



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 02

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1020610

Procurement Type: Central Purchase Order

Vendor ID: VS000003855

Legal Name: CARDNO INC

Alias/DBA:

Total Bid: \$1.00

Response Date: 04/04/2022

Response Time: 12:06

Responded By User ID: Cardnoinc

First Name: Sally

Last Name: Modad

Email: sally.modad@cardno.cor

Phone: 304-809-0708

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2200000012

Published Date: 3/21/22

Close Date: 4/6/22

Close Time: 13:30

Status: Closed

Solicitation Description: EOI- Phase I Environmental Site Assessment-Emivest Hangar

Total of Header Attachments: 2

Total of All Attachments: 2



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1020610
Solicitation Description: EOI- Phase I Environmental Site Assessment-Emivest Hangar
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-04-06 13:30	SR 0603 ESR04042200000006084	1

VENDOR
 VS0000003855
 CARDNO INC

Solicitation Number: CEOI 0603 ADJ2200000012
Total Bid: 1
Response Date: 2022-04-04
Response Time: 12:06:18
Comments:

FOR INFORMATION CONTACT THE BUYER
 David H Pauline
 304-558-0067
 david.h.pauline@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI- Phase I Environmental Site Assessment- Emivest Hangar				1.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

EOI- Phase I Environmental Site Assessment-Emivest Hangar per the attached documentation.



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest

Proc Folder: 1020610			Reason for Modification:
Doc Description: EOI- Phase I Environmental Site Assessment-Emivest Hangar			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-03-21	2022-04-06 13:30	CEOI 0603 ADJ2200000012	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Cardno, Inc.

Address :

Street : 534 Industrial Park Road

City : Bluefield

State : VA **Country :** USA **Zip :** 24605

Principal Contact : John Keczan

Vendor Contact Phone: (304) 308-3851 **Extension:**

FOR INFORMATION CONTACT THE BUYER

David H Pauline
 304-558-0067
 david.h.pauline@wv.gov

Vendor
 Signature X *John Keczan*

FEIN# 45-2663666

DATE April 1, 2022

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The West Virginia Purchasing Division, for the agency, the West Virginia Army National Guard, Construction and Facilities Management Office, is soliciting Expressions of Interest from qualified firms to provide professional environmental engineering consulting services to provide a Phase I Environmental Site Assessment for the Emivest Hangar facility, located in Martinsburg, WV, per the attached documentation.

INVOICE TO	SHIP TO
ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US	ADJUTANT GENERALS OFFICE 1705 COONSKIN DR CHARLESTON WV 25311 US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI- Phase I Environmental Site Assessment-Emivest Hangar		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description:
 EOI- Phase I Environmental Site Assessment-Emivest Hangar per the attached documentation.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page
ADJ220000012	Final	EOI- Phase I Environmental Site Assessment-Emivest Hangar	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Statement of Qualifications

West Virginia Army National Guard,
Phase I ESA Project

Prepared for
Adjunct Generals Office
1707 Coonskin Drive
Charleston, WV 25311

Prepared by
Cardno, Inc.
534 Industrial Park Rd.
Bluefield, VA, 24605-9364
+1 304 809 0629
www.cardno.com

Cardno Qualifications and Technical Expertise

Founded in 1945, Cardno is a professional services company offering integrated environmental, engineering, infrastructure, scientific consulting, and field services to provide the expertise and operational efficiencies that support public and private sector clients. With more than 90 offices in the US and 30 more worldwide, Cardno provides clients with access to more than 4,000 professionals with the diverse knowledge that allows us to provide innovative and sustainable solutions that deliver lasting value. Our proposed project team has local staff, resources, and experience to support the Phase I environmental Site Assessment project in Martinsburg, West Virginia.

Cardno has earned a reputation for helping clients find innovative solutions to project challenges to ensure timely and effective project deliverables.

Management and Staffing Capabilities

Cardno has been providing project management, engineering, and environmental services for over 75 years. This means our personnel selected for this project are professionals who know the region, regulators, and WVDEP regulations and local requirements. The Cardno team has extensive knowledge of the project requirements and standards and regulations.

Cardno emphasizes a solid communication plan as the primary element of project management. As project manager, Mr. John Keczan will be the primary point of contact for the West Virginia Army National Guard (WVANG) and will maintain responsibility for project coordination, scheduling, reporting, and addressing questions and concerns related to the project.

Mr. Keczan will be supported by Mr. Joshua Sexton, Mr. Joe Morici, Mr. George Robertson, and Ms. Miranda Basconi. Mr. Robertson will serve as the local project manager and assist Mr. Keczan with project coordination and staff scheduling.

Experience on Similar Projects

Type of Project/Service: Cardno is currently supporting the West Virginia Department of Environmental Protection (WVDEP) with contract # DEP21*009 for environmental assessments through-out West Virginia. These projects are mostly comprised of asbestos containing materials and lead based paint inspections and Phase I ESAs.

John Keczan

Current Position

Project Engineer

Discipline Areas

> Architectural
Engineering

Years' Experience

39

Joined Cardno

1990

Education

> BS, Architectural
Engineering
Technology, Bluefield
State College,
Bluefield, West
Virginia

Certifications/ Trainings

> OSHA 40-hour
Health & Safety
Training
> OSHA 8-hour Annual
HAZWOPER
Refresher
> OSHA 8-hour
Supervisory Health &
Safety Training
> WV Commercial
Driver's License
> WVDEP UST Class
B Certification
> LPS Initial Training

Summary of Experience

Mr. Keczan manages and oversees remediation and construction projects and conducts field activities for environmental remediation projects with an emphasis on incorporating corporate and client safety requirements in all activities. He has performed all activities related to the removal of underground storage tanks at various sites in Virginia and West Virginia, and all phases of commercial and residential building and construction projects, including project supervision, design, design modification, carpentry, electrical wiring, plumbing, woodworking, and equipment operation. He has also provided construction and site management at wastewater treatment facilities, stormwater system upgrades, locomotive fueling platform upgrades, fueling delivery systems, and installation of remediation recovery trenches.

Mr. Keczan coordinates with contractors and subcontractors on construction and environmental projects, serves as a liaison between design engineers and owners to address field changes that affect construction process and costs, and ensures that specifications and plans are followed and schedules are maintained, while also reviewing and managing change order requests. He regularly prepares proposals and bid packages.

Significant Projects

Project Scientist – Virginia Department of Transportation (VDOT) Lynchburg District Facility Diesel Spill Clean-up – Lynchburg, Virginia

Mr. Keczan served as the project scientist for a petroleum pollution complaint at a VDOT district lot. Project tasks consisted of emergency response/clean-up activities for diesel fuel release, recovering free product through use of absorbents, delineating the release extent, monitoring stream conditions, and preparing reimbursement application packages.

Project Engineer – VDOT Explorer Park VRP – Roanoke, Virginia

Mr. Keczan served as the project engineer for a cost-effective remedial action with in-house personnel for VDOT at a soil waste dump slope right-of-way site. Accomplishments included a quantitative risk assessment, remedial plan design with permit approvals, corrective actions such as solid waste removal and a cover placement, post-implementation monitoring, and preparation of Voluntary Remediation Program (VRP) Certification of Satisfactory Completion of Remediation including the Declaration of Restrictive Covenants.

Project Engineer – VDOT Route 630 (Courthouse Road) Interchange – Stafford, Virginia

Mr. Keczan served as the project engineer for emergency response to a gasoline spill at an interstate accident conducted for VDOT by Cardno. Tasks included initial containment, coordination with emergency officials (i.e., Virginia Department of Emergency Management, Virginia State Police, local fire department), in-situ soil treatment with microbial remediation, and a release assessment to determine any impacts to the environment prior to case closure.

Joshua Sexton

Current Position

Senior Geologist

Profession

Geologist

Years' Experience

20 years

Joined Cardno

2019

Education

BS – Geology
Radford University

MS – Geology
University of Kentucky

Professional Registrations

Licensed WV Monitoring
Well Driller

OSHA 40-hour Safety

MSHA 40-hour Safety

Part 107 UAS Pilot

VA RLD

e-Rail

Roadway Worker

Summary of Experience

Mr. Sexton serves as a senior geologist for Cardno. He has 20 years of experience managing a wide range of environmental, exploration, and geotechnical projects.

Mr. Sexton's diverse knowledge of geo-environmental consulting includes site assessment, compliance reporting, regulatory negotiation, feasibility studies, stormwater compliance, soil / groundwater remediation and aerial data acquisition.

Specifically, he has:

- > Performed soil and groundwater assessments and monitoring, and CAP placement for railroad sites.
- > Implemented and operated groundwater remediation systems.
- > Planned environmental assessment and remedial efforts providing cost effective solutions to environmental problems and achieve regulatory closure.
- > Coordinated staff, procured equipment and materials, directed subcontractors and managed budgets to achieve successful environmental site closures and ultimate client satisfaction.
- > Composed and reviewed technical documents including work plans, site assessments, remedial action work plans, risk assessments, and final reports for regulatory compliance.
- > Utilized unmanned aerial system (UAS) to deliver aerial orthomosaics, digital terrain models, watershed analysis, volumetric calculations, aerial inspection, facade analysis and 3-D models.

Significant Projects

- > 50+ Environmental and geotechnical investigations for retail development and Phase II site assessments for a commercial developer.
- > 20+ Region III EPA directed soil and groundwater investigation for hydrocarbons, chlorinated solvents, PCBs, and heavy metals.
- > 10+ Geotechnical pressure grouting and void filling projects for mining clients.
- > Real-time XRF screening, assessment, and rapid remediation of three large former scrap yards for a rail client.
- > Geotechnical investigations for subsidence, roadways, dams, bridges, structures, and impoundments for commercial and government clients.
- > Stormwater assessment, improvement, and compliance for rail and utility clients.
- > Residential, commercial, and municipal groundwater design, development and implementation.
- > Aerial data acquisition for government and commercial clients.
- > Numerous soil and groundwater remediation projects including source removal, soil vapour extraction, dual phase extraction, aggressive free product recovery, pump and treat, biosparging, thermal oxidation, and other technologies.
- > Directed over 500+ piezometers, monitor and recovery well installations.
- > Directed over 2000+ soil and rock borings.

Project Engineer – Bland Mission Remediation System – Bland, Virginia

Mr. Keczan served as the project engineer for operation and maintenance for a vapor mitigation system beside a VDOT facility. He used an electrical license to troubleshoot and repair electrical components of the detection system such as sensors.

Project Engineer – VDOT District Compliance Audits – Bristol, Virginia

Mr. Keczan served as project engineer for environmental compliance audits for VDOT facilities in the Bristol District. Tasks included inspecting for compliance with regulations and VDOT polices including spill prevention control, and countermeasure (SPCC), municipal separate storm sewer system permits (MS4), Resource Conservation and Recovery Act (RCRA), salt handling/stormwater management, and underground storage tank (UST) compliance. Cardno prepared reports with recommendations on pollution prevention compliance.

Construction Manager – Railroad Stormwater Upgrades – Bluefield, West Virginia

Mr. Keczan managed the construction process with zero change orders. The project involved oversight of stormwater drainage improvement measures as designed, and involved coordination between the prime contractor and client regarding the construction of a stormwater pipe headwall and access improvement.

Construction Manager – Railroad Stormwater Upgrades – Allentown, Pennsylvania

Mr. Keczan managed the construction process with zero change orders. The project involved the self-performed design and installation of surface and stormwater improvement measures.

Construction Manager – Railroad Stormwater Treatment System – Linwood, North Carolina

Mr. Keczan managed the construction process with zero change orders. The project entailed the installation of a complete stormwater remediation system including all grade work, piping, concrete placement, electrical work, and site reclamation.

Construction Manager – Landfill Cap – Badin, North Carolina

Mr. Keczan managed the construction process, and successfully denied a \$300,000 change order request. The project included oversight of a general contractor performing a former landfill cap improvement.

Project Engineer – Fuel Delivery System – Conway, Pennsylvania

Mr. Keczan designed and built the fuel delivery system to specifications with zero change orders. The project involved isolating piping components and installing valving and electrical components.

Project Engineer – Fueling Platform Upgrades – Bluefield, West Virginia

Mr. Keczan designed and built the fueling platform upgrades to specifications with zero change orders.

Remedial Trench Installation – Knoxville, Tennessee

Mr. Keczan designed and built a remedial trench adjacent to a fueling platform to specifications with zero change orders. The project entailed the excavation of a large trench to intersect groundwater and capture residual petroleum from impacted soils and groundwater. Additionally, proper transport and disposal of impacted excavated soil was conducted.

Stormwater Management Design Implementation – Reston, Virginia

Mr. Keczan assisted with design and managed field activities for the installation of a stormwater management system. The project consisted of installing a pre-fabricated stormceptor, strategically located check dams, and a stormwater level spreader to manage stormwater.

Stormwater Sampling Access Improvements – Roanoke, Grundy, and Carbo, Virginia and Asheville, North Carolina

Mr. Keczan assisted with design and managed field activities for the installation of a number of stormwater sampling access improvements. Installation of the design was self-performed and involved the installation of gravel footpaths, pre-fabricated stairways and ladder, and placement of concrete.

In-Situ Chemical Oxidation – Bluefield, Norton, and Springville, Virginia

Mr. Keczan designed and manages ISCO operations at three leak/remediation sites, coordinating with local and state officials.



Joseph H. Morici, PE

Current Position

Senior Principal

Profession

Professional Engineer

Years' Experience

27

Joined Cardno

2013

Education

MS Industrial
Engineering –
University of Florida

BS Mechanical
Engineering – Virginia
Tech

Professional Registrations

Professional Engineer:

GA # [REDACTED]

Professional Training/Certifications

40-Hour OSHA
Training

Professional Affiliations

American Society of
Mechanical Engineers

Summary

Mr. Morici is a Professional Engineer and a Brownfields Practice Leader for Cardno now Stantec. He leads the regional efforts to collaborate with local governments to develop Brownfield programs in their communities. This includes identifying potential project sites, developing community support, authoring successful grant applications, developing work plans, and identifying, obtaining, and leveraging multiple sources of funding. Once awarded, Mr. Morici actively manages the Brownfield projects, which include identifying and prioritizing potential sites, completing environmental site assessments, conducting community outreach and public involvement activities, developing clean-up and remediation designs, overseeing clean-up and remediation activities, and facilitating redevelopment planning. For each project, he partners with the client to develop a tailored solution to ensure the project meets the both the short-term and long-term needs of the client.

Project Experience

Mr. Morici leads teams of specialists to provide brownfields redevelopment services for environmentally-challenged areas, where real or perceived environmental contamination issues have resulted in underutilized properties. His responsibilities include managing and leading technical programs, supervising work of staff members, providing guidance and advice to project team members, ensuring high quality standards are met in all projects, and achieving project results that exceed client expectations. Mr. Morici provides oversight and direction for all technical products with the aim to confidently define site-specific issues and develop remediation plans appropriate to ensure the safe-reuse of the site. As such, he has provided senior-level reviews as an Environmental Professional for hundreds of Phase I Environmental Site Assessments to confirm all Recognized Environmental Conditions (RECs) are appropriately identified and that the document is in compliance with ASTM E1527-13 and now E1527-21.

Mr. Morici is currently managing brownfield projects in Virginia, West Virginia, and North Carolina, while overseeing staff members managing similar projects throughout Environmental Protection Agency (EPA) Regions 3 and 4. Overall, he and his team have managed over 100 EPA Brownfield Projects, including Assessment, Cleanup, Revolving Loan Fund, and Job Training grants; have completed hundreds of Phase I and II Environmental Site Assessments; and have overseen the remediation of sites in Virginia, West Virginia, Kentucky, North Carolina, South Carolina, Georgia, and Florida.

Background

Mr. Morici has diverse experience in environmental, industrial, mechanical engineering, and project management. He has over 15 years of experience in specifically working with the EPA Brownfields program. Among other projects, he assisted the Army Corps of Engineers Jacksonville District with public involvement activities and the development of a state-wide management action plan for Formerly Used Defense Sites (FUDS) in Florida, Puerto Rico, and the US Virgin Islands. His experience also includes managing environmental programs for Naval Air Depot (NADEP) Jacksonville and Naval Station Mayport, which involved multiple subtasks including solid waste recycling; environmentally-friendly coating application and removal; hazardous waste management; environmental, safety, and occupational health (ESOH) need assessments; and wastewater engineering. Mr. Morici has also supported manufacturing processes for Lockheed Martin, Raytheon, Texas Instruments, and Dow Chemical.

George A. Robertson

Summary of Experience

Mr. Robertson serves as a senior consultant and senior geologist for Cardno. His experience includes working with federal, state, municipal, and private sector clients in Virginia and the surrounding states. Mr. Robertson is a licensed professional geologist with extensive project level management and field experience. Mr. Robertson has managed a wide range of environmental projects including soil and groundwater remediation, subsurface investigations, waste characterization and disposal, underground storage tank closures, air source emissions monitoring, Phase I and II site assessments, and environmental permitting. Additionally, Mr. Robertson is an experienced safety and quality control professional.

Specifically, he has:

- > Planned and conducted Phase I and II environmental assessments at commercial and industrial sites.
- > Planned remedial efforts providing cost effective solutions to environmental problems and achieve regulatory closure.
- > Coordinated staff, procured equipment and materials, directed subcontractors, and managed budgets to achieve successful environmental site closures and ultimate client satisfaction.
- > Composed and reviewed numerous technical documents including work plans, site assessments, remedial action work plans, risk assessments, and final reports for regulatory compliance.
- > Effectively served as liaison to negotiate land use covenants with regulatory agencies achieving and sustaining environmental closures.

Significant Projects

- > **Project Manager for West Virginia Department of Environmental Protection (WVDEP) Voluntary Remediation Program (VRP) Sites:** Planning and oversight of assessments, remediation, and risk assessments for large petroleum bulk storage facilities in Charleston and Huntington and an abandoned railroad property in Bramwell. Negotiated institutional controls for complex environmental problems including land use covenants and city ordinances for institutional control of environmental risks to human health in sensitive areas. Achieved certificate of completion for these sites.
- > **Project Scientist for Phase I and II Site Assessments, Norton Industrial Authority Tipple and Railroad Tracks:** Planned and conducted field inspections and soil, groundwater and surface water assessments focusing on a railroad bed and wetland at an abandoned coal mine. Prepared reports in accordance with ASTM E 1527-13 and ASTM Standard Practice for Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06.

Current Position

Senior Project Manager
Senior Geologist

Profession

Geologist

Years' Experience

35

Joined Cardno

2008

Education

MS – Fluvial
Geomorphology,
Louisiana State
University, Baton
Rouge, Louisiana

BS – Geology, James
Madison University,
Harrisonburg, Virginia

Professional Registrations

PG – VA, KY, NC

LRS – WV

Certified Monitoring
Well Driller - WV

Class B UST
Certification - WV

OSHA 40-hour Health &
Safety

OSHA 8 Hour
Management &
Supervisory

E-Rail Safe

Power Safe

Affiliations

National Groundwater
Association Member

- > **Project Scientist for Phase I and II Site Assessments, City of Bluefield, West Virginia:** Assisted with team planning, conducting field inspections and investigating soil, groundwater and surface water assessments, and preparing reports focusing on abandoned commercial and industrial properties including large multi-story buildings in accordance with ASTM E 1527-13 and ASTM Standard Practice for Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06
- > **Project Scientist for Phase I and II Site Assessments, Town of Bluefield, Virginia:** Assisted with team planning and conducting field inspections and soil, groundwater and surface water assessments focusing on abandoned commercial and industrial properties including a large industrial scrap yard involving VOCs, SVOCs, PCBs and metals. Reporting was in accordance with ASTM E 1527-13 and ASTM Standard Practice for Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06.
- > **Project Scientist for Phase I and II Site Assessment, Virginia Department of Environmental Quality:** Assisted with team planning and conducting field inspections and records research focusing on abandoned commercial and industrial properties including a large furniture factory, textile mills, a hotel, a theater, an office building. Planning and conducting soil, groundwater and surface water assessments for former phosphate and hydrazine plants, former service stations and a former campground. Reports were in accordance with ASTM E 1527-13 and ASTM Standard Practice for Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06.
- > **Project Scientist for Phase I and Phase II Brownfields Sites in West Virginia and Virginia:** Planned and conducted Phase I and II Site Assessments for former commercial and industrial facilities for reuse as commercial/industrial, public and recreational use facilities. Reports were prepared in accordance with ASTM E 1527-13 and ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06.
- > **Project Scientist for Phase I Coal Mines in West Virginia and Pennsylvania:** Conducted Phase I Site Assessments for former surface and subsurface mining facilities. Prepared reports in accordance with ASTM E 1527-13 and ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process, Designation: E1528-06.
- > **Project Manager for WVDEP Uniform Environmental Covenant Act (UECA) Sites:** Managed environmental assessment, remediation (including oversight of soil excavation and off-site disposal/recycling) and risk assessment at four petroleum facilities in Bluewell, Marlinton, and Princeton achieving risk-based closure and no further action status.
- > **Project Manager for Phase I and II ESAs for Large Petroleum Bulk Storage Facility in Charleston, West Virginia:** Planned, conducted and reported Phase I and II Site Assessments for a petroleum bulk storage facility in accordance with ASTM E 1527-13.
- > **VDOT, Explore Park Voluntary Remediation Program, Roanoke, Virginia.** Senior scientist for design and implementation of a cost-effective remedial action with in-house personnel for VDOT at a soil waste dump slope right-of-way site. Accomplishments included a quantitative risk assessment, remedial plan design with permit approvals, corrective action, such as solid waste removal and a cover placement, post-implementation monitoring, and preparation of Voluntary Remediation Program Certification of Satisfactory Completion of Remediation, including the Declaration of Restrictive Covenants.

- > **Route 1/123 and Route 277 Environmental Site Assessments, Woodbridge, Virginia.** Senior scientist for Phase I and Phase II environmental site assessments for a road/utility corridor improvement project. Tasks included non-intrusive determinations of recognized environmental conditions on the 1.5 mile corridor, intrusive subsurface investigations to sample/test soil, groundwater, and vapors at over 20 sites, including a dry cleaner voluntary remediation program release, and preparing specifications for managing contaminated media. Additional tasks included removing underground storage tanks and asbestos monitoring services.
- > **Transmodal Facility, Harrisburg, Pennsylvania.** Mr. Robertson served as hydrogeologist and project manager for the successful closure of a former locomotive fueling facility impacted with petroleum LNAPL, dissolved- and adsorbed-phases within PADEP's Act 2 Program. Closure was achieved using a combination of risk assessment, product mobility assessment, and short-term active remediation.
- > **Construction Debris Landfill, Roanoke, Virginia.** Senior Scientist for a Construction Debris Landfill at a railroad facility planning and reporting groundwater monitoring and facility maintenance. Conducted groundwater modeling and statistical analysis to meet regulatory requirements for CDL closure.
- > **Pipeline, Northern West Virginia.** Mr. Robertson planned, managed, and supervised Phase I and Phase II environmental assessments for pumping stations and storage facilities along the Eureka Pipeline in West Virginia. He also supervised initial abatement actions for spills at two locations. Membrane interface probe technology was utilized to expedite Phase II assessments at two pumping and bulk storage stations. He prepared work plans and assessment reports. The primary project activities included comprehensive studies of previous site activities, preparation of site-specific health and safety plans, site visits with regulatory agents, delineation of source areas, preparation of sampling and remediation work plans, quality assurance/quality control planning, and reporting and liaison with the WVDEP.
- > **Petroleum Bulk Storage Terminal on Elk River, Charleston, West Virginia.** Mr. Robertson served as licensed remediation specialist, hydrogeologist, and project manager entering the facility into the West Virginia Voluntary remediation program (VRP). Prepared VRP applications and agreements. Planned and oversaw implementation of site assessments, risk assessment, soil and groundwater remediation, and report preparation. Project tasks included comprehensive studies of previous site activities, delineation of source areas, identification of contaminants of potential concern and contaminants of concern, evaluation of data gaps, preparation of sampling and remediation work plans, quality assurance/quality control planning and reporting, preparation of human health and ecological risk assessments, groundwater modeling, preparation of information for public notice, and liaison with the regulatory agency. Certificate-of-completion was achieved.
- > **Electrical Power Generation Plants, North Carolina.** Senior Scientist assisting team in stormwater permit compliance planning, stormwater sampling, outfall inspections, corrective action planning, data management and reporting. Assisted in developing matrices for tracking permit compliance.
- > **Metal Fabrication Facility, Princeton, West Virginia.** Senior Scientist and Project Manager for stormwater, Tier II and TRI planning and management. Researched, planned and prepared Storm Water Pollution Prevention Plan and Groundwater Protection Plan, and prepared NPDES Permit application. Managed storm water sampling and reporting. Researched, prepared and submitted Tier II and Toxic Release Inventory annual reports.

Miranda Basconi

Current Position

Environmental Scientist

Discipline Areas

- > Environmental Geosciences
- > Data Acquisition
- > Psychology

Years' Experience

1

Joined Cardno

June 2020

Education

- > B.S. Environmental Geosciences, Concord University
- > B.S. Psychology, Concord University

Certifications

- > OSHA 40 Hour
- > Power Safe
- > Roadway Worker Protection Training
- > Responsible Land Disturber

Summary of Experience

Ms. Basconi has one year of experience and serves as an environmental scientist at Cardno. She has assisted with the completion of Phase I, Phase II, UST closures, remediation system O&M, lead-based paint and asbestos containing material assessments, and environmental compliance services.

Specifically, she has:

- > Performed environmental assessments and remedial efforts to ensure environmental compliance and closure.
- > Performed soil and groundwater assessments and monitoring.
- > Composed and reviewed technical documents including site assessments and environmental compliance reports.
- > Assisted in health and safety planning, implementation of safety protocols, and coordination of safety meetings.

Significant Projects and Skills

- > 30+ Phase I and Phase II Environmental Site Assessments for commercial and industrial facilities in WV, VA, NC, SC, GA, AL, OH, ID, and CA.
- > 20+ lead-based paint and asbestos containing materials inspections in WV and VA.
- > Providing environmental compliance services for utility pole replacement and vegetation management activities.
- > Stormwater assessment and compliance for rail and utility clients.
- > Groundwater sampling utilizing various techniques including low-flow purging and sampling, low-flow bladder pump sampling, and bailer sampling.
- > Soil, soil-vapor, and sediment sampling.
- > Maintenance and repair associated with remediation O&M and river boom maintenance.
- > Assisted in data acquisition for various projects.
- > Office duties related to various projects such as data entry, borehole logs, statistical analysis, graphical presentation of data, and report writing.
- > Coordination and communication with client representatives and subcontractors.