

APPENDIX 2

*URS CORPORATION
PERSONNEL RESUMES*



B. Scott Davidson, CHP, CSP

Principal Health Physicist

Overview

Mr. Davidson has 31 years of professional experience in radiological and environmental management. Specialties include program development, assessment and implementation, instrumentation, air monitoring, radiological risk assessment, data management, licensing, permits, and training.

Areas of Expertise

Radiological Health, Engineering, and Assessment

Radioactive Waste Management and Disposal

Years of Experience

With URS: 1.5 Year

With Other Firms: 30 Years

Education

M.S./1975/Radiological Health Option/Rutgers University, New Brunswick, New Jersey

B.S./1973/Environmental Sciences/Rutgers University, New Brunswick, New Jersey

Registration/Certification

1984/CHP/#2292

2001/CSP/#16766

Project Specific Experience

Remedial Investigation

Consultant Certified Health Physicist, USACE FUSRAP sites (2003–2004):

Radiation Safety Officer and Site Safety and Health Officer for remedial investigation of shallow land disposal area in Western Pennsylvania. The disposal area was used primarily for uranium wastes. Conduct comprehensive health and safety program during remedial investigation activities at a radioactive and hazardous waste disposal facility including use of Level B personnel protective equipment. Routine radiation and contamination surveys, RWPs, external dosimetry and internal dosimetry, RP instrumentation, four-gas and PID measurements. Compressed gas and hazardous energy control, fire safety, daily toolbox briefing, etc. Site Manager/SSHO and RSO during abandoned warehouse site investigation and Class 3 MARSSIM survey – reviewed and implemented survey design. RSO/SSHO for groundwater delineation project at FUSRAP project. Used CAP-88 to determine annual radiation doses to members of the public from FUSRAP project.

Research Reactor Decommissioning

Nuclear Engineer/Health Physicist, Plum Brook Reactor Facility D&D Project, Sandusky, Ohio (2001–2003):

Senior advisor to the team on all aspects of radiological safety and decommissioning for NASA research reactor. This work included working with the client (NASA) and the prime contractor to USACE to develop and review the remedial design plans and procedures for the demolition and decommissioning of two research reactors. Radiological Functional Team Lead – review and concur with the NASA RSO on key elements of the radiological program. Development of QA procedures and conducted field oversight of characterization surveys, demolition and other contractor-performed work. Ensure that the integration of industrial safety and health program including Be, LO/TO, cranes, confined space, machine guarding, etc. and radiological safety met client requirements. Assisted USACE and NASA Environmental Scientists in environmental and safety program areas including development of environmental sampling plans, groundwater and air monitoring program and data review.



Radiological Consultant

NORM

Radiological risk assessment for source material licensee facility (Molycorp, Inc.) in Pennsylvania for interim storage facility. Risk assessment included dose calculations to workers and the environment. Performed dose calculations to personnel from radium scale in pipes used in gas and oil industry. .

Radiological Closure

Health Physicist, DOE Ohio Field Office (1997–1998):

Oversight of management, bioassay, and radiation protection program. Health Physics subject matter expert for Operational Readiness Review for restart of activities involving enriched restricted materials. Reviewed Contractor's Implementation Plan and Basis for Interim Operations (remedial design and demolition plans). Performed plant hazard analyses including determination of credible accident scenarios during remediation work. Development of potential source terms and consequences; and determination of preventive and compensatory measures in support of IP/BIO development.

Medical Products

Health Physicist (2001):

Day-to-day responsibility for radiation protection program at a facility with four cyclotrons. Wrote procedures, prepared Radiation Work Permits, and trained facility staff. Performed extremity dose reconstruction. Implemented electronic dosimeter use and improved whole body multi dosimetry.

Independent Review

Lead Health Physicist and Project Manager (1998–2001):

Expert review of the DOE-Mound Bioassay and Internal Dosimetry and Radiological Protection Program.

Agreement State Program

Staff Health Physicist (1997):

Developed and implemented licensing and inspection program for Ohio Department of Health, Columbus, Ohio. Inspection of radioactive materials licensees, including medical and industrial facilities.

Radiological Decommissioning

Senior Radiological Consultant, Site remediation (1994–1996):

Developed radiological protection program for drug delivery system NRC applicant. This included license application and conducted training for radiation safety personnel and investigators Performed chemical and ecological risk assessment. Designed experiments to determine site-



specific K_d partition coefficient for contaminated soil to determine radionuclide fate and transport. Developed site-scoping procedures for D&D.

Commercial Power

Radiological Operations Support Division Manager, Pilgrim Nuclear Power Station (1989–1993):

Responsible for:

- Calibration of fixed and portable radiation detection instrumentation including area and process radiation monitoring equipment used for normal and emergency plant monitoring.
- Respiratory protection including maintenance, inspection, and sanitization of full face and PAPR respirators, SCBA, and bottle charging equipment. Use of breathing air system, as needed.
- Personnel radiation monitoring including issuance of TLDs and Self-Reading Pocket Optical Dosimeters.
- Radiation records.
- Litigation research and support.
- Operation and maintenance of whole body counting equipment (closed chair and standup monitors).
- Operation and maintenance of intrinsic germanium detector systems.
- Supervision of four professional, four technicians, and several clerical staff.
- Wrote application to the NRC for removal and placement of 65,000 ft³ of radioactively contaminated soil under 10 CFR 20.302
- Emergency Plan Dose Assessor.

Radiation Specialist, U.S. Nuclear Regulatory Commission, King of Prussia, Pennsylvania (1986–1989):

Responsible for performing safety inspections at commercial nuclear power plants in the following areas: solid, liquid, and gaseous waste systems, transportation and disposal, confirmatory measurements, radiological environmental monitoring, etc.

Staff Health Physicist, South Carolina Electric and Gas, VC Summer Nuclear Station (1981–1986):

Procedure development for start up and testing of commercial nuclear plant, training and personnel dosimetry issues. Developed radiological laboratory intercomparison program, performed power entries to perform neutron spectral measurements at 50 & 100% power, etc.

Health Physicist

Development of radiation safety program for rare earth facility decommissioning. Implemented compliance activities for radiography program.



Military Installation Radiation Safety Program Implementation

Radiation Safety Officer, Charleston, SC, Naval Shipyard, U.S. Army R&D facility (1977–1979):

Responsible for NRC license compliance regarding radiography, calibration, and DOT shipping, and transportation activities. Assisted in baseline environmental monitoring at future shipyard and emergency planning and response.

Professional Societies/Affiliates

Health Physics Society (Plenary Member since 1974)

American Academy of Health Physics (Certified Health Physicist)

Board of Certified Safety Professionals (Certified Safety Professional)

Languages

English

Specialized Training

Confined Space/PCB/Lead Awareness

Asbestos Abatement Contractor/Supervisor

HAZWOPER Refresher

MARSSIM

RESRAD/RESBUILD

Hazardous Waste/Radioactive Waste Manifest Refresher

HM-230 Radioactive Material Transportation Refresher

Security Clearance

Inactive DOE Q Clearance

Publications

“Independent Expert Review of the DOE-Mound Bioassay/Internal Dosimetry and Radiological Programs”, work performed by Davidson & Associates, LLC under contract to the DOE Ohio Field Office, December 2000

“Discovery of Five-Year Old Unanalyzed Bioassay Samples”, Smith, David G. (Team Lead), Davidson, B. Scott (Team Member) et al.

Chronology

08/03–Present, URS Group

07/01–08/03, USACE

07/98–07/01, Davidson & Associates, LLC

07/97–07/98, Jason Associates Corporation

12/1996–06/97, Ohio Department of Health

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10/94–12/96, ICF Kaiser Engineers
01/94–10/94, Sole Proprietor
01/89–12/93, Boston Edison Company
03/86–01/89, U.S. Nuclear Regulatory Commission
10/81–03/86, South Carolina Electric & Gas Company
10/80–10/81, Catalytic, Inc.
03/80–09/80, Rad Services, Inc.
10/79–03/80, Yankee Atomic Electric Company
04/78–10/79, U.S. Navy Shipyard Charleston, SC
07/77–04/78, U.S. Army Fort Monmouth, NJ
10/75–06/77, University of Illinois, Chicago, IL
11/74–10/75, Hines VA Hospital, Hines, IL

Oak Ridge/9-8-04/Rev. 1]



Eric W. Olson

Environmental Engineer

Overview

Mr. Olson has over 12 years of experience in field engineering and management. He prepares work plans and specifications for environmental remediation projects, and provides field supervision and support for characterization and remediation projects.

Project Specific Experience

Hicksville Soil Remediation Project (Verizon), Hicksville, NY

- Team Leader for health physics support and remediation verification for the remediation of uranium- and thorium-contaminated soils. Manages field group of health physics technicians that perform MARSSIM final status surveys and associated soil sampling,
- Primary Investigator for evaluation of on-site Gamma Spectroscopy results and Alpha Spectroscopy results, which are analyzed at an independent off-site laboratory. Used a regression analysis to compare the results of the two labs and to develop a standard-error correction factor.
- Prepared Standard Operating Procedures for radiological work involving elevated levels of Uranium-235, Uranium-238, and Thorium-232. The work also involves high levels of Tetrachloroethene (PCE) and Trichloroethene (TCE). These procedures provide instructions for the operating radiological field equipment, air monitoring, analyzing air and soil sample analysis, sample preparation, and Radiation Health instructions. The QA/QC specifications for the work processes and instrument checks were incorporated into each procedure.
- Analyzes environmental samples on the project's on-site Gamma Spectroscopy Detectors. Assisted in the development of the Quality Assurance program, as it applies to Gamma Spectroscopy.
- Assisted in the development of an automated process of real-time output of Gamma Spectroscopy analytical results into the project's sample database. This process involves several different work groups and companies. Over 15,000 samples have been analyzed by the site's Gamma Spectroscopy Units and the results have been compiled into the master on-site database.
- Developed the project's Anomaly Database, used to record information on sub-surface anomalies found during excavation. This database tracks anomalies and compares them to the field instrument readings, VOC analysis results, and on-site Gamma Spectroscopy results.

Radiological/Project Engineer, Bettis Laboratory (1999-2002)

Developed technical work documents and provided project-engineering support for the remediation of radiologically contaminated buildings and equipment from the initial research phase to final package closeout. Responsible for issuing project cost estimates, exposure estimates, man loading, and schedules. Work includes hazardous/mixed waste identification, minimization, storage, and disposal requirements. Responsible for selecting the required personal protective equipment for projects under his cognizance. Tasks involves developing procedures for

Areas of Expertise

Radiological Remediation
Field Engineering
Facility Decontamination

Years of Experience

With URS: 3 Years
With Other Firms: 9 Years

Education

BS/Civil Eng/Michigan
Technological University

Registration/Certification

Engineer-In-Training
Yearly/Radiation Worker
Requalification
Yearly/HAZWOPER



work with 1R/hr controls and $>1,000,000$ pCi/100 cm² conditions, selection and configuration of Lifting and Handling equipment including structural calculations and welding specifications, and coordinating several simultaneous work crews. Conducted Quality Assurance (QA) audits of projects not under his cognizance.

Completed Projects:

GMTR Pump Room (Assistant and later Lead Engineer)

- Prepared technical work documents and specifications for removal of water and sludge from a pump room that used to transfer radiological liquids. The waste material contained high levels of Tetrachloroethene, Xylene, Dichloroethane, Thorium-232, and Cesium-137.
- Designed the engineering controls and the pumping system used to transfer the water and sludge from the sump up 30 feet to the Mixed Waste Storage Area.
- Developed the sampling plan used to characterize each container of waste. Trained the Radiation Technicians and Radiation Workers on the sampling methods to be used.

MEL MET and Central Fan Rooms (Lead Engineer)

- Prepared technical work documents for the remediation of approximately 5000 square feet of Cobalt-60 and Uranium-238 contaminated test facility in a High Radiation Area.
- Performed the engineering calculations needed to select the lifting and handling equipment needed to move heavy waste items from the fan room to the main floor. Prepared the required Lifting and Handling Authorization Forms, which required the engineer to prove through calculations that the lifting configuration selected was adequate for proposed loading.
- Supervised the removal of over 500 cubic feet of contaminated waste, which was removed and packaged for disposal. Waste items included equipment containing PCB's, Lead, Chromium, Cadmium, and Asbestos. Designed the Asbestos controls needed for the disassembly of Asbestos Containing Materials (ACM) and prepared the Asbestos Work Permits needed for this project.
- Two obsolete gloveboxes were dismantled and packaged for disposal. Designed two large ventilated glovebags which fully encased each glovebox.
- The project was completed 2 months ahead-of-schedule and under budget.

Sampling of Contaminated Storm Drain (Lead Engineer)

- Developed the Sampling Plan for the characterization of future site work involving a contaminated storm sewer line. The drain contained Uranium-235, Uranium-238, and Cobalt-60 contaminated debris from a nearby shop facility. The area is also suspected to contain hazardous contaminants above the RCRA and TSCA limits. The sample plan was developed by using the guidelines in the EPA's Test Methods for Evaluating Solid Waste (SW 846) and the site's Environmental Engineering Manual.
- Trained the Radiation Workers and Technicians on the sampling methods to be used when collecting the radiological samples, to minimize the spread of



contamination and to reduce the chance of cross-contamination.

- Supervised the collection of soil and debris samples that were sent to Gamma Spectroscopy for analysis. Prepared and maintained the QA/QC documents used during sample collection.

Demolition of Uranium Fuel Storage Vault (Lead Engineer)

- Prepared work documents and specifications for the complete removal of a 2000 cubic feet nuclear fuel storage vault. The vault was made of extremely high density and strength concrete (nuclear grade concrete). The fuel storage compartments were wrapped in Cadmium sheeting. Some materials of the vault also contained high level of PCB's and Asbestos.
- Prepared and maintained the Cadmium Compliance Document used to describe what engineering and administrative controls would be used during demolition. Developed the engineering controls used to minimize Cadmium airborne concentrations, which included the use of localized work-site ventilation, hooded ventilation workstations, and a large work-site enclosure. Selected the locations, frequency, and methods used to collect air samples (both area and personnel air samples). These samples were analyzed for Cadmium fume, Silica dust, and radioactive particulates.
- Prepared the Contract of Analytical Services for an off-site laboratory that was used to analyze the air samples for Cadmium and Silica dust. Calibrated the air sampling equipment. Completed and maintained the QA/QC paperwork for the air sampling program. Reviewed the air sample results daily for action limits and trend analysis.
- Provided training for the assigned Radiation Workers and Technicians on the hazards of PCB's and Cadmium, and how these hazards were to be mitigated during the course of the project.
- The demolition was designed in a manner to segregate the different types of wastes and to prevent the spread of contamination to other materials. The result was the generation of no Mixed Waste with this project, saving the client time and money that would have been needed for waste processing. concentrations did not exceed the Permissible Exposure Level specified by 29CFR1926.
- Due to needs of the client, a majority of this project was performed after normal working hours. Designated by the site manager as his representative after normal working hours.
- Documented and tracked the quantity and disposition of hazardous waste as it was generated.

Removal of Thoria Exhaust Filters (Lead Engineer)

- Prepared technical work documents and specifications for the removal of highly contaminated lab ventilation filters. The filters were used to trap airborne contaminants from the exhaust ventilations from Uranium and Thorium contaminated gloveboxes which were used in the preparation and testing of fissile and fertile materials. Each filter contained approximately one curie of radioactivity.
- Developed a sampling plan used to determine the spread of contamination through various components of the ventilation system. Used these sample results to specify the engineering controls needed to dismantle specific ventilation components.

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- Developed a mock-up training program that was used to simulate the removal of the filters and to train the assigned work crew. This program was also used to test engineering controls that would be used during the actual removal process and to identify potential problems.
- Supervised the removal of the filters, which was performed using the High Risk Radiological Controls program, used for task involving contamination levels in excess of 1,000,000-pCi/100 cm².

Specialized Training

Hazardous Waste Generator/Transporter (Commonwealth of Pennsylvania)

Chronology

2002 – Present: URS, Buffalo, N.Y.

1999 – 2002 - Philotechnics Ltd., West Mifflin, PA

1993 – 1999 – US Navy



Jeffrey S. Day

Senior Environmental Engineer/Physicist

Overview

Mr. Day has over 5 years of experience in Radioactive Waste Management, and Applied Radiation Protection for clients in government and private sectors and over 7 years experience in Programming, Data reduction, Instrumentation, and Physics. He has provided technical and computer support to both state and federal government agencies. Mr. Day has participated in demolition and decontamination activities for the control and containment of waste and has performed surface and subsurface characterization.

Areas of Expertise

Radiological Measurements
Physics
Environmental Engineering
Information Systems

Years of Experience

With URS: 5 Years
With Other Firms: 3 Years

Education

MS/Instrumentation,
Physics/1999/University of
Utah
BS/Physics/1998/University of
Utah

Registration/Certification

National Registry of Radiation
Protection Technologist (RRPT)

Project Specific Experience

Federal Projects

Instrumentation Specialist, SLDA Parks – Site Characterization, Parks, PA, ACOE, 2004: Performed 100% coverage survey on 45 acre site using Sodium Iodide detector and fidler. Radiation instrumentation was connected to Global Positioning System with all data recorded electronically.

Instrumentation Specialist, Bone Break Seminary & Adjacent School/Chemfirst, Dayton, OH, ACOE, 2003: Investigated sites, Bone Break Seminary and Adjacent School, and Chemfirst both are in Ohio, for the Army Corps of Engineers using a global positioning system in conjunction with radiation survey equipment. Provided all necessary support to log, differentially correct, and export data.

Instrumentation Specialist, Bone Break Seminary & Adjacent School – Site Characterization, Dayton, OH, ACOE, 2003: Provided radiological support for Army Corps of Engineers for site characterization and collection of geoprobe samples at the Bone Break Seminary and Adjacent School. Maintained, packaged, shipped samples according to Army Corps of Engineers' strict protocol and procedures.

Hazardous Waste Management Projects

Technical Support, Radiological Investigation of the Agrico Site, Carteret, NJ (2005): Performed GPS-linked gamma radiation surveys of 35 acres of former industrial land to identify areas of contamination. Performed 20%-coverage surveys site-wide and 100%-coverage fill-in surveys to characterize contaminated areas. Set up GPS systems and performed data transfers.

Technical Support, Field Survey of NORM Radioactivity in Oilfield Pipes in Santa Maria, CA (2005): Performed gamma- and beta-gamma radiation surveys of used oilfield pipe to characterize radiation levels at 30-cm intervals in hundreds of pipes using a high-efficiency scintillometer coupled to a data logger.



Health Physicist, Radiological Surface Surveys at Colorado School of Mines, Golden, CO, 2001: Performed radiological surface surveys and support during characterization phase of clean up at Colorado School of Mines. Using a global positioning system connected to radiation survey equipment the 6 acre site was characterized in preparation for decommissioning activities.

Health Physicist, BP, Health Physics and Radiological Support, Warrensville, OH, 2003: As decontamination and decommissioning contractor provided health physics and radiological support for BP Warrensville, OH. Provided air monitoring, dosimetry, and final status survey support for license termination of the facility. Ensured all activities were conducted in accordance with the methodology as presented in the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) (NUREG-1575).

Health Physicist, BP, QA for D&D Activities, Warrensville, OH, 2001-2003: Provided over-site and quality assurance (QA) for decontamination and decommissioning activities to allow unrestricted use of BP Warrensville facility, in Ohio, and license termination. Ensured all activities were conducted in accordance with the methodology as presented in the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)(NUREG-1575). Performed formal review of multiple reports submitted to the state of Ohio.

Professional Societies/Affiliates

Health Physics Society, Member #30943

Languages

English

Specialized Training

2002/LANL Rad Worker II Training

2000/Respirator Certified

1999/40-hour Hazardous Waste Operations and Emergency Response Training (29 CFR 1910.120)

Engineer In Training – Passed FE Exam (EIT)

2004/National Registered Radiation Protection Technologist (RRPT)

Security Clearance

DOE Clearance C, Badge #171634

Contact Information

URS Corporation

756 East Winchester, Suite 400

Salt Lake City, UT 84107

Tel: 801.904.4000

Direct: 801.904.4114

Fax: 801.904.4100

Jeff_Day@urscorp.com



Amy Robin Jones

Environmental Engineer

Areas of Expertise

Data Analysis and Interpretation
Radiological Assessment and
Verification

Years of Experience

With URS: 3 Years
With Other Firms: 9 Years

Education

MS/2000/Environmental Policy
and Management/University of
Denver
BS/1990/Science Biology/Mesa
State College

Registration/Certification

Registered Radiation Protection
Technologist

Overview

Ms. Amy Jones is a registered radiation protection technologist with over 12 years experience conducting radiological assessment and verification surveys; and analyzing radiological and site data. She has developed, reviewed and implemented radiological work plans and project specific procedures. She assisted in the development of procedures and data management practices to handle the large volume of electronic data generated by combining GPS data with radiological survey data.

Project Specific Experience

Technical Support, Radiological Investigation of the Agrico Site, Carteret, NJ (2005): Performed GPS-linked gamma radiation surveys of 35 acres of former industrial land to identify areas of contamination. Set up and verified instrument performance. Performed 20%-coverage walk-over surveys and 100%-coverage fill-in surveys. Developed isopleth maps of Ra-226 contamination.

Radiological Survey Team Member, Kraft Site (2003): Radiological assessment of building and parking lot at the Kraft site in West Chicago.

Radiological Survey Team Member, Norton Air Force Base (2001): Radiological verification and data analysis of final status surveys at Building 752, Norton Air Force Base. Specific duties included conducting surveys, oversight of remediation contractor, analysis of radiological data and review of data for final report.

Inclusion and Verification Radiological Team Leader, Monticello Vicinity Properties (1992-1999): Radiological Team Leader for Inclusion and independent verification of the 424 Monticello vicinity properties. Specific duties included conducting radiological surveys, evaluating survey data, and generating project reports. Performed independent evaluation of radiological survey methods and procedures used to verify sites meet site criteria. Reviewed historical assessment, construction, remedial action, and verification data to ensure sites meet criteria to support deletion from the NPL.

Professional Societies/Affiliates

Health Physics Society

Specialized Training

1991/40-hour Hazardous Waste Operations and Emergency Response Training

1994/8 Hour Supervisor Hazardous Waste Operations and Emergency Response Training



Mark F. Passuite

Senior Environmental Scientist

Overview

Mr. Passuite has fifteen years of experience in site characterization, environmental monitoring, data assessment, quality assurance and radiation science. His current assignment is in radiochemical data validation and quality assurance supporting environmental monitoring, hazardous waste programs, and internal dosimetry.

Project Specific Experience

Senior Environmental Scientist, WVDP (2003-Present): Perform radioanalytical and chemical data validation for the Department of Energy's (DOE) West Valley Demonstration Project (WVDP). This includes various environmental and waste stream data.

Radiation Safety Officer, FUSRAP (2000-2001, 2003-Present): Health Physicist for a field investigations at the Middlesex Sampling Plant. This site is a part of the DOE's Formerly Utilized Sites Remedial Action Program (FUSRAP).

Senior Environmental Scientist, USACE (2003-Present): Performed radioanalytical validation of data collected at various U.S. Army Corps of Engineers (USACE) sites. These included the Middlesex Sampling Plant and the Shallow Land Disposal Area Site at Parks Township.

Senior Environmental Scientist, DOE/USACE (2003-Present): Responsible for interacting with contract laboratories to resolve analytical discrepancies with the DOE and USACE.

Lead Scientist, WVDP (1990-2001): Lead scientist responsible for field team coordination and sample management during numerous investigations of environmental samples collected at the WVDP. The sampling events involved subsurface soils, surface soils, sediments and groundwater for radiological and chemical parameters. These programs were done in accordance with the U.S. Department of Energy (DOE) and WVDP Radiological and Industrial Work Permits.

Lead Scientist, WVDP (1990-2001): Lead scientist for conducting near-site surface soil surveys at the WVDP to evaluate airborne deposition of radionuclides. This included performing an overland gamma survey, analyzing data, and preparing a report of the results.

Co-Preparer, WVDP (1990-2001): Co-preparer of the WVDP site radiological surveys environmental information document in support of the environmental impact statement (EIS).

Chronology

2003 – Present: URS, West Valley, N.Y.

2001 – 2003: Niagara County, New York

1990 – 2001: URS/Dames & Moore, West Valley, N.Y.

1983 – 1990: Erie County Medical Center, New York

Areas of Expertise

Facilities Assessment
Data Validation
Radiation Health and Safety

Years of Experience

With URS: 13 Years
With Other Firms: 2 Years

Education

BA/1983/Biology/State University
of New York at Buffalo

Registration/Certification

1983/Certified Nuclear Medicine
Technologist/Nuclear Medical
Institute
Yearly/Radiation Worker
Requalification
2004/Safe Transportation of
Hazardous Materials (HM126F)



Thomas J. Urban

Environmental Engineer

Overview

Mr. Urban provides field and project support for environmental programs. He combines a familiarity with radiological and chemical monitoring instrumentation with capability for data management through Geographic Information Systems (GIS).

Project Specific Experience

SLDA – Vandergrift, PA: Responsibilities included site health physicist and safety officer. Conducted groundwater sampling and sampling soil for the presence of radioactive contamination. Provided health & safety monitoring for level B (supplied air) operations during trench soil borings. Collecting monthly air monitoring samples.

Temple University - Associate Health Physicist/Industrial Hygienist, Temple University, Philadelphia, PA: Responsibilities included performing general, biological, chemical, and radiation safety inspections of laboratories. Responding to chemical and radiological emergencies, collecting and segregating hazardous waste in compliance with RCRA regulations. Inspection of hazardous material storage areas and radioactive waste facilities. Collecting and analyzing drinking water samples. Identifying unknown substances. Performing calibrations on various chemical and radiation monitoring equipment and performing respirator fit-testing to ensure proper fit and usage.

NYPA-ROW Inventory, Throughout New York State: Digitally map vegetation along NYPA owned power lines to determine compatible and non-compatible species and relative densities of each.

NYPA – Invasive SPP – Throughout Niagara County, NY: Digitally map invasive species on NYPA owned land. NYPA – Niagara Power Plant Relicensing: Perform groundwater sampling via low flow purge methods throughout Niagara County.

Buffalo Sewer Authority (BSA), Buffalo, NY: Conduct routine monitoring and sampling of various industries throughout the Buffalo region to assure compliance with BSA wastewater discharge limitations.

Areas of Expertise

Radioactive Materials Handling
Environmental Monitoring
Geographic Information Systems

Years of Experience

With URS: 3 Years
With Other Firms: 2 Years

Education

BS/1997/Environmental
Studies/SUNY College of Env
Science and Forestry
MS/2000/Environmental
Studies/Univ of Rochester