



Melissa D. Valentine

Project Manager

Bachelor Of Science, Environmental
Science, 2002
University of Kansas, Lawrence, Kansas

OSHA 40-Hour Hazardous Waste
Operations and Emergency Response
(HAZWOPER)

AHERA Accredited Asbestos Inspector

OSHA 8-Hour HAZWOPER Refresher
(annual)

EPA AHERA Building Inspector

Certified Asbestos Inspector:
State of Missouri
State of Kansas
State of Iowa
State of Minnesota
State of North Dakota

Ms. Valentine joined Bureau Veritas North America, Inc. in March of 2006. Ms. Valentine has successfully provided and managed environmental services for many types of clients and projects for 6 years.

Ms. Valentine currently conducts Phase I Environmental Assessments (ESAs), Phase II ESAs, National Environmental Policy Act (NEPA) screenings, Environmental Assessments (EAs), Environmental Audits and Asbestos Building Inspections.

Phase I ESA activities included site inspection and reconnaissance as well as performing current and historical research.

Phase II ESA activities included retaining and supervising subcontractors for drilling and sampling of soil and groundwater, preparing health and safety plans, data analysis, and report generation.

Ms. Valentine has also conducted numerous National Environmental Policy Act (NEPA) Screenings for proposed and existing wireless telecommunications facilities to assess compliance with federal regulations. Screenings included identifying if the facilities may have a significant environmental effect for which further evaluation should be conducted. These NEPA Screenings consist of working with the United States Fish & Wildlife Service, the United States Department of Agriculture Forest Service, the National Park Service, state agencies, local governments, and Native American Indian Tribes. Ms. Valentine has extensive knowledge of the newly adopted National Programmatic Agreement executed by the Federal Communications Commission regarding Section 106 consultations.



Melissa D. Valentine

Project Experience

Phase I Environmental Site Assessment

Residential, Commercial, Industrial Properties and Telecommunications Facilities

Ms. Valentine has been involved in conducting and managing hundreds of Phase I environmental assessments throughout the United States. Ms. Valentine has proven experience in proposal development as well as fully integrated project management of multiple site projects.

Phase II Environmental Site Assessments

Industrial, Residential, and Commercial Properties

Ms. Valentine has performed soil sampling, groundwater sampling, and monitoring well measurements to identify potential subsurface contamination plumes at various locations throughout the Midwest. Ms. Valentine has conducted several Phase IIs for industrial and commercial facilities during the due diligence portion of proposed acquisition of facilities, using Geoprobe® direct push sampling technology. She has prepared reports detailing investigation findings and remedial approaches for environmental concerns identified during these assessments.

National Environmental Policy Act Assessments

Proposed Wireless Telecommunications Facilities

Ms. Valentine has completed over 75 National Environmental Policy Act (NEPA) assessments of proposed wireless telecommunications facilities. Assessments were completed to determine compliance on behalf of the wireless provider with Federal Communications Commission (FCC) regulations for implementing NEPA. Ms. Valentine contacted appropriate state and federal agencies and Native American groups to assess potential impacts to officially designated wilderness areas and wildlife preserves, listed threatened or endangered species or designated critical habitats, and/or historically or culturally significant resources, including those listed in the National Register of Historic Places. Assessments of impacts to historic and cultural resources were performed through consultation with applicable State Historic Preservation Officers, local historic preservation societies or groups, and Native American groups in accordance with Section 106 of the National Historic Preservation Act and the nationwide programmatic agreement issued by the FCC concerning review of effects on historic properties resulting from construction of proposed wireless telecommunications facilities.

Environmental Assessments

Department of Housing and Urban Development (HUD)

Ms. Valentine participated in the technical preparation of an EA funded by HUD. The EA was required for the development of a multi-family apartment complex in Williston, North Dakota. The EA was granted a FONSI at the conclusion of the project.

Groundwater and Soil Monitoring

Confidential Clients

Ms. Valentine has conducted quarterly groundwater and soil monitoring at Superfund sites in Kansas, Missouri and California. Activities include groundwater collection, data analysis and report development.



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Asbestos Surveys

Residential and Commercial Real Estate Properties

Ms. Valentine has conducted numerous Asbestos Hazard Emergency Response Act (AHERA) asbestos surveys for residential real estate and commercial properties slated for demolition and redevelopment. The AHERA inspections include material identification and sampling, material assessment and quantification, and report preparation as well as pre-renovation or pre-demolition inspections following abatement.

Environmental Audits

Commercial Properties

Ms. Valentine has conducted Annual Environmental Assessments (AEAs) for commercial properties in the Kansas City Metro area.

Employment History

Bureau Veritas North America, Inc. – Overland Park, Kansas
Project Manager
March 2006 to Present

Haley & Aldrich, Inc. – Lenexa, Kansas
Environmental Scientist
2002 to March 2006

Professional Affiliations

Environmental and Water Resources Institute of Kansas City



John A. Rohde, RG



Manager/Senior Hydrogeologist, Environmental Services

M.S., Geology, 1990
Washington State University, Pullman,
Washington

B.A., Geology, 1983
University of Colorado,
Boulder, Colorado

Registered Geologist, State of California,
No. 5939

Professional Geologist, State of
Wyoming, No. 1468

Professional Geologist, State of
Nebraska, G-0296

Petroleum Storage Tank Professional,
State of Colorado,
No. 5062

OSHA 40-hour Hazardous Waste
Operations and Emergency Response
Training and 8-hour refresher, annually

With more than 22 years of hydrogeological and environmental experience, John Rohde has managed projects with budgets up to \$1,000,000. He has planned and implemented site investigations in complex hydrogeologic regimes, and also conducts feasibility evaluations, modeling, remedial system design and implementation, project team management, scheduling, cost tracking, and reporting.

Mr. Rohde has conducted regulatory compliance assessments at numerous facilities including quarries, manufacturing facilities, and chemical distribution facilities. He has conducted this work for insurance companies as well as the operators.

Mr. Rohde has managed and conducted over 500 Phase I Environmental Site Assessments and Phase II Investigations during due diligence and has expertise in a broad range of remedial techniques and technologies, including bioremediation, bioventing, soil vapor extraction, chemical fixation, thermal desorption, incineration, landfill disposal, pump-and-treat with air stripping and resin treatment, bioremediation, biosparging, air sparging, dual phase recovery, and free product recovery.

As a client and third-party liaison, Mr. Rohde frequently manages negotiations with regulatory agencies. He has provided remediation and permitting services in California, Colorado, Illinois, Kansas, Kentucky, Nebraska, New Mexico, North Carolina, Tennessee, and Wisconsin.

Mr. Rohde is also experienced with guidelines of the Resource Conservation and Recovery Act, Oil and Gas Commission, Comprehensive Environmental Response, Compensation and Liability Act, state voluntary clean-up programs, the Clean Air Act, the Safe Drinking Water Act, and the Clean Water Act.

Mr. Rohde is the program director of a Non-Project Specific contract and for multiple environmental projects for the Colorado Department of Transportation. He is the regional manager for due diligence work for a major national telecommunications firm.



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Project Experience

Regulatory Compliance Assessments and Risk Evaluations

Insurance Company

Mr. Rohde has assessed manufacturing facilities and chemical distribution facilities with respect to regulatory compliance, hazardous materials and hazardous waste management and handling, and general corporate procedures regarding environmental compliance issues. He has conducted file review-level assessments as well as full inspections to evaluate the potential risk of environmental-related incidences throughout the west.

Regulatory Compliance Assessment

Mining and Quarry industry

Mr. Rohde conducted a regulatory compliance assessment at two marble quarries in Colorado and Georgia. The compliance assessments included a review of air and discharge permits, evaluation of applicable regulations, site inspection of operations and permit compliance, and reporting. Recommendations were made regarding modifications to the site operations and identified compliance issues. Support for permit modifications was provided.

Corrective Action and Remedial Design Plans

Commercial Real Estate Development

Mr. Rohde has assessed commercial properties, developed corrective action and remedial design plans, and managed remedial construction and operations and maintenance of three petroleum releases from USTs. These were conducted to meet regulatory and property transaction schedules. For each project, work and invoices complied with the Colorado Petroleum Storage Tank Fund Reasonable Cost Guidelines and over 99% of the costs were reimbursed.

Investigation and Remediation Projects

Petrochemical Industry

Mr. Rohde managed investigation and remediation projects at industrial sites and sites proposed for redevelopment. These have involved contaminant delineation, corrective action and remedial design development and implementation, operations and maintenance, and negotiation with enforcement agencies for alternative remediation goals. Mr. Rohde conducted extensive investigations, including historical land use research, site investigations, aquifer testing, groundwater and transport modeling, risk assessment support, feasibility studies, remedial action plan preparation, remediation system design, permitting, remediation system implementation, and operation and maintenance. He negotiated investigation scopes of work, remediation plans, and remediation objectives with state and federal agencies.

Groundwater Remediation

Petrochemical Facility

Mr. Rohde manages the operation and maintenance of groundwater remediation systems that include pump and treat with catalytic oxidation, air sparging, and enhanced bioremediation. The contaminants treated include halogenated solvents, non-halogenated solvents, and petroleum hydrocarbons.

Agency Negotiation

Real Estate Industry



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Mr. Rohde has successfully negotiated with state agencies to obtain no further action and closure for a site with identified contamination. He presented data and participated in detailed discussions regarding potential environmental and health risks.

Remedial Design and Implementation

Computer Manufacturing Industry

Mr. Rohde managed RFI/CMS, remedial design, and remedial implementation for a computer peripherals manufacturer. He developed investigation and remediation work plans, and managed investigation activities, including nested monitoring wells, long term pumping tests, biofeasibility evaluations, as well as standard drilling and sampling. Mr. Rohde developed a calibrated and verified groundwater flow and transport model to evaluate remedial system designs. The model was recalibrated during system operation to evaluate system performance and recommendations were made to modify system-operating parameters.

Soil and Groundwater Remediation

Resin Manufacturing Industry

Mr. Rohde managed a feasibility evaluation, pilot testing, final design, and implementation of a soil and groundwater remediation system. The affected groundwater was in a shallow confined aquifer. An air sparging, dual phase extraction system was designed and built for remediation of the groundwater.

Groundwater Flow Models

Mining Industry

Mr. Rohde developed a groundwater flow model to simulate potential impacts of mining dewatering on surface water quality and water rights. He used model simulations to evaluate impacts to groundwater and surface water flow in a basin and estimated discharges and water quality to show limited impacts to downstream users.

Environmental Consulting

State Department of Transportation (DOT)

Mr. Rohde manages the base contract as well as multiple projects for the Colorado Department of Transportation. Projects have included underground storage tank (UST) removal, Phase I environmental site assessments, Phase II site investigations, lead paint sampling, and corrective action plan preparation and implementation. Mr. Rohde also manages site investigations to evaluate potential environmental hazards at DOT maintenance facilities and develops remediation plans for sites that exceed regulatory guidelines or regulatory limits.

Groundwater Flow Models

Industrial Landfill

Mr. Rohde developed groundwater flow and contaminant transport models for a complex hydrogeological site. He conducted intensive calibration and verification to ensure accuracy. The model was used for remediation system design, and to prepare a risk assessment for developing site-specific risk-based cleanup objectives.

Groundwater Remediation

Pharmaceutical Industry

Mr. Rohde managed multiple tasks for investigating and remediating groundwater at an industrial landfill. He conducted multiple aquifer tests including slug test, pumping tests, and drill stem tests. He also used site data to design, calibrate and verify models that simulated fracture flow, transport between multiple



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aquifers, surface water interactions, and desaturation of the aquifer. Mr. Rohde conducted multiple simulations for support of risk assessment, remediation system design, remediation system evaluation, and closure time frames.

Phase I and II Environmental Site Assessments (ESAs)

Real Estate Industry

Mr. Rohde has performed or overseen over three hundred Phase I and Phase II preacquisition/due diligence environmental site assessments. He has been the primary liaison for environmental issues prior to transactions, often interacting with corporate clients, lawyers, loan agents, and real estate brokers on behalf of a buyer or seller. For one project, Mr. Rohde managed 28 concurrent Phase I ESAs, with final submittals due within 45 days of the project start. By meeting the schedule and budget, the client and the related financial institution won positive recognition.

Due Diligence and Regulatory Compliance Assessments

Mining Industry

Mr. Rohde conducted due diligence/Phase I Environmental Site Assessment activities for marble quarries in Colorado and Georgia. He evaluated potential environmental liabilities with respect to fueling, maintenance, and mining operations. He also collected soil samples to evaluate potential releases associated with previous operations. Mr. Rohde assessed operations for compliance with mining, RCRA, Clean Air Act, and Clean Water Act regulations.

Groundwater Investigation

Coal Mining

Mr. Rohde evaluated data from investigations regarding a release of anti-freeze (glycol) to soils and groundwater at a Wyoming coal mine. He assisted with evaluating the regulatory status, investigation requirements and remediation requirements for the release. Mr. Rohde assisted the client with the development of the sampling plans and investigation plans.

Groundwater Investigation

Coal Mining

Mr. Rohde planned and conducted a soil and groundwater investigation of a release of diesel fuel at a coal mine maintenance facility in Colorado. The investigation defined the extent of soil and groundwater contamination at the facility. A risk assessment concluded that clean-up objectives would not be exceeded at the property boundaries. Therefore, the regulatory agency approved a No Further Action determination.

Groundwater Investigation

Oil Pipeline

Mr. Rohde evaluated soil and groundwater contamination from a release of oil from a transmission pipeline. The assessment included soil and groundwater sampling as well as an evaluation of groundwater/contaminant flow. Waste was profiled according to the EPA's exploration and production waste exclusion. Investigation is ongoing.

Hydrogeological Investigations

Petrochemical Industry

Mr. Rohde managed hydrogeological investigations at a fractured bedrock flow site with DNAPL contamination. He prepared scopes of work to evaluate vertical and horizontal flow and transport, and evaluated groundwater flow interactions between shallow alluvial, deep alluvial, and fractured bedrock



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aquifers. He also developed and implemented plans for remediating groundwater affected with metals and volatile organic compounds (VOCs).

Groundwater Contamination Investigations

Petrochemical Industry

Mr. Rohde managed and led an investigation of a petrochemical distribution facility with 1,1,1 trichloroethane-contaminated groundwater. Dense non-aqueous phase liquids (DNAPLs) had impacted groundwater in shallow alluvial and deep fractured bedrock aquifers. Mr. Rohde conducted an evaluation of an operating interim remedial measure (groundwater control and treatment), and prepared a work plan and managed field investigations for hydrogeological and DNAPL transport evaluations. The investigations were focused toward evaluating stratigraphy, aquifer parameters, and contaminant distribution in three dimensions. Potential migration pathways were identified.

Phase I and II Environmental Site Assessments (ESAs)

Real Estate Industry

Mr. Rohde has performed or overseen over two hundred Phase I and Phase II preacquisition environmental site assessments. He has been the primary liaison for environmental issues prior to transactions, often interacting with lawyers, loan agents, and real estate brokers on behalf of a buyer or seller. For one project, Mr. Rohde managed 55 concurrent Phase I ESAs, with final submittals due within 30 days of the project start. By meeting the schedule and budget, the client and the related financial institution won positive recognition.

Groundwater and Soil Investigation

Resin Manufacturing Industry

Mr. Rohde managed groundwater and soil investigation of an impoundment and disposal area at a resin manufacturing facility. He conducted geophysical surveys to determine the extent of the disposal areas. He also managed groundwater-monitoring activities to evaluate the extent of chlorinated solvents in the fractured bedrock. Mr. Rohde conducted groundwater modeling to evaluate remediation system design. The model was developed using existing operation data from local water supply wells in the plume.

Employment History

Bureau Veritas – Clayton Group Services, Inc. – Lakewood, Colorado
Manager/Senior Hydrogeologist
2001 to Present

Clayton Group Services, Inc. – Lakewood, Colorado
Senior Hydrogeologist
1999 to 2001

Global Environmental Services, Inc. – Colorado Springs, Colorado
Technical Manager of Consulting
1997 to 1999

Levine-Fricke-Recon, Inc. – Denver, Colorado
Senior Hydrogeologist
1995 to 1997



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Maude Environmental/Growth Environmental – Denver, Colorado
Senior Project Hydrogeologist
1992 to 1995

IT Corporation – Denver, Colorado
Project Scientist/Hydrogeology Group Manager
1986 to 1992

Professional Affiliations

Colorado Hazardous Waste Management Society

Publications and Presentations

Hecox, G., J. A. Rohde, and Z.H. Tuta. 1989. Methods and Field Audit Results of a Remedial Design Using a Verified Groundwater Model. Presented at the Fourth International Conference, International Groundwater Modeling Center, Indianapolis, Indiana.

Hecox, G., J. A. Rohde, and Z.H. Tuta, 1989. Remediation of Groundwater - It Can Be Done. Presented at the 3rd Annual Conference and Exhibition, Colorado Hazardous Waste Management Society, Denver, Colorado.