors, real-time radon monitors (Sabre BZM), and MSHA's Kuznetz Method for radon progeny. External exposures were evaluated using TLD badges, Instadose badges, GammaRAEs, and integrating alpha/beta/gamma dose rate monitors. This internal/external radiological exposure monitoring was conducted to evaluate and report committed dose equivalent (CDE), committed effective dose equivalent (CEDE), total organ dose equivalent (TODE) and total effective dose equivalent (TEDE) for workers at the site. The radiological contamination control program was designed to evaluate, track, and document that all site personnel, environmental samples, and equipment

Areas of Expertise

Radiation Monitoring and Safety
Industrial Hygiene
Health and Safety
Regulatory and compliance auditing
AHERA building inspector
HAZWOPER
Fall Protection/High Angle Ropes
Training
Ergonomics
Oil and Gas Health and Safety
Environmental Investigations
Removal Actions
EE/CA

Years of Experience

With URS: 7 Years

Education

BS/Environmental Health/2007/
Colorado State University
Fort Collins, Colorado

Registration/Certification

Radiation Safety Officer
OSHA Training Institute- 24 Hour
Oil and Gas
Loss Prevention Training (LPS)-
Chevron
PEC Safeland USA and SafeGulf
HAZWOPER – 40-hours
Nuclear Gauge Operator
State of Colorado Asbestos
Building Inspector- Certificate No-
14732



removed from radiological contaminated areas were maintained below the applicable requirements for removal of personnel and equipment from radiological contaminated areas.

Health and Safety Technician, URS Denver, 2007-2011:

Assist the URS Radiation Safety Officer (RSO) in maintaining the Radiation Safety Program for the URS Denver. Duties include evaluating, maintaining and distributing dosimetry records; ensuring regulatory compliance with NRC and OSHA; maintaining NRC and State licenses; conducting radiation safety awareness training; auditing radioactive materials storage and usage sites; and nuclear density gauge leak testing.

Health and Safety Technician, Project Rulison, Battlement Mesa, Colorado, 2007-2008:

Provided project support for exploration and production (E&P) activities conducted at Noble Energy Production, Williams Production RMT Company and EnCana Oil and Gas E&P sites within the Project Rullison [nuclear] Test site. Responsibilities included conducting radiological monitoring of drill cuttings, produced water, and other environmental media as well as worker exposure monitoring when oil and gas drilling operations occurred at depths near the Project Rulison Nuclear Test site depth. Environmental and worker exposure monitoring was conducted using a variety of direct reading instruments including: gamma scintillators, Geiger-Mueller detector, integrating alpha beta gamma dose monitors, TLD badges, and others.

U.S. Air Force Air Mobility Command/Air Education and Training Command ESOHCAMP Program:

Audited more than twenty five Air Force Bases across the United States to evaluate occupational health program compliance. Audits included an assessment of base-wide programs including: ionizing and nonionizing radiation, respiratory protection, chemical hazards, hearing conservation, personal protective equipment, ventilation, hazardous materials, and other areas. Audited all types of work areas on the bases including vehicle maintenance, aircraft maintenance, and civil engineering (HVAC, electrical, utilities) shops; fuel system maintenance and repair shops; fire departments; hospitals and clinics; recreation areas (golf courses, bowling alleys, auto and wood hobby shops); and entomology facilities.

UOP Callidus Technologies, Oklahoma:

Provided management support for the Site's industrial hygiene compliance program. Program support included: an evaluation of engineering controls; establishment of regulated areas; providing hazard communication training; development of contamination prevention and medical monitoring procedures; and baseline and quarterly exposure monitoring of employees potentially exposed to various contaminants of concern. Exposure monitoring consisted of task-based and full-shift personal air monitoring to evaluate employee exposures to hexavalent chromium during metal fabrication operations (e.g., welding, cutting, brazing, painting, sanding, blasting, etc.) conducted at the site.



Monitoring included: establishing similar exposure groups, preparing sampling equipment and media, documenting exposure monitoring activities, establishing process flowcharts, and report preparation.

Chevron Environmental Management Company, Confidential Location:

Provided health and safety oversight for confidential pipeline activities. Oversight consisted of managing the health and safety programs for a multilingual work crew. Health and safety oversight included developing and implementing standard operating procedures for all project operations, verifying training, conducting safety meetings, running emergency response drills, implementing behavior based safety programs, and maintaining project compliance with Chevron Operational Excellence tenants.

UOP, a Honeywell Company:

Conduct regulatory review and update of the Site's industrial hygiene programs. Conduct audits of current industrial hygiene practices and provide corrective action plans so that the industrial hygiene program requirements are met. Conduct qualitative exposure assessments and process/task reviews to assign quantitative monitoring priorities for chemical, physical and biological agents. Developed a risk prioritization scheme to prioritize corrective actions and appropriately allocate funding. Conduct task-based and full-shift personal air monitoring; octave band analysis; ultrasound analysis; and noise monitoring for employees potentially exposed to airborne and noise hazards. Monitoring included: establishing similar exposure groups, preparing sampling equipment and media, documenting exposure monitoring activities, establishing process flowcharts, and report preparation.

Merck & Co., Inc., Boulder, Colorado:

Provide industrial hygiene services for Merck's Environmental, Health and Safety department. Industrial hygiene services included air monitoring (direct reading, laboratory analytical, surrogate, dust, etc.), noise monitoring (noise dosimetry, octave band analysis), and asbestos building inspections. Provided occupational health auditing services to evaluate compliance with OSHA regulations and Merck's corporate procedures. Evaluated fall protection procedures and equipment, and developed a site specific fall protection training program.

Roche Colorado Corporation, Boulder, Colorado:

Provide industrial hygiene management and technical review of industrial hygiene technicians performing exposure monitoring activities (personal and area air monitoring, particulate monitoring, direct reading instrument monitoring, noise monitoring, etc.) in Roche's pharmaceutical processing areas. Provided FDA required monitoring services for Roche's quality assurance department. Monitoring includes biomonitoring (air sampling) for bacteria, yeast, and mold, cross-contamination studies and particle count studies which are conducted in advanced pharmaceutical and potent compounds Pures Areas.

Hospira, Inc., Boulder, Colorado:



Provide industrial hygiene technical support for the respiratory protection programs implemented in the manufacturing areas at the site. Support included respiratory protection training and respirator fit tests.

BP-Gulf Coast Restoration Project:

Created auditing checklists for all of the BP Gulf Coast Facilities where operations requiring compliance with OSHA standards (i.e., flammable liquids; welding, cutting, and brazing; HAZCOM; Cranes; etc.) were being conducted. Identified follow-up corrective actions for the facilities where checklist requirements were not met.

United States Postal Service (USPS), Various Locations:

Conducted industrial hygiene monitoring during various bulk mail handling and label printing operations. Monitoring included hexavalent chromium and welding fume monitoring during maintenance operations (welding); noise dosimetry and octave band analysis during mail handling; and carbon black, carbon monoxide, and ozone monitoring during label printing. Conducted asbestos, lead based paint, indoor air quality, mold, and hazardous waste inspections at various facilities throughout the Western United States.

Colorado Oil and Gas Association (COGA):

Provide project health and safety and environmental sampling support for characterization of environmental wastes associated with exploration and production (E&P) activities in the 5 energy basins in Colorado. Coordinated health and safety and environmental sampling activities with environmental personnel at Bill Barrett Corporation, Noble Energy Production, Williams Production RMT Company, and EnCana. Managed H&S exposure monitoring, respiratory protection, fall protection, work near water and personal protective equipment programs for all of the project teams. Conducted environmental sampling of E&P waste streams to characterize potential environmental impacts. Sampling including ground water monitoring; sludge, sediment, surface water, and soil sampling; and air monitoring.

Holly Energy Partners:

Provide regulatory and compliance review of Holly Energy's Health, Safety and Environment Policy and Procedures Manual. Policies and procedures reviewed included: respiratory protection program, excavation safety program, asbestos and lead program, crane safety, hot work and others. Policies were reviewed for compliance with federal, state and local requirements.

Oil and Gas Exploration and Production Operations, Various Locations:

Provide health and safety support for URS employees working on various projects at oil and gas sites on the western slope of Colorado. Services include writing project specific health and safety plans, project health and safety audits, job safety analysis review, site visits, personal air monitoring, and fall protection plan development.

URS Internal Auditing Programs



Developed an internal health and safety auditing program that is implemented in all URS Colorado offices. The auditing program focuses on behavior based safety and utilizes a health and safety management system approach to auditing.

Employee Exposure Monitoring, Various Locations:

Perform air monitoring using a variety of direct reading instruments including: flame ionization detector, photoionization detector, combustible gas indicator, and others. Also collects personal air samples per NIOSH and OSHA methods.

Asbestos Building Inspections, Various Locations:

Conduct asbestos building inspections at various locations for various clients in Colorado. Inspections include renovation and demolition projects, office buildings, and warehouses. The scope of serviced provided include review of building plans, sample collection and documentation of suspect materials, and report preparation.

Contact Information

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Brittany.Sandberg@urs.com

Certificate of Training

Awarded To

Brittany Sandberg

Recognizing completion of 5 days of specialized instruction in

Radiation Safety Officer

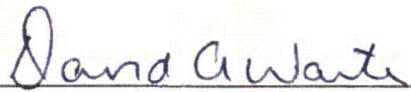
June 13, 2014


Presented By

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AAHP has awarded this course 32 Continuing Education Credits, 2013-00-060


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