



JOHN KUBICZKI, LSP, PG

Branch Manager

EDUCATION

M.S. Studies, Geochemistry, Colorado School of Mines
B.S. Geology-Chemistry, Bridgewater State College, 1977

PROFESSIONAL REGISTRATIONS

- 1994, Licensed Site Professional (LSP), Massachusetts #4280
- 2002, Professional Geologist (PG), New Hampshire, #107
- 1995, Licensed Site Professional Association, Full Member

PROFESSIONAL SUMMARY

Mr. Kubiczki is a Licensed Site Professional (LSP) with over 32 years of experience in the environmental industry, specializing in hydrogeologic and contaminant investigation, remediation, and construction projects. He has extensive knowledge in fate & transport, forensic, and geochemical and natural attenuation assessments, evaluations, and modeling activities. Mr. Kubiczki has managed several Brownfield redevelopment projects, served as technical specialist and quality assurance/quality control (QA/QC) officer on several Resource Conservation and Recovery Act (RCRA) Facility Investigations (RFI); and managed numerous Remedial Investigations/Feasibility Studies (RI/FS). In addition, he has managed several multiyear blanket environmental programs that included hydrogeologic investigations, closure of underground storage tanks (UST), risk assessments, and focused feasibility studies. Mr. Kubiczki has provided expert witness testimony; managed and served as technical specialist on more than 600 hazardous and solid waste management and remediation projects; and provided LSP services on over 350 projects. He has developed and implemented investigation and remediation programs for soil and groundwater contaminated with volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), coal tar, polychlorinated biphenyls (PCB), petroleum hydrocarbons, metals, dioxins, and furans.

PROFESSIONAL EXPERIENCE

Licensed Site Professional, Cargo Ventures - Boston, Massachusetts. Provided LSP services during the investigation and closure of the Massport Marine Terminal Property located on the north side of FID Kennedy Avenue in South Boston, Massachusetts. Activities performed included attending numerous project meetings, reviewing work plans, and preparing numerous reports for submittal to the Massachusetts Department of Environmental Protection (DEP). Based on the results of the investigation activities, a Class B-2 Response Action Outcome (RAO) Statement was prepared for the site. The Site was impacted with metals and/or polycyclic aromatic hydrocarbons (PAHs) as a result of historical filling of the area. A Method 3 Risk Characterization was performed to assess whether Site conditions posed a risk to human health, safety, public welfare, or the environment. The results of the Risk Characterization indicated that a level of “No Significant Risk” exists at the Site for human health, safety, public welfare, and the

environment, with the implementation of an Activity and Use Limitation (AUL). The AUL restricts residential and other specific uses of the Site where a child's presence is likely, and requires implementation of a Soil Management Plan and health and safety plan, along with oversight of a LSP, during any subsurface utility or construction work. Based on the results of the Risk Characterization, the Site is eligible for a Class B-2 RAO.

Project Manager and Technical Reviewer, DEP, Former Watertown Arsenal, Watertown, Massachusetts. Managed and developed a scope of work for performing investigation activities at the former Watertown Arsenal. The purpose of the investigation activities was to collect split soil, groundwater, surface water, sediment, and wipe samples during the closure activities at the site. Activities performed during this project included collecting split environmental samples for chemical analyses; reviewing and commenting on technical reports and Licensed Site Professional (LSP) submittals prepared by other consultants; preparing technical reports and memorandums to the Massachusetts Department of Environmental Protection (DEP) and the City of Watertown; and attending, preparing, and presenting information at public meetings with concerned citizens, regulatory officials, and Local, State, and Federal political leaders.

Technical Reviewer, Site Investigation/Remedial Activities, Former RCA Facility, Burlington, Massachusetts. Provided technical review on Licensed Site Professional (LSP) submittals and developed strategy for redevelopment and sale of the property. The entire property consisted of approximately 160 acres that included two large and several small buildings where industrial activities (primarily manufacturing and testing of military electronic equipment) occurred. The property (soil and groundwater) was contaminated with chlorinated volatile organic compounds (CVOC). LSP services that were performed at the site included a Phase II Comprehensive Site Assessment (Phase II CSA) to determine the areal and vertical extent of contamination; a Phase III Remedial Action Plan (RAP) to address the contaminated media; and Release Abatement Measures (RAM) to remediate contaminated areas and prepare portions of the property for purchase/lease by others.

Project Manager and Licensed Site Professional, Former Lawrence Mills Property, Division of Capital Asset Management, Lowell, Massachusetts. Project Manager and LSP on a re-development project in Lowell, Massachusetts. The project consisted of four separate parcels of land that were impacted with metals, petroleum hydrocarbons, polychlorinated biphenyls (PCB), and polycyclic aromatic hydrocarbons (PAH). Reviewed historical data to identify data gaps for each parcel; developed strategies (investigative and regulatory) with all interested parties to perform concurrent assessment, remediation, and re-development activities; and attended project status meetings with the client and remediation and re-development contractors. Developed and implemented an innovative field screening program to determine the presence of PAH in soil. The field screening program allowed rapid delineation of contaminated soil requiring off-site disposal and allowed construction activities to continue on schedule. Documentation submitted to the Massachusetts Department of Environmental Protection during this project included Release Abatement Measure (RAM) Plans and Status reports, Tier II extensions, Bills of Lading (BOL), Response Action Outcome (RAO) Statements for several adjacent parcels associated with the redevelopment of the property, and field investigation reports. During this project approximately 20,000 tons of contaminated soil was removed from the site.

Project Manager and Licensed Site Professional (LSP), Guilford Rail System, East Deerfield, Massachusetts. Project Manager and LSP for investigation and remedial activities performed at the East Deerfield Rail Yard. Prepared submittals to the Massachusetts Department of Environmental Protection (DEP) including an Immediate Response Action (IRA) Plan and Status Reports, a Phase I Initial Site Investigation

report, Tier Classification, Phase II Comprehensive Site Assessment (Phase II CSA) scope of work, and public notification documentation for a Public Involvement Participation (PIP) site. Diesel fuel was released to the environment from a ruptured fuel tank on a locomotive. IRA activities included the removal and disposal of contaminated ballast material, soil, and diesel fuel within the tracks. Contaminants of concern include volatile organic compounds (VOC), volatile and extractable petroleum hydrocarbons (VPH/EPH), and polycyclic aromatic hydrocarbons. Phase I investigation activities included performing a site reconnaissance, drilling soil borings, installing monitoring wells, collecting soil and groundwater samples for chemical characterization, measuring water level elevations and light non-aqueous phase liquid (LNAPL) thickness, and performing an elevation survey.

Project Manager and Licensed Site Professional, Keegan Werlin LLP (Town of Brookline), Brookline, Massachusetts. Project Manager and Licensed Site Professional (LSP) for Keegan Werlin LLP (representing the Town of Brookline). Investigation, remedial, and redevelopment activities were being performed by other consultants on four properties (Brookline Place) located in Brookline, Massachusetts. The properties were contaminated with petroleum hydrocarbons and manufactured gas plant (MGP) waste materials. Activities provided to the Town of Brookline included reviewing historic groundwater and soil information (on-site and adjacent properties), performing file reviews, reviewing and providing technical comments on scopes of work, reports, and remediation plans prepared by other consultants, performing a forensic assessment on the source of soil and groundwater contamination, providing technical review and guidance to the client on LSP and Massachusetts Contingency Plan (MCP) issues, meeting with Town representatives, and presenting results to the public and the Board of Health.

Project Manager, Massachusetts Bay Transportation Authority (MBTA), Campello Commuter Rail Station, Brockton, Massachusetts. Managed the supplemental Phase II Comprehensive Site Assessment (Phase II CSA) performed at the Campello Commuter Rail Station (Site). Documentation prepared for this project included a supplemental Phase II CSA report; Downgradient Property Status (DPS) submittal; and a revised Phase IV Remedy Implementation Plan (RIP), Response Action Outcome (RAO) Statement, and Activity Use Limitations (AUL) for the Site. The purpose of completing these activities was to address the Massachusetts Department of Environmental Protection's (DEPs) Administrative Consent Order with Penalty and Notice of Noncompliance (ACOP) for the Site. All activities were performed in accordance with the Massachusetts Contingency Plan (MCP). The scope of the supplemental Phase II CSA consisted of drilling soil borings, installing monitoring wells, collecting soil, groundwater, and surface water samples for chemical characterization, measuring groundwater elevations, performing storm drain video and geophysical surveys, surveying soil borings/monitoring wells into the existing Site coordinate system; and evaluating potential risks posed by the Site to human health, safety, public welfare, and the environment. A Class A-4 RAO Statement and AUL were filed with the DEP for the Site.

Licensed Site Professional, Massachusetts Bay Transportation Authority (MBTA), Malden, Massachusetts. Licensed Site Professional (LSP) services included reviewing historic groundwater and soil information (on-site and adjacent properties), performing file reviews, providing an LSP Opinion on a Downgradient Property Status (DPS) submittal prepared for an adjacent property, providing technical review and guidance on polychlorinated biphenyls (PCB) contamination (i.e., historic uses, fate and transport, and chemistry), developing a preliminary Conceptual Site Model (CSM) for the contaminated properties, meeting with the client, and preparing correspondence to Massachusetts Department of Environmental Protection.

Project Manager, Former Coes Knife, City of Worcester Department of Public Works Department, Worcester, Massachusetts. Managed a Phase I Initial Site Investigation (Phase I ISI) at the former Coes Knife property. The City of Worcester proposes to develop the property as a park. Contaminants of concern at the property include volatile organic compounds (VOC), total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAH), metals, and polychlorinated biphenyls (PCBs). Phase I investigation activities included performing a site reconnaissance, drilling soil borings, installing monitoring wells, collecting soil and groundwater samples for chemical characterization, measuring water level elevations, and performing an elevation survey. Documentation prepared for this project included a Phase I ISI report and Tier Classification submittal.

Project Manager and Licensed Site Professional, Waste Management Inc., Amesbury, Woburn, and Worcester Massachusetts. Project Manager and LSP on numerous soil, groundwater, surface water, and sediment investigation and remediation projects at active and abandoned landfills, transfer stations, and maintenance facilities. Constituents of concern at these sites included chlorinated and aromatic volatile organic compounds (VOC), polycyclic aromatic hydrocarbons (PAH), metals, and petroleum hydrocarbons. Activities performed at these sites included managing and conducting Phase I Initial Site Investigations (Phase I), Tier Classification Submittals, Phase II Comprehensive Site Assessments (Phase II), Phase III Identification, Evaluation, and Selection of Comprehensive Remedial Action Alternatives (Phase III), Phase IV Implementation of the Selected Remedial Action Alternative (Phase IV), Phase V Operation, Maintenance, and/or Monitoring (Phase V), emergency response, and providing technical oversight of cleanup and construction contractors.

Provided and performed preliminary response actions and risk reduction measures to address petroleum releases to soil and pavement. These preliminary response actions included Limited Removal Actions (LRA), Immediate Response Actions (IRAs), and Release Abatement Measures (RAM). Performing these preliminary responses actions enabled the client to achieve Response Action Outcome (RAO) Statements for these releases. Developed and filed Release Notification Forms (RNF) and Retractions, IRA and RAM Plans and Status reports, Phase I, II, and III Completion Statements, RAO Statements, and LSP Evaluation Opinions with the Massachusetts Department of Environmental Protection (DEP).

Project Manager, Site Investigation and Remediation Activities-Confidential Aerospace Manufacturing Company, Lynn, MA. Project Manager for a multi-year blanket environmental program at a large industrial complex in Massachusetts. Activities performed include hydrogeologic investigations at 15 hazardous waste locations, closure of underground storage tanks (UST), risk assessment, and focused Feasibility Studies. Managed and supervised remedial actions conducted as interim measures including lining of storm drains, installation of oil recovery wells, pumps, and oil/water separators, installation of groundwater pump and treatment systems. Directed full-scale engineering design of long-term remedial actions including light non-aqueous phase liquids (LNAPL) and dense non-aqueous phase liquids (DNAPL) recovery, recovery and treatment of groundwater contaminated with chlorinated solvents and petroleum constituents using a mobile system comprised of an oil/water separator, air stripper, and catalytic converter, and recovery of LNAPL contaminated with PCBs. Activities performed at these sites included managing and conducting Phase I Initial Site Investigations (Phase I), Tier Classification Submittals, Phase II Comprehensive Site Assessments (Phase II CSA), Phase III Identification, Evaluation, and Selection of Comprehensive Remedial Action Alternatives (Phase III), Phase IV Implementation of the Selected Remedial Action Alternative (Phase IV), Phase V Operation, Maintenance, and/or Monitoring (Phase V),

emergency response, and providing technical oversight of cleanup and construction contractors.

Project Manager, TCA Remediation, General Electric, Wilmington, Massachusetts. Project Manager and developed the scope of work for performing the Phase I and Phase II Comprehensive Site Assessment (Phase II CSA) in the vicinity of a leaking above-ground storage tank containing 1, 1, 1-trichloroethane (TCA). The investigations were initiated following excavation by the client, which revealed extensive TCA contamination in soils in the vadose zone. Initial field activities at the site consisted of a soil-gas survey using a portable gas chromatograph to delineate areas of gross contamination and aid in the selection of soil boring/monitoring well locations. Because TCA has a higher specific gravity than water and will tend to sink, monitoring wells were installed at different depths in the aquifer. TCA contamination was detected in soils in the vadose zone, dissolved in groundwater, and as separate phase TCA which had pooled above a clay confining layer at a depth of approximately 20 feet below grade. Additional monitoring wells were installed as part of a Phase II CSA to further delineate the extent of contamination. A risk assessment was then conducted which concluded that the separate phase TCA posed a significant risk to the environment, and therefore removal was required as a remedial action. A Phase III Remedial Action Plan (RAP) was prepared to identify the most feasible alternative for removal of the product. The results of this study indicated that removal via pumping with low flow wells was most cost-effective, because of the depth and localized extent of the product. The recommended treatment system included a separator tank, air stripper, and vapor phase carbon. Prior to designing the remedial system, an aquifer test was performed and the results modeled to select the optimal number and spacing of the recovery wells. Also reviewed the detailed design with a bid and specification package for the treatment system, and obtained necessary discharge permits for the treated water and air. Operation and maintenance (O&M) manuals were prepared for the owner so that they could operate the system as a cost saving measure.

Phase I through IV Investigations and Utility Release Abatement Measure (URAM), United States Postal Service Facility, Chelsea, Massachusetts, Project Manager and Licensed Site Professional (LSP) Managed and served as LSP on Phase I through Phase III investigations at a Postal Service facility located in Chelsea, Massachusetts. Site investigation activities included characterizing and coordinating the off-site disposal of contaminated soils from an underground storage tank (UST) removal; reviewing state, federal, local, and client records and files; installing soil borings/monitoring wells; collecting soil, groundwater, surface water, sediment and light and dense non-aqueous phase liquid samples for chemical analyses; determining and evaluating off-site sources of contamination; meeting and presenting site information to on-site workers and the Massachusetts Department of Environmental Protection. The predominant contaminants of concern detected at the site are related to co-mingled fuel oil and coal tar contamination in the soil and groundwater. The results of the Phase II Comprehensive Site Assessment (Phase II CSA) indicated that the entire site was impacted by polycyclic aromatic hydrocarbons (PAHs) and aromatic volatile organic compounds (VOCs). The predominant source of contamination was in the fill material. No significant risks were identified to indoor site workers, safety, public welfare, or the environment. However, a risk does exist to human health for future construction workers who may conduct subsurface excavations at the site (e.g., utility work).

Provided technical review and comments on the Phase III Remedial Action Plan (RAP) prepared for the site. Based on the results of the Phase III RAP, a remedial action alternative consisting of an Activity Use Limitation (AUL), storm drain and catch basin rehabilitation, groundwater monitoring, and maintenance of the ground surface covering

(i.e., pavement and concrete) was selected. This alternative, after implementation, would constitute a Permanent Solution, and a Class A-3 Response Action Outcome (RAO) would be achieved. Submittals prepared for this project included an LSP Evaluation Opinion, Phase I ISI Report, Tier Classification, a Phase II CSA, Phase III RAP, a Phase IV Remedy Implementation Plan, and public involvement activities (site was a PIP site).

As part of this project, prepared and developed a forensic assessment to determine the nature and source of soil and groundwater contamination. As part of this assessment, oil samples were collected from the Postal Service UST, coal tar samples from the adjacent former Manufactured Gas Plant (MGP) property, and on-site soil and groundwater samples. The results of this assessment identified that a portion of the soil and groundwater contamination detected at the Postal Service facility was attributed to the former MGP. Worked with Postal Service and Massachusetts Department of Environmental Protection personnel to redefine the disposal site boundary and limit remedial actions to only the contamination attributed to releases from the Postal Service facility.

Phase I Initial Site Investigation, Release Abatement Measure, and Response Action Outcome (RAO) Statement - US Gypsum, Charlestown, Massachusetts, Project Manager and Licensed Site Professional (LSP) Managed and provided LSP services on a soil and groundwater investigation and remediation project for US Gypsum (USG) in Charlestown, Massachusetts. Release from two underground storage tanks (UST; gasoline and No.2 fuel oil) impacted the soil and groundwater with petroleum constituents and light non-aqueous phase liquid (LNAPL). Since the facility was an active facility, it was extremely important to minimize impacts to the facility operations. Actions taken to minimize disruptions included holding a pre-investigation kick-off meeting with facility and trucking personnel to discuss the scope of work and the proposed schedule; developing a thorough understanding of the delivery and shipping schedules during the anticipated field activities; and coordinating with the facility personnel on a daily basis. Activities performed included the installation of soil borings/monitoring wells, the collection of soil and groundwater samples for chemical analyses, preparing a risk assessment, and the installation of an oil recovery system (recovery wells, pumps, oil/water separator, and holding tank).

Submittals prepared for this project included an LSP Evaluation Opinion, Phase I ISI Report, Tier Classification, RAM Plan and Status Reports, a Class A-3 RAO Statement, an Activity Use Limitation (AUL), and public involvement activities consisting of legal notices, letters to the Board of Health, mayor, tax assessor office, and the DEP.

Expert Witness Testimony and Litigation Support, Teleflex Incorporated Manufacturing Facilities in Manchester and Vernon, Connecticut - Historical releases from several manufacturing facilities contaminated groundwater in an aquifer designated as GA/GAA (i.e., drinking water supply). Contaminants included chlorinated solvents, aromatic hydrocarbons, and total petroleum hydrocarbons.

Designed the hydrogeologic investigations at these sites to determine the source and nature and extent of soil and groundwater contamination. Evaluated data regarding site hydrogeology and contaminant fate and transport processes to assess the relative contributions of the contaminant sources. Evaluated the feasibility and costs of potential remedial alternatives.

Prepared expert reports and provided depositions and expert witness testimony for litigation regarding the timing and ongoing nature of the site contamination. Provided

technical support for client involved in litigation related to economic damages associated with groundwater contamination. Performed a thorough review of technical reports and correspondence, reviewed and evaluated the chemical processes that occurred at each facility, and performed a detailed data evaluation regarding the presence, nature, and extent of soil and groundwater contamination and sources that contributed to the releases. Additional litigation support involved the preparing technical questions asked during the depositions, attending opposing counsel depositions (expert witness), and reviewing technical documents/reports prepared by opposing counsel's expert witness.

Litigation Support, Continental Casualty Company (Raytheon sites) in Bedford, Massachusetts - Prepared expert reports and provided depositions for litigation regarding the timing and ongoing nature of the site contamination. Provided technical support for client involved in litigation related to economic damages associated with groundwater contamination. Performed a thorough review of technical reports and correspondence, reviewed and evaluated the chemical processes that occurred at each site, and performed a detailed data evaluation regarding the presence, nature, and extent of soil and groundwater contamination and sources that contributed to the releases. Additional litigation support involved the reviewing technical reports and documents prepared by opposing counsel and preparing technical questions asked during the depositions.

Expert Witness Testimony and Litigation Support, Wakinco Ash and Municipal Landfills in Wareham, Massachusetts - Provided technical/litigation support and expert testimony for SEAMASS Partnership. Performed an extensive review of historical hydrogeological and analytical data (groundwater, surface water, and sediment) to evaluate the source of contamination in the area of two landfills. Contaminant trend analyses were performed using Stiff and Piper Diagrams and geochemical modeling (AquaChem). Prepared response letters and technical memorandums regarding the presence and source of groundwater and surface water contamination.

TRAINING AND CERTIFICATIONS

- OSHA 40-Hour Hazardous Waste Site Training
- OSHA 8-Hour Annual Refresher
- On-Going Licensed Site Professional Continuing Education Courses
- On-Going Professional Geologist Continuing Education Courses