



Appendix C: Compliance Assurance Plan

CASE 10-T-0139
COMPLIANCE ASSURANCE PLAN

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1.0 INTRODUCTION

As specified in Certificate Condition 160, the Certificate Holders have developed this Compliance Assurance Plan so that quality standards are followed, and environmental compliance is maintained. The Certificate Holders will implement this Compliance Assurance Plan to confirm that the Project components and tasks conform to the Certificate issued by the Public Service Commission on April 18, 2013 (as amended), and the technical specifications of the Plan & Profile Drawings as well as the procedures outlined in the sections of the EM&CP. Specifically, this Compliance Assurance Plan addresses the work associated with mattressing that will protect existing co-located infrastructure where the proposed cable alignment crosses at depths of less than 150-feet within the boundaries of Lake Champlain (aka Package 11A, Segment 18A).

1.1 Co-Located Infrastructures

The Certificate Holders have has identified 42 potential co-located infrastructure assets along the 96-mile-long Lake Champlain submarine cable route. These assets do not include bridges that will be passed under by the route (installation beneath bridges will be described in the Segment 18B EM&CP). The potential co-located infrastructure assets are primarily utility cables or pipes, and include cables related to operation of ferries. A list of the identified potential co-located infrastructure assets, which have been designated as LC-01 through LC-42, is provided in Appendix E of this EM&CP.

The Certificate Holders have been investigating the potential co-located infrastructure locations to determine which locations would present an asset requiring a crossing by the CHPE submarine cables. These investigations have included desktop research, remote sensing marine surveys, diver investigations, and contacting identified asset owners. Initial indications are that six assets appear to be clear of the submarine cable route. This will be re-confirmed by the Certificate Holders during additional utility location surveys planned for Spring 2023. Based on presently known information about co-located infrastructure crossings, this EM&CP identifies pre-lay mattress placement at 18 locations as shown on the Drawings provided in Appendix A. For the remaining locations, the methods and procedures described herein for pre-lay mattress placement will be the same. The Certificate Holders will provide location specific information for the remaining locations to DPS prior to receiving Notice to Proceed for pre-lay mattressing activities.

2.0 INSPECTORS CONTACT INFORMATION

Appendix A of this Compliance Assurance Plan includes the resumes for the Inspectors summarized in Table 1 below. For those positions not yet filled, names, contact information, and qualifications will be provided to DPS Staff for review two (2) weeks prior to the start of construction.

Table 1 Inspectors Contact Information and Qualifications

Inspector Title	Name(s)	Contact Information	Comments
Safety Inspector	Bear Kirk Shawn Reeves	bear.kirk@wsp.com 302-579-9390 shawn.reeves@wsp.com 225-993-0610	TBD
Quality Assurance Inspector	Aly Fahmy Fernando Gonzales	aly.fahmy@wsp.com 205-765-3922 fernando.gonzales@wsp.com 201-951-3649	See attached Resumes for field inspectors
Construction Inspector	Aly Fahmy John Barnard	aly.fahmy@wsp.com 205-765-3922 john.barnard@wsp.com 925-303-0043	See attached Resumes for field inspectors
Environmental Inspector	Brock Freyer Willie Keeney	brock.freyer@wsp.com 603-420-9517 wkeeney@diehluxllc.com 507-637-7499	See attached Resumes for field inspectors
Aquatic Inspector	Brock Freyer Willie Keeney	brock.freyer@wsp.com 603-420-9517 wkeeney@diehluxllc.com 507-637-7499	See attached Resumes for field inspectors

In the event that two or more locations within Lake Champlain are having mattresses performed concurrently, the Certificate Holders will ensure that at least one aquatic inspector is assigned to each construction area as needed. However, inspector(s) may perform multiple roles if each is qualified to do them. The Certificate Holders have a broad bench of inspectors, however, if needed, they will hire additional qualified inspectors to fulfil duties in different areas.

2.1 Quality Control Inspections

The Quality Assurance Inspector will perform the Quality Control Audits on behalf of the Certificate Holders. The Quality Assurance Inspector will have the qualifications and responsibilities specified in Section 4.7 of this EM&CP and Certificate Condition 53(a).

The Quality Control Inspections will include the following components:

1. Purchasing Quality Control Inspections, which will confirm that the Project materials, structures, equipment, and components purchased conform to the technical specifications identified in the Plan & Profile Drawings; as well as, the procedures and specifications described in the EM&CP.

2. Construction Quality Inspections, which will document that the Project is being constructed in accordance with the design and technical specifications for the Project. The Certificate Holders will notify the DPS Staff representative of when the field reviews will occur.
3. Compliance Inspections, which will document that the Certificate Holders are in compliance with the Article VII Certificate and the requirements of the Certificate Conditions.

2.2 Quality Control Inspection Schedule

Quality Control Inspections will be completed at least monthly during the pre-construction, and construction phases. The Inspections will also be performed annually during the first two years of the post construction phase. Regular marine surveys along the cable route will be carried out to ensure the matting is located as placed. Pursuant to the terms of the USACE Permit and Article VII Certificate, Permittee will inspect at least every five years.

2.3 Reporting & Documentation

After each Quality Control Inspection, the Quality Assurance Inspector will alert the Certificate Holders of areas of non-conformance with the construction plans or non-compliance associated with the Certificate Conditions that were observed during the Inspection. If areas of non-conformance require immediate attention such as those that impact the safety of Project personnel, work will be halted immediately, and the Quality Assurance Inspector will alert the person supervising the construction and the Certificate Holders immediately. The Certificate Holders will collaborate with their team to determine the most appropriate course of action within the requirements of Certificate Conditions and the standard of care for the of the industry and then perform the actions necessary to resolve the issue as quickly as possible. If immediate actions are not required, the Certificate Holders will prepare a report that documents the corrective and preventative actions to address the issues observed by the Quality Assurance Inspector. This report will be completed in a prompt manner consistent with the issues it is addressing and filed with the Certificate Holders and DPS Staff if applicable.

For issues brought to the attention of the Quality Assurance Inspector or the Certificate Holders by co-located infrastructure owners whose property has been damaged in a material way as a result of the construction, the Certificate Holders will prepare a similar report with the guidance of the Quality Assurance Inspector, applicable utility owners, and agencies as needed. This report

will document the corrective and preventative actions to address damages that have occurred or have the potential to occur. This report will be completed in a prompt manner consistent with the issues it is addressing and filed with the Certificate Holders and DPS Staff if applicable.

2.3.1 Purchasing Quality Control Audits

Within five (5) business days following completion of each Purchasing Quality Control Audit, the Certificate Holders will provide to the DPS Staff Representative a report of such audit that includes: (i) a description of the results of the audit, particularly with respect to results that identify that one or more structures or components the Certificate Holders purchased for installation in the Project did not conform to the specification for structures or components described in the approved EM&CP; and, (ii) notes pertinent to the subject matter of such audit which were made at audit meetings by the Certificate Holders' personnel and contractors who performed the audit.

If a Purchasing Quality Control Audit conducted by the Certificate Holders confirms that one or more structures or components the Certificate Holders purchased for installation in the Project did not conform to the specification for structures and components described in the approved EM&CP, the Certificate Holders will: (i) provide written notification to the Secretary within 24 hours of the Certificate Holder's confirmation of such non-conformity; and (ii) describe the steps the Certificate Holders will take to correct the non-conformity, including whether the components must be dismantled and sent back to the manufacturer, as well as a detailed estimate of costs and expected delays in construction resulting from such non-conformity.

2.3.2 Construction Quality Control Audits

After reviewing the active construction work areas, purchased construction equipment and materials, and design plans, the Construction Inspector, with the help of other inspectors where applicable, will prepare a written report of the findings on whether the Project is being constructed in accordance with the design for the Project. This construction quality control audit may also involve discussions and meeting with the design engineer, construction contractor, and construction personnel as needed. This written report will be generated every month during construction of the Project and submitted to the Certificate Holder. The Certificate Holders will provide a copy of each such report to the DPS Staff Representative three (3) business days after the report is generated.

If materials, structures, or components are installed that do not conform to those specified in the EM&CP, the Certificate Holder, within one (1) month after becoming aware of such incident, shall prepare and deliver to the DPS Staff Representative a summary report detailing the incident, the steps to be taken to rectify the non-conformance, the material and labor costs associated with addressing the issue, and the manner in which such costs will be accounted for separately from the Certificate Holder's other Project costs.

2.3.3 Compliance Inspections

Compliance inspections and oversight shall be conducted daily by the designated compliance inspector(s) for the matting activities. The duration of inspections and oversight of the compliance inspectors will be dependent on activity type, location, or otherwise required by Certificate Condition(s). Designated compliance inspector(s) will provide oversight for the matting as required. The Certificate Holders will provide to DPS Staff a weekly schedule of the Environmental Inspector and the Construction Inspector and their cell phone numbers. The Environmental Inspectors and Construction Inspectors will be properly equipped to effectively monitor each Contractors' compliance with the provisions of the Certificate and applicable sections of the Public Service Law (PSL), New York State Environmental Conservation Law ("ECL"), the Water Quality Certification ("WQC") issued in connection with the Facility pursuant to Section 401 of the Federal Clean Water Act and the approved EM&CP for each segment of the Project. The Aquatic Inspector will be on site for underwater installation procedures. They will be on site at the start of each field operation and during environmentally sensitive phases of installation. It is the Aquatic Inspectors' job to ensure compliance with regulatory and permit requirements for matting. They will monitor construction activities on, above, or below the State's waters. If matting appears to be in violation of the Certificate of Environmental Compatibility and Public Need, it is the Aquatic Inspectors job to stop work immediately and assist in developing preventive or remedial action.

These Compliance inspections will be recorded daily using standardized forms (Daily Reports) for each type of compliance inspection. These forms will include components of the work matters to inspect for compliance, specific items and locations inspected will be recorded along with the inspection method employed and acceptability criteria. During the work, if an inspector identifies an item of noncompliance with construction plans or with the Certificate Conditions, the Inspector will alert the person supervising the construction where the noncompliance was observed immediately so that they can take appropriate corrective action. The Inspector will document

noncompliance matters and their corrective action in the Daily Report which will be provided to Certificate Holders within a centralized data sharing platform.

The Certificate Holders will promptly notify DPS Staff and NYSDEC if a New York State listed species of special concern is observed to be present in the Facility area (Certificate Condition 51(a)).

The Certificate Holders will promptly notify DPS Staff, NYSDEC and the United States Fish and Wildlife Service (“USFWS”) or National Marine Fisheries Service (“NMFS”) (if applicable) if threatened or endangered wildlife species under 6 N.Y.C.R.R. Part 182 (“TE species”) or rare, threatened or endangered plant species under 6 N.Y.C.R.R. Part 193 (“RTE plants”) are observed to be present in the area of matting so as to determine the appropriate measures to be taken to avoid or minimize impacts to such species. If necessary to avoid or minimize impacts to such species or as directed by DPS Staff, the Certificate Holders will stabilize the Project area and cease construction in the immediate area of the threatened or endangered species until DPS Staff have determined that appropriate protective measures have been implemented (Certificate Condition 52).

3.0 ENVIRONMENTAL AUDITS

Environmental audits will be conducted during the construction phase of the Project. These environmental audits will be performed by the Environmental Inspector with the help of the Quality Assurance Inspector and Aquatic Inspector (CC 53[a]) for Marine portions of the Project as needed.

3.1 Environmental Audit Schedule

Environmental audits will be conducted during matressing in accordance with CC 53(a)(i) of the Project. Additionally, annual environmental audits will be conducted as part of the overall transmission cable inspection every five (5) years of the operation of the Project. The Certificate Holders will inform DPS Staff, NYSDEC, and affected state and municipal agencies of the schedule for these audits and the submission of their findings at least 30 days prior to the audit. Upon completion of the audits, DPS and DEC will be provided with a written explanation of the problem(s) signed by the independent inspectors and an authorized representative of the Certificate Holders, together with the audit checklists. Further details on the specific checklists to be used for these annual audits will be developed in consultation with the independent inspectors.

3.2 Reporting And Documentation

The environmental audits will address the environmental concerns identified by the Environmental Inspector after consulting with the other inspectors, Project personnel, and others observing construction of the Project. The Environmental Inspector will prepare a report that documents the concerns or areas on non-compliance identified during the inspection. This report will be signed by the Environmental Inspector and submitted to the Certificate Holders or their authorized representative, DPS Staff and NYSDEC. The Certificate Holders will consult with their team, DPS and NYSDEC to determine the corrective and preventative actions to address the identified non-compliance and then implement such actions.

4.0 POST INSTALLATION INSPECTION PLAN

An immediate post-installation inspection will be performed by the Certificate Holders after each segment is completed with the help of their inspectors as needed.

4.1 Mattress Location

Installation of the mattresses will be overseen by Certificate Holders' Owner Engineer to verify mattress location, depth and that Collocated Infrastructure owner requirements are met.

4.2 Damage to Infrastructure

Working daily during construction with the Quality Assurance Inspector and applicable co-located infrastructure owners, the Certificate Holders will determine if damage has occurred to pre-existing infrastructure as a result of the mattressing process. If damage is found, the Certificate Holders will immediately notify the CI owners and operators of the nature of such damage and other known facts relating to the cause the damage. Repairs will be made in accordance with the Certificate, CI owner requirements, and with their direct consultation.

In situations involving imminent risk to health, safety, property, or the environment requiring the Certificate Holders to cross CI to address the emergency, the Certificate Holders will notify the CI owners and operators as soon as possible. Such notice will include instances when transport or travel over or under CI would be subject to special approval by state and/or local authorities due to the size or weight of load(s) transported.

4.3 Schedule

Periodic verifications of areas of concern identified during the Post-Mattressing Inspection shall be performed by the Certificate Holders. Pursuant to the terms of the USACE Permit and Article VII Certificate, Permittee will inspect at least every five (5) years. Post-Installation Inspection methods and schedules will be included in a Post-Installation Inspection Plan and/or Maintenance & Emergency Action Plan that will be provided to DPS Staff in accordance with Certificate Conditions 95 and 161(a & b).

4.4 Maintenance and Emergency Action Plan

The mattresses designed to be relatively maintenance-free and operate within the specified working conditions. In addition, while not anticipated, it is possible that over their lifespan, they could be damaged, either by human activity or natural processes.

A maintenance and emergency action plan will be included in the overall Facility Operation and Maintenance Plan (Plan) to be compiled during construction and prior to operations. This Plan will include processes and actions that meet the requirements of Certificate Condition 162 (b). The following provides an overview of key activities that will be included in the Plan. In general, the plan will integrate and coordinate maintenance of the Facility with that of adjacent facilities, structures, and property to the extent practicable, in accordance with Certificate Condition 14.

4.4.1 Maintenance

When planning and performing maintenance on the Facility in the vicinity of CI, the Certificate Holders will conduct such repairs in accordance with CI protocols agreed to for initial construction.

4.4.1.1 Access Control and Facility Security

Access to marine portions of the facility will be controlled by burial in sediments and by being submerged.

4.4.1.2 Notifications

Prior to commencing planned repair, construction, operation, or maintenance activity relating to the operator's CI, the Certificate Holders will advise owner(s) and operator(s) of CI at least thirty (30) days in advance, unless such actions must be taken in less than thirty (30) days to protect the public or to ensure reliable operation of the Facility, whereupon Certificate Holders will provide such notice as is reasonable under the circumstances; provided that, in any event, "vicinity" with respect to CI used to transmit or distribute natural gas shall mean all areas within two hundred (200) feet thereof and with respect to all other CI will mean all areas within one hundred (100) feet thereof.

4.4.1.3 Mattress Repair

In the event that a mattress is damaged during replacement and/or during cable placement, which is not covered in this EM&CP, and requires repair, the Permittee will develop an Aquatic Safety and Communications Plan that will meet regulatory permit conditions and requirements, including OSHA 29 CFR 1926.106, as applicable. The Permittee will follow USCG regulations for safely operating vessels and will coordinate with USCG Waterways Management and Vessel Traffic Services.

4.4.1.4 Notifications

In the event of an equipment failure during operations, the Certificate Holders will promptly notify appropriate state regulators as follows:

- The Certificate Holders will report theft of materials related to the Facility with a value in excess of ten thousand dollars (\$10,000) to the DPS Representative within one (1) business day of the time when the theft comes to the attention of the Certificate Holders. The Certificate Holders will provide the DPS Representative with a list of the stolen items to the extent known and a copy of the police report (Certificate Condition 137).
- Notify the owners or operators of CI or Potential CI as soon as possible in the event of a situation involving imminent risk to health, safety, property, or the environment requiring the Certificate Holders to cross such CI or Potential CI or to use associated property to address the emergency. Such notice shall not be required for the transport or travel over or under CI or Potential CI by the Certificate Holders or their agents, employees, or contractors where such CI or Potential CI is in, over, or under public waterways unless such transportation would be subject to special approval by state and/or local authorities due to the size or weight of load(s) transported (Certificate Condition 28(g)).

APPENDIX A of COMPLIANCE ASSURANCE PLAN
Inspector Resumes



HIGHLIGHTS:

With a diverse background in work, education and travel he brings a wide array of skills and experience. He has over seven years working as an Environmental Compliance Inspector, along with 18 years of work and experience as a Soldier in the United States Army (Military Police Corps). He also has 2 years of agricultural compliance, over three years of environmental compliance and has served as a project designated Spill Response Coordinator all while being a part of NY State Article VII projects.

EDUCATION:

University of Utah, Salt Lake City, UT.

Bachelor of Science, Psychology, Dec, 2013 Double Minor: Military Science & Sociology, Certification in Criminology & Corrections.

- * Associate in Science: Columbia College. SLC, UT. 2010.
- * Army ROTC Program: University of Utah. Military Science. Salt Lake City, UT. 2010-2013.
- * Study Abroad/International Internship: Hinckley Institute of Politics. International/World Studies. Hanoi, Vietnam. 2011.
- * Hinckley Institute of Politics/Summer/Washington D.C. Internship/Veterans of Foreign Wars National Headquarters. 2012.

CERTIFICATIONS/LICENSES:

- * 2023 **NYS DEC 4-Hour Erosion and Sediment Control Training**. SWT # 060T-3052023-178.
- * 2022 **SLC Corporation** 'Multi Unit Rental Dwelling' Business License #LIC1996-01787.
- * 2021 **American Health Information Management Association (AHIMA)** HIPAA and Privacy Act Training Certificate of Completion.
- * **Additional Duty Safety Officer (ADSO)** Certificate of Completion USAR.
- * 2019 CPR AED/First Aid/Bloodborne Pathogens-American Heart Association.
- * 2018 **QIS**-Basic First Aid and CPR Awareness Training Certificate.
- * 2018 **NACLC SECRET** Security Clearance USAR.
- * 2017 **Central Tech/Williams Veteran Initiative Program** 36-Hour Training Course Certificate.
- * 2017 **OSHA 30-Hour Construction Safety**. Certificate ID 5473_1359967.
- * 2017 **Construction Inspection Orientation Program**, Civil Inspector, Williams CIOP.
- * 2016 **Environmental Compliance Training** 06.06.05 (9 hours).
- * 2016 Captains Career Course (Phase I) **USAR** MPCCC.
- * 2015 **Utah Contractor License Center** 50hrs B100 General Contractors License.
- * 2015 Received Credentials UTAH Construction Business and Law Examination.
- * 2015 **Utah Home Builders Association (UHBA)** Contractor 25-Hour Pre-Licensure Education Course.
- * 2014 **FEMA** Emergency Management and Initial Accident Incident.
- * 2014 Basic Officer Leader Course **USAR** (Military Police-BOLC).
- * 2013 Range Safety Officer (RSO) **USAR**.

SPECIALTIES:

- * Wetland delineation/Survey TRC.

DIEHLUX

Chase Collram

- * Provided unique leadership and management experience.
- * Developed qualities necessary for success in military and civilian career.
- * Army ROTC: established leadership hands on experience in managing physical, financial, and human resources.
- * Obtained academic credibility, military educational development, and successful completion of LDAC (Leadership Development Assessment Course).
- * Development of leadership and management skills through practical exercises and basic military skills.
- * Emphasis on problem solving and decision-making skills at the team level.
- * Real world training curriculum to prepare for the rigors of military service and discipline through systematic conditioning.
- * Instilled Foundational Leadership through continued progressive development of leadership and management skills.
- * Implementation of decision-making procedures in a professional and business environment.

VOLUNTEER WORK:

2012 Hinckley Institute of Politics/Summer/Washington D.C. Internship/Veterans of Foreign Wars National Headquarters.

- * Co-Leader of 20 National Interns from the Hinckley Institute of Politics for the duration of the summer. Coordinated meeting, scheduled conferences and assisted with rooming/housing/domicile assignments.
- * Purchasing, ordering, packing supplies for Interns.

2011 Hinckley Institute of Politics/Summer International Internship (Humanitarian Work).

Hanoi, Vietnam

Co-Leader of International Intern Group from the Hinckley Institute of Politics for the duration of the summer.

2010 Kaizan Orphanage in Mexico (Humanitarian Work).

2006-04 Service Alternatives for the State of WA. /Rehab for Adolescent Delinquents/RAD Program Group Home for Boys (2 yrs.)

1999 Boy Scouts of America (BSA) Eagle Scout.

1998 Easter Seals (2 events).

PROFESSIONAL EXPERIENCE:

2023-20 TRC Companies Inc. Environmental Inspector/Agricultural Monitor/Spill Response Coordinator. Canton, NY

New York Power Authority Moses-Adirondack Smart Path Reliability Project and Smart Path Connect Project Article VII

- * Ensured compliance with the Article VII Application, Certificate Conditions, Environmental Management and Construction Plan (EM&CP), Threatened and Endangered Species Regulations and project specific appendices, Spill Prevention Control and Countermeasure (SPCC), United State Army Corps of Engineers Section 404 Permit, and the project's Storm Water Pollution Prevention Plans (SWPPPs).
- * Conducted site compliance inspections with New York State Department of Public Service (NYS DPS), New York State Department of Environmental Conservation (NYSDEC), New York State Department of Agriculture and Markets (NYSAGM), project contractors, construction supervisors, and the New York Power Authority Construction Management and Project Development & Licensing (NYPA) project team personnel.

- * Monitored all construction activities, including tree clearing, access road improvements and new installations, structure removals, new structure installations, conductor stringing, SWPPP inspections, sweeps for threatened and endangered species presence, installation and maintenance of erosion controls.
- * Oversaw project construction, restoration, and monitoring in agricultural areas. Assisted as the agricultural point of contact and acted as a liaison between landowners, project construction personnel, and NYSAGM Staff regarding agriculture-related matters for the project.
- * Assisted in ensuring compliance with NYSAGM regulations and guidelines, agricultural restoration plans, and drain tile repair in consultation with the agricultural producers. Regularly met with agricultural producers and notified landowners about project updates.
- * Performed penetrometer testing in agricultural resources to assess the need for decompaction.
- * Created daily punch-lists, agricultural landowner notes, and documented first, second, and third growing seasons for post construction monitoring in agricultural resource areas.
- * Worked alongside multiple monitors, including Environmental and Threatened and Endangered Species Monitors.
- * Coordinated with NYSDEC Spill Response Agents on all project related reportable spills and issuance of spill tickets.
- * Assisted in the creation and maintaining of multiple project progress tracking documents to identify issues and deficiencies to assist in project progress and conformance with all required permits.

2019 Wood Group. Environmental Inspector. Pearsall, TX.

Phillips 66 Gray Oak Pipeline Spread 4

- * Interacted with all applicable environmental agencies and Owner's environmental staff to assure compliance with all environmental regulations, with an emphasis on proper handling of soils and contaminated materials during construction, performing work in or adjacent to wetlands and natural resource areas, and instituting erosion control plans.
- * Monitored all phases of construction to ensure compliance with environmental permits. Worked closely with Project Managers and Superintendents, as well as other field staff, to ensure project staff understand the requirements of all state, federal, and local environmental regulations, as well as all project-specific environmental requirements.
- * Monitored HDD operations, sampled drill mud, and well water for potential contamination.
- * Performed weekly SWPPPs and daily inspection reports.
- * Ensured appropriate implementation of and compliance with project-specific soil management plans, Storm Water Pollution Prevention Plans, Remedial Action Plans, and other required environmental plans.

2018 Quality Integrated Services. Environmental Utility Inspector. Parkersburg, WV.

TransCanada MXP Express Spread 4

- * Monitored and documented construction crews to ensure compliance with West Virginia Department Environmental Program (DEP) environmental project specifications, Federal Energy Regulatory Commission (FERC) Procedures, SPCC regulations, and SWPPP inspections.
- * Assured that erosion and sedimentation control measures were installed and maintained.
- * Compiled weekly punch-lists, FERC reports, and daily monitoring reports with photo documentation.
- * Assisted in FERC, DEP, and environmental engineer inspections throughout sites.
- * Ensured appropriate implementation of and compliance with project-specific soil management plans, Storm Water Pollution Prevention Plans, Remedial Action Plans, and other required environmental plans.
- * Interacted with all applicable environmental agencies and Owner's environmental staff to assure compliance with all environmental.

2018 Frontier Integrity Solutions Utility/Environmental Inspector. Monroe, MI.

Enbridge Nexus Pipeline Project Spread 4

- * Inspected over tie-in and lowering-in construction activities to ensure compliance with company specifications.
- * Observed construction activities for HDD and bore crew.
- * Monitored hydrotesting activities.
- * Inspected drain tile restoration and followed permits regarding agricultural mitigation plans.
- * Monitored Initial Restoration activities/crews.

2017 Universal Pegasus International. Environmental Utility Inspector. Zanesville, OH.

TransCanada Leach Express Spread 4

- * Monitored and documented construction crews to ensure compliance with FERC, DEP environmental project specifications, and all applicable local, state and federal regulations. Tracked daily progress for permit reporting purposes on master tracking log, and documented minor changes.
- * Assured that erosion and sediment control measures were installed and maintained.
- * Monitored hydrotesting activities.
- * Observed work with environmental, clearing, excavating, ditching, lowering-in, stringing, backfill, cleanup, and restoration.

2017 Quality Integrated Services. Utility Inspector. Moapa, NV.

Kern River Gas Transmission MP 477 Cathodic Protection Deep Well Replacement Project

- * Inspected over contractor activities to ensure compliance with company specifications and all applicable local, state and federal regulations.
- * Monitored construction activities to ensure compliance with all laws and regulations (OSHA), approved Health and Safety Plans (SSHASP) plans.

2017 Cleveland Inspection Services. Utility Inspector. Parlin, NJ.

Williams/Transco New York Bay Expansion Project Station 207

- * Monitored and documented construction crews to ensure compliance with Williams construction plans, FERC requirements, OSHA regulations, and approved Health and Safety Plans (SSHASP) plans.
- * Inspected and recorded utility activities, prepared daily reports, and performed environmental training of new construction personnel.
- * Assisted in FERC, DEP, and engineer inspections throughout sites.
- * Ensured that all work is conducted in a safe manner.
- * Project consisted of the addition of a 30,500HP electric driven compression and replaced segments of a 42" pipe along with gas coolers and appurtenant facilities.

2016 Quality Integrated Services. Utility Inspector. Evanston, WY/Fillmore, UT.

Kern River Gas Transmission Pipeline

- * Monitored and documented all phases of construction to ensure compliance with environmental permits.
- * Inspected over contractor activities to ensure compliance with company specifications and all applicable local, state and federal regulations.
- * Monitored construction activities to ensure compliance with all laws and regulations (OSHA), approved Health and Safety Plans (SSHASP) plans.

2016 Quality Integrated Services. Utility Inspector. Primm, NV.

Kern River Gas Transmission Pipeline Project Phase 1 & 2

- * Inspected and recorded environmental & utility activities to ensure compliance with company specifications and all applicable local, state and federal regulations. Observed work with environmental, clearing, excavating, ditching, lowering-in, stringing, backfill & cleanup. Project updated rectifiers & deep well anodes at facilities and ROW.

2015-2014 Platoon Leader/BHU Assistant Officer In Charge. Guantanamo Bay, Cuba.

Operation Enduring Freedom Deployment

- * 224th Military Police Company (I/R) Served as a Platoon Leader in a forward deployed Internment/Resettlement Military Police Company in support of Operation ENDURING FREEDOM (OEF) and Joint Task Force Operations Guantanamo Bay, Cuba.
- * Responsible for the health, welfare, discipline, for all aspects of administration and enlisted personnel management for the unit; principal advisor to the commander on all enlisted Soldier matters, Detainee Tactical Operations Center (TOC); responsible for the accountability of over \$5 million in U.S. Army property.
- * Selected out of four Lieutenants to serve in a contingency operation following 18-month deployment to GTMO.
- * Served one month on an Overseas Deployment Training (ODT) mission to Camp Zama, Japan. Third of only three Army Reserve unit ever to participate in Departments of Defense initiative of Global military presence and strength. Only Officer to represent the 539th MP Detachment Law & Order unit out of Scottsdale, AZ.
- * Ultimately responsible for 25 Soldiers serving in an Ambassador like position as our mission priorities were observed by all of Japan, allied forces and ongoing U.S. military operations in the Pacific Command.

2013-2010 University of Utah Army Reserve Officer Training Corps. Salt Lake City, UT.

- * Provided unique leadership and management experience. Developed qualities necessary for success in military and civilian career. Earned a College Degree and an Army Officer's Commission at the same time.
- * Army ROTC: established leadership hands on experience in managing physical, financial, and human resources. Possess a high level of self-confidence and superior decision-making abilities. Obtained academic credibility, military educational development, and successful completion of LDAC (Leadership Development Assessment Course). Development of leadership and management skills through practical exercises and basic military skills. Emphasis on problem solving and decision-making skills at the team level. Real world training curriculum to prepare for the rigors of military service and discipline through systematic conditioning. Instilled Foundational Leadership through continued progressive development of leadership and management skills. Implementation of decision-making procedures in a professional and business environment.

2010-2009 Operation Iraqi Freedom Combat Deployment Wisconsin National Guard. Baghdad, Iraq.

- * 32nd Infantry Brigade Combat Team FOB Prosperity Mayor Cell Badging Office NCOIC at Tier II Site JASG-C HQ. Served as a Military Police Officer Multi-National Forces Iraq's Joint Area Support Group Central, Security Directorate FOB (Forward Operating Base) Prosperity, Baghdad, Iraq.
- * Worked directly for Approving Authority under operational control of FOB Mayor at the Lieutenant Colonel rank. Managed and facilitated an office of seven personnel, to include US Army soldiers, DoD civilian contractors and being a linguist manager for two category 1 linguists.
- * Worked with LST (LEP Screening Team)/LEP (Local National Employed Person), HST (Human Intelligence Support Team, Humint) and CST (Counterintelligence Support Team) making recommendation for Coalition base access/denial. Worked side by side with screening teams that reported directly to the theater TFCICA (Task Force Counterintelligence Coordinating Authority) command for all Military Intelligence.

2008-2006 U.S. Army Military Police Officer/Corrections Specialist. (MOS: 31E/31B Series) GTMO.

- * Worked with high-risk detainees; also known as 'world terrorists'; Islamic extremists. Operation: Enduring Freedom 'War on Terrorism'. Conducted interrogation procedures with CIA & FBI agents. Objective: 'Critical Intel' support for Operation 'Iraqi Freedom' and 'Operation Enduring Freedom'
- * Responsible as Bailiff in Military Tribunal Commissions Court (main goal: protect the judge/full-bird colonel); escort guard w/the responsibility of safeguarding detainee.

DIEHLUX

Chase Collram

- * Selected as the permanent #1 Soldier on Force Cell Extraction Team.
- * Promoted to Rank of Non-Commissioned Officer (07/01/07); Team Leader, Squad Leader/Sergeant of the Guard– in charge of 9-man team. Selected to attend Warrior Leader Course at Ft. Stewart, Georgia; graduated w/95.4%, overall.
- * Selected to be Physical Training Instructor.
- * Selected for Detainee Movement Operation (DMO).
- * Weapons Qualification: Qualified expert w/hand-grenade, 9 mm Berretta pistol, 12 gauge shot-gun, M-16 A2 rifle/M4, 50 caliber rifle, M249 squad-automatic weapon (SAW).

2006-2004 Regional Confinement Facility (RCF). Ft. Lewis, Washington.

- * Block Guard– Secured maximum, medium, minimum and trustee level prisoners.
- * Carpentry Shop Non-Commissioned Officer in Charge (NCOIC) responsible for 15 man work detail–these were inmates that were enrolled in vocational school carpentry program.
- * Sales Store NCOIC– responsible for all sales; inventory.
- * Labor Yard Guard- in charge of 50-man detail; with 1-15 inmate/guard ratio.
- * Temporary Release Guard (TR/Employment Guard); responsible for escorting all level prisoners to legal, medical & dental appointments.
- * Ft. Leonard Wood, MO. Basic Combat Training & Advanced Individual Training (AIT) Graduate (07/13/2004).

HONORS AND AWARDS:

- * Joint Service Commendation Medal, 3 Army Commendation Medals, Joint Service Achievement Medal, 4 Army Good Conduct Medals, National Defense Service Medal, Global War on Terrorism Expeditionary Medal, Global War On Terrorism Service Medal, Iraq Campaign Medal w/ Star, Non-Commissioned Officer Professional Development Ribbon, Army Service Ribbon, Overseas Service Ribbon (2nd Award), Armed Forces Reserve Medal w/ M Device.

ACADEMIC/PROFESSIONAL/CLIENT REFERENCES:

Megan Hayes: Senior Permitting Lead
Atlantic Shores Offshore Wind LLC
Cell: (510) 381-3263
Email: megan.hayes777@gmail.com

COL. Anthony Mancari:
302d Maneuver Enhancement Brigade Commander
Cell: (440) 867-8200
Email: anthony.c.mancari.mil@army.mil

Charles Neal: Inspection Chief
Cell: (830) 596-3513
Email: pipelinecharlie@aol.com

MAJ. Ryan Walters:
387th Military Police Battalion XO
Cell: (210) 620-9613
Email: ryan.p.walters3.mil@army.mil

DIEHLUX



HIGHLIGHTS

Environmental Compliance professional with over 13 years of field experience in the energy industry with a focus on monitoring compliance with applicable permits and guidelines from the FERC, USACE, as well as tribal and state level pollution control and natural resources/wildlife agencies. Experienced in multiple phases of utility project construction, including pre-construction vegetation and endangered species surveys, active construction environmental inspection and biological monitoring, and post construction/restoration inspection. Extensive experience in implementing SPCC and SWPPP plans during and after construction and assisting contractors and other client representatives in achieving and maintaining project compliance with same. Skilled and experienced in managing teams and providing training and coaching to individuals from a wide variety of nationalities and backgrounds and overcoming barriers to communication and understanding.

EDUCATION:

High School

CERTIFICATIONS/LICENSES

EPA Watershed Management Certified

Florida Fish and Wildlife Conservation Commission Authorized Gopher Tortoise Agent Permit

University of Minnesota Erosion and Stormwater Management Certification Program Construction Site Management certification

SPECIALIZED TRAINING:

FERC "Environmental Review and Compliance for Natural Gas Facilities" training seminar

PROFESSIONAL EXPERIENCE

Lead Independent Environmental Monitor

ERM | 2020–2023

Led team of Independent Environmental Monitors tasked with monitoring contractor and permit holder compliance on behalf of the Minnesota Pollution Control Agency, the Minnesota Department of Natural Resources, and other state regulatory agencies for a pipeline replacement project. Tasks included daily coordination with Lead Environmental Inspector and team, reviewing team reports and directing team monitoring activities, meeting with stakeholders and addressing stakeholder concerns, and coordinating with cultural and tribal monitors.

Lead Environmental Inspector

ERM | 2018–2020

Monitored contractor compliance with all client specifications and permit requirements for multiple projects in Kansas and North Dakota. Advised contractor on optimal methods of safeguarding and crossing wetlands and water bodies, controlling erosion, and stormwater management. Monitored contractor's installation and maintenance of BMPs, erosion control devices (ECDs), and

DIEHLUX

Chris Winchester

environmental exclusion areas during construction. Coordinated project compliance with wildlife species protection measures, including eastern spotted skunks, migratory birds, and other environmental and cultural concerns and limitations. Prepared daily field and other regulatory reports. Following construction, monitored the progress of reseeded and restoration efforts and conducted weekly stormwater inspections.

Environmental Inspector

HDR Inc | 2017–2018

Provided environmental inspection services for a 255-mile interstate natural gas transmission pipeline. Monitored contractor compliance with all environmental permit requirements, advised contractor on optimal methods of safeguarding and crossing wetlands and water bodies, controlling erosion, and stormwater management. Inspected and monitored the contractor's installation and maintenance of BMPs, erosion control devices, and environmental exclusion areas during construction. Provided environmental orientation for the contractor and other personnel associated with the project. Documented daily activities, incidents, and compliance issues for review.

Biomonitor

TRC Solutions | 2016

Documented the pre-construction status of wetlands and water bodies for an interstate natural gas pipeline from Alabama to Florida. Conducted invasive plant surveys, documenting the presence and extent of infestations of exotic and invasive plants prior to construction. Directed excavation of 100+ gopher tortoise burrows and relocation of over 50 gopher tortoises out of the project ROW. Provided daily FERC-required environmental monitoring on several spreads during the course of the project before and during active construction. Daily activities included coordinating with contractors and environmental inspectors, monitoring open trench areas for trapped wildlife, and conducting USFWS-required wildlife sweeps of areas immediately prior to construction for wildlife. Responsible for capturing and relocating any listed and non-listed wildlife species found in the active construction areas in accordance with applicable regulations and project policies. Submitted daily reports of all biomonitoring activities.

Environmental Inspector

AECOM | 2015–2016

Conducted pre-construction assessment walkthrough for 124-mile 30-inch natural gas pipeline in New York/Pennsylvania. Documented pre-construction status of wetlands, waterbodies, ag tracts, and other features likely to be impacted by construction.

Environmental Inspector

E3 Environmental | 2014–2015

Provided environmental inspection services for several crude oil pipeline projects in the Williston, ND area. Monitored contractor compliance with all environmental permit requirements, advised contractor on optimal methods of safeguarding and crossing wetlands and water bodies, controlling erosion, and stormwater management. Inspected and monitored the contractor's installation and maintenance of BMPs, erosion control devices, and environmental exclusion areas during construction. Provided environmental orientation for the contractor and other personnel associated with the project. Documented daily activities, incidents, and compliance issues for review.

Environmental Inspector

Olsson Associates | 2013–2014

DIEHLUX

Chris Winchester

Monitored contractor compliance with all environmental permit requirements for a 260-mile 24-inch crude oil pipeline project in Kansas/Oklahoma. Advised contractor on optimal methods of safeguarding and crossing wetlands and water bodies, controlling erosion, and stormwater management. Monitored contractor's installation and maintenance of BMPs, erosion control devices (ECDs), and environmental exclusion areas during construction. Coordinated project compliance with wildlife species protection measures, including bald eagle buffer zones, raptor nest surveys, and other environmental concerns and limitations. Inspected and monitored post-construction restoration and cleanup. Prepared daily field and other regulatory reports.

Environmental Inspector/Tortoise Monitor

SWCA | 2013

Provided during construction environmental inspection and endangered species surveys/monitoring for a 24-inch crude oil pipeline project located in southern Alabama/Mississippi. As a certified gopher tortoise biologist and biological monitor provided daily pre-activity clearance sweeps for tortoises and other listed species. Monitored

contractor compliance with all environmental requirements, including those related to erosion control, jurisdictional wetland and water body crossings, and stormwater management

Grasshopper Sparrow Survey Team Member

Earth Resources | 2011

Conducted nesting/activity surveys for state-threatened Florida Grasshopper Sparrow in accordance with state (Florida) protocols. Identified potential habitat, documented sightings and/or detections, and recorded locations using GPS.

Endangered Species Surveys / Construction Biomonitoring

Winchester Environmental Associates | 2010–2011

Provided management of endangered species and biological monitoring (several species) during the construction phase of the 420-mile Florida Gas Transmission Phase VIII Expansion Project in Alabama, and Florida. Provided comprehensive endangered species-specific surveys in accordance with USFWS and state survey protocols for several federally-listed endangered and threatened species, including Audubon's caracara, bald eagle, Eastern indigo snake, and gopher tortoise. Directed excavation of 500+ gopher tortoise burrows and relocation of over 300 gopher tortoises out of the project ROW. Provided daily FERC-required environmental monitoring on several spreads during the course of the project before and during active construction. Daily activities included coordinating with contractors and environmental inspectors, monitoring open trench areas for trapped wildlife, and conducting USFWS-required wildlife sweeps of areas immediately prior to construction for wildlife. Responsible for capturing and relocating any listed and non-listed wildlife species found in the active construction areas in accordance with applicable regulations and project policies. Submitted daily reports of all biomonitoring activities.

ACADEMIC/PROFESSIONAL/CLIENT REFERENCES:

DIEHLUX

Chris Winchester

Shannon Petty
Lead Environmental Inspector
801.657.9377
Spetty3736@msn.com

Ryan Ledin
Project Manager
612.868.9039
Ryan.ledin@erm.com

Matt Piescher
Lead Environmental Inspector
320.336.9303
Mpiescher19@gmail.com





HIGHLIGHTS

Familiar with requirements under the NYS article 7&10 permits.
Familiar with all aspects of pipeline construction
Familiar with composing and documenting daily reports
Communicates well with others
Builds and creates good teamwork
Strong work ethics to produce effectiveness and productive results for projects
Quick and visual learner
Good listener with proper decision making
Strong analytical skills
Environmental Training Quality Integrated Services
Environmental Training Cleveland Integrity Services
Environmental Training Accent-Compliance
Environmental Compliance Training Stantec

EDUCATION

G.A.R Memorial High School
2003

CERTIFICATIONS/LICENSES

New York State DEC 4-Hour Erosion and Sediment Control Training. Expires 7/2024

SPECIALIZED TRAINING:

Environmental Training Quality Integrated Services
Environmental Training Cleveland Integrity Services
Environmental Training Accent-Compliance
Environmental Compliance Training Stantec

SPECIALTIES

Proficient in Excel, Word, PowerPoint, and Outlook Software, Share Point
Focused, attention-to-detail oriented individual, with experience in both the clean energy and gas industries with both construction, utility, and environmental teams.

PROFESSIONAL EXPERIENCE

Lead Environmental Inspector

London Environmental LLC. Greenfield Center, NY 12833-0486

January 2022-Current

Worked on the South Fork Wind Project in East Hampton NY overseeing all phases of construction assuring all contractors involved stayed in compliance under all permits involved.

Conducted environmental training for all new hires.

Responsible for reviewing permits under the NYS article 7.

Responsible for communicating with NYS DPS, DEC and NYS Ag and Markets regarding any project related information.

Responsible for conducting daily inspections and composing weekly SWPPP reports assuring all construction activities stay in compliance with the article 7 permits.

Lead Environmental Inspector

Diehlux, LLC. Canandaigua, NY 14424.

October 4, 2021- October 16, 2021

Filled in for a 2 week period as a Lead Environmental Inspector on the Number Three Wind Farm Project in Lowville NY.

Responsible for reviewing permits under the NYS article 10.

Responsible for communicating with NYS DPS and NYS Ag and Markets regarding any project related information.

Responsible for conducting daily inspections and composing daily SWPPP reports assuring all construction activities stay in compliance with the article 10 permits.

Environmental Straw Boss

The Hillis Group. Easton, Pa

May 2021-Jan 2022

Working as a straw boss addressing punch list items on multiple Sunoco projects.

Responsible for hydroseeding areas of sparse vegetation.

Responsible for the removal of ECDs

Environmental Foreman

Universal Pioneers. Wilkes-Barre, Pa

January 2021-April 2021

Worked as a third party contractor for Rockford Corp installing ECDs on multiple Williams projects.

Responsible for assuring all ECDs were installed properly and per E&S drawings.

Environmental Inspector

Accent-Compliance LLC. Winnie, Texas

December 2017-August 2020

Responsible for inspecting pipeline project, maintaining compliance and environmental safety.

Responsible for adhering to local, state and federal regulations regarding Environmental Protection and Safety.

Responsible for oversight of all installation of ECD's.

Responsible for generating storm water reports for rainfall events as well as punch lists after rain events and oversaw environmental crews while punch list items were addressed.

Responsible for attending monthly inspections with local County Soil and Water Conservation Districts.

Responsible for attending monthly inspections with FERC.

Environmental Inspector

Cleveland Integrity Services, Inc. Cleveland, OK

June 2016-December 2017

Responsible for adhering to local, state and federal regulations regarding Environmental Protection and Safety.

Responsible for oversight of all installation of ECD's.

Worked with a team EI's tracking ECD installation footages per the contract guidelines.

Responsible for overseeing numerous foreign line crossings from an environmental perspective.

Worked with the restoration crews assuring proper contours are achieved. We also performed numerous walked throughs and kept logs of all items out of compliance and logs of corrective action photos.

Responsible for generating storm water reports for rainfall events as well as punch lists after rain events and oversaw environmental crews while punch list items were addressed.

Inspected over the environmental crew during the restoration of wetlands and water bodies and all aspects of environmental work on the project.

Environmental Inspector

Quality Integrated Services, Guymon, OK

August 2014- May 2016

Responsible for adhering to local, state and federal regulations regarding Environmental Protection and Safety.

Ensured and oversaw installation of all ECDs prior to projects kicking off and that all ECDs were maintained throughout entire project

Responsible for generating storm water reports for rainfall events as well as punch lists after rain events and oversaw environmental crews while punch list items were addressed.

Assisted in weekly inspections from a compliance standpoint, worked directly with

construction and the contractor to abide to the permit stipulations.

Pipeline Straw boss -Right of Way, Ditch, Tie Ins, Environmental, Pad and Back Fill, and Hydro Testing

Rockford Corporation, Tempe, AZ

April 2013-August 2014

Followed through with competent execution of project plans by providing proper tools and equipment to all constructions personnel.

Accurately provided status information on project progress to the project management.

Laid out ditch lines for excavation.

Supported blasters for blasting of rock for ROW and Ditch.

Installed ECD's such as silt fence, silt sock, and straw bales.

Coated welds after completion of welding.

Rigged pipe for lowering in.

Built breakers in the ditch after lowering in for environmental purposes.

Completely restored pipelines for final clean up.

Took part in installation of fabrications.

Worked in all aspects of hydro testing such as watering, dewatering, and cleaning of pipe.

Utility Inspector

BJ Inspection, Westfield, PA

October 2012-April 2013

Responsible for adhering to local, state and federal regulations regarding Environmental Protection and Safety.

Responsible for overseeing excavation for the ditch.

Responsible for ensuring all construction activities complied with all project specifications.

Responsible for overseeing stringing of pipe.

Responsible for overseeing bending of pipe.

Responsible for upholding the safest work environment possible for all workers.

Pipeline Straw boss -Right of Way, Ditch, Tie Ins, Environmental, Pad and Back Fill, and Hydro Testing

Rockford Corporation, Tempe, AZ

July 2011-October 2012

Followed through with competent execution of project plans by providing proper tools and equipment to all constructions personnel.

Accurately provided status information on project progress to the project management.

Laid out ditch lines for excavation.

Supported blasters for blasting of rock for ROW and Ditch.

Installed ECD's such as silt fence, silt sock, and straw bales.

Coated welds after completion of welding.

Rigged pipe for lowering in.

Built breakers in the ditch after lowering in for environmental purposes.

Completely restored pipelines for final clean up.

Took part in installation of fabrications.

Worked in all aspects of hydro testing such as watering, dewatering, and cleaning of pipe.

Union Laborer

Sordoni Construction Services, Forty Fort, PA
March 2010-July 2011
Performed basic construction.
Supported carpenters.
Set forms for concrete placement.
Placed concrete.

Concrete Finisher

Lithko Contracting, Allentown, PA
February 2007-March 2010
Prepped equipment for placement and finishing of concrete.
Set forms for placement of concrete.
Placed and finished concrete.
Ran power trowels for finishing concrete.
Performed overall concrete construction duties.

Concrete Laborer

Latcon Inc, Pittston, PA
March 2004-February 2007
Performed basic construction.
Placed and finished concrete.
Performed basic maintenance on equipment.

References are available upon request.





JOHN H. RODGERS



Environmental professional specializing in the analysis of environmental impacts associated with development projects and alternatives to design limitations. Expertise in environmental field services, route analysis, permitting and consulting, natural resource data collection, and construction compliance. Responsibilities have included the following positions:

Environmental Supervisor, Coordinator & Team Leader
Environmental Advisor and Route Development Field Engineer
Environmental Inspector, Scientist and Specialist

Education & Training

- BS Geology, The College of William and Mary, 1985
- AAS Marine Technology, Cape Fear Technical Institute, 1979
- Wetland Ecology, University of North Carolina at Wilmington, 1986
- FERC Environmental Report Preparation and Post-Certificate Compliance Certification 1998, 2013, 2016, Presenter 1999
- Management & Style, Harvard University, 1995
- NYSDEC Erosion and Sediment Control Certification, 2012
- MTDEQ - Qualified Compliance Inspector of Stormwater \ QCIS – 2023
- MTDEQ - Qualified Stormwater Preparer of Pollution Prevention Plans \ QSWPPP – 2023

Field Services Supervision & Project Permitting

Field Supervisor with experience providing leadership, skills, training, and education in the area of environmental services. Integral member of management teams with direct consultation to project clients on impacts to natural resources associated with development projects, the possible consequences to project plans, and into environmental permitting and FERC (7c) permit process.

Route Analysis & Land Use

Engineering and environmental analysis of proposed land use and environmental impacts associated with numerous construction projects including natural gas pipelines and facilities build, fiber optic cable installation, roadways and commercial development. Implemented strategies and solutions based on field data and engineering reports regarding projected environmental impacts, natural resource mapping, and survey data. Provided client representatives with specific knowledge about environmental conditions and best practical alternatives to final design plans and relevant permit applications.

Construction Monitoring & Environmental Surveys

Responsible for field supervision and coordination of environmental inspection teams throughout construction phase of projects, including FERC & BLM regulated projects nationwide. Areas of oversight included pre-construction survey coordination, bio monitoring, development of environmental inspection programs and reporting systems, in addition to compliance inspection during large development projects. Senior Advisor providing recommendations to the project management team on economically feasible alternatives to construction constraints while maintaining regulatory compliance and adhering to production schedules.

Training

Developed and presented professional training courses for wetland delineations and pipeline environmental inspections. This training program effectively educated and trained natural gas pipeline personnel, field scientists and university personnel in wetland delineations. Designer of program literature that included a worker's handbook, permit reference manuals, and slide presentation for regulatory agencies, project and construction personnel. Lead presenter on environmental compliance at the FERC Post Certificate Compliance Seminar.

Experience

2018/present – TC Energy KXL Pipeline Senior Environmental Project Manager, (TX, OK, KS, NE, SD, ND, MT) Environmental compliance, and pre-construction support for pipeline projects. Assist with routing, planning, permitting, training, and field environmental compliance. Provide guidance and understanding to regulatory permitting staff and client on practical field applications on pipeline construction as it relates to environmental conditions and constraints. Meet with client representative for review and consultations, interact with engineering and construction personnel, and attend state and federal regulatory agency and landowner meetings. Current assignment as Lead Field Environmental Compliance Manager (Chief EI) for the environmental inspection team on the KXL Pipeline based in the field. Develop inspection program, recruit, and hire environmental inspectors, provide supervision, training, and guidance to the present EI personnel of fourteen (14) and interact with chief inspectors and construction managers on the 836-mile mainline and all associated facilities.

2018 – Millennium Pipeline – Lead Environmental Inspector (NY), Environmental in support of construction management for the construction of highly controversial Valley Lateral Project that is being built to supply gas to regional CPV Power Plant. This FERC project that has been started without NYDEC approvals and permits due to unprecedented court rulings. Role is to provide guidance on environmental permit conditions, environmental awareness training, interact with oversight inspectors (Storm Water Inspections) and to be available for regulatory (FERC) inspections.

2017 – DTE Energy – Lead Environmental Inspector (WV), lead field team in the review and walk over of the Stonewall Gas Gathering & AGS Systems for restoration and close out surveys over approximately 150 miles and through 5 counties. Provide guidance to company representative based on walk over's on restoration completion and the need for any maintenance and repair in areas of slip, slump and slope failure occurrence as well as any erosion control issues. Responsibilities include completing bi-weekly and storm event storm water inspections.

2016 – Energy Transfer Blue Bayou Hydro test (LA) Construction environmental support during the excavation, rehabilitation, and hydro test of existing Florida Gas pipeline through southern Louisiana. Interact; provide guidance, and field environmental inspection of company construction contractor.

2015 – Kinder Morgan NED Project (NY, MA) Construction Support, provide field reconnaissance to construction and project managers on the Northeast Energy Direct (NED) project. Responsibilities included reviewing 90 miles of proposed 30" pipeline in New York and Massachusetts. Interpret aerial maps and walk route to assess impacts and design changes that may occur at wetland, water body and road crossings, lay out workspace and provide advice on difficult area crossings for FERC 7(c) filing process.

2014 – Columbia Gas Leach Xpress Project (OH, WV) Routing Engineer, work with desktop route for field verification on the Leach Express mainline pipeline and lateral. Understand the construction process and landscape to verify route and/or develop and plot reroutes, extra workspace and provide guidance on difficult area crossings on 156 miles of 36-42" diameter pipeline.

2013 – Millennium Pipeline Hancock Compressor Station (NY) Lead Environmental Inspector, acted as environmental inspector on FERC Certificated project during winter construction of gas facility build in Catskill Mountains.

2013 - Columbia Gas MBE Replacement Project (MD) Lead Environmental Inspector for FERC certificated replacement of 26" gas pipeline. Provide support to construction crews during work in Howard County, MD.

2012 – 2013 Millennium Pipeline Minisink Compressor Station (NY) Lead Environmental Inspector, acted as environmental inspector on FERC Certificated project that was highly controversial and included several weeks of public demonstrations as well as difficult wet and winter construction.

2011-2012 Access Midstream Partners Gathering Line (PA) Senior Environmental Advisor, develop and implement environmental inspection team and advise gas-company representatives during construction of gathering line system. Provide leadership as environmental supervisor to 3 Lead Inspectors and 12 environmental inspectors.

2010 – 2011 TransCanada Bison Pipeline Project (MT, ND) Third Party Compliance Monitor, FERC Compliance Monitor Spreads 3-4, (75 miles) during construction of 36" diameter natural gas pipeline.

2009 – 2010 El Paso Energy Ruby Pipeline Project (WY, UT, NV, CA, OR) Environmental Inspection Team Lead,

recruit and place 25 environmental inspectors. Develop and implement environmental inspection program and reporting system for proposed 671-mile large diameter pipeline construction project.

2008 – 2009 TransCanada Bison Pipeline Project (WY, MT, ND) Environmental Advisor, provide advice and recommendation to TCPL and field engineers on environmental constraints and most feasible alternative for construction during route and reroute selection.

2007 – 2008 TransWestern Phoenix Expansion Pipeline Project, (AZ, NM) Environmental Inspection Team Coordinator, responsibilities included the supervision and management of environmental inspection team and reporting program during construction of 235 miles of large diameter pipeline.

2006 – 2007 Oneok Overland Pass Pipeline Project (WY) Third Party Compliance Monitor BLM-USFS Compliance monitor Spread 1, Opal WY to Wamsuter, WY (135 miles) during construction of small diameter propane gas pipeline.

2006 Kinder Morgan Rockies Express West Pipeline Project (CO, NE, MO) Environmental Inspection Team Coordinator, responsibilities included the filing of variance requests, weekly FERC reporting and supervision and management of the environmental inspection team during construction of 715 miles of large diameter pipeline.

2001 – 2005 NYS Real Estate Agent (NY), Successful real estate agent in the “The Hamptons”, what is considered one of the most demanding and competitive real estate markets in the world.

2000 – 2001 Kern River Gas Transmission Phase II Planning & Design Environmental Advisor (UT, NV, CA), Worked in Houston office of engineering design firm and provided side and steep slope analysis for ECD placement as well coordination with field engineer on water body crossings.

1999- 2000 Williams Communication F.O.C. Installation (CA) Lead Field Inspection and Bio-monitoring Supervisor. Provided guidance to field teams during construction and installation of fiber optic cable in coastal to interior plains environments of California.

1997 –1999 Gulfstream Natural Gas System Pipeline (AL-FL) Environmental Survey Team & Biological Monitoring Coordinator, responsible for biological field data collection for 5 teams and assistance with the FERC application process at the design and routing phase of project.

1997 El Paso Natural Gas Market Link Pipeline Design and Planning (PA-NJ) Lead Environmental Survey Crew Coordinator, Field Team Lead of 3 teams in the data collection effort for pipeline design: route selection and FERC permit application.

1996 ESNG Delaware City Compressor Station and Pipeline (DE) Environmental Inspector. Responsibilities included interpreting FERC and state regulations to the construction contractor and acting as company representative during construction of compressor station site and installation of 5 miles of small diameter pipeline.

1994 – 1996 Portland Natural Gas Transmission Pipeline (ME, NH, VT) Environmental Survey Team Leader and Lead Monitor. Lead Field Survey Crew Coordinator during field surveys, lead team through various ecological systems for data collection during planning & design phase, provided assistance on FERC permitting tasks.

1986 – 1994 Field Biologist/Environmental Scientist (NC, SC, VA, MD,) conducted wetland delineations for residential, commercial, and industrial clients. Responsibilities included field data collection and inclusion in the permitting process. Act as client representative in meetings with regulatory agencies engineering and environmental teams in completing and filing permit applications.



HIGHLIGHTS

With a diverse background in work, education, and travel she brings a wide array of skills, and experience. She has over ten years working as an Environmental Compliance Inspector, along with five years of cultural resources compliance work. She also has four years of agricultural compliance along with being born and raised on a dairy farm.

EDUCATION:

State University of New York College at Buffalo, Buffalo, NY

Bachelor of Arts, Anthropology & Archaeology, Sept, 2005 Minor: Environmental Studies

- * Rotary International Exchange Student. Bhavnagar, Gujarat, India. 1999-2000
- * Study Abroad: Bogaziçi University. Archaeology. Istanbul, Turkey. 2002-2003
- * Study Abroad: American University in Cairo. Egyptology. Cairo, Egypt. 2003-2004
- * Excellence in Religious Diversity Studies, Deans List, Golden Key International Honor Society 2001-2002

CERTIFICATIONS/LICENSES:

- * 2022 **NYS Real Estate** Salesperson License. #10401263521 TLC Real Estate
- * 2020 **Erosion and Sediment Control Training Certification**. NYS Department of Environmental Conservation SWT # 060T-3062020-109
- * 2019 **API 1169** Certification. Pipeline Construction Inspector. Certification #90004
- * 2019 CPR AED/First Aid/Bloodborne Pathogens-American Heart Association
- * 2018 Recreational Off- Highway Vehicle Association Certification
- * 2017 **DCNR** ATV Safety Course
- * 2016 Association of State Wetland Managers. Ongoing continuing education
- * 2016 **OSHA 10** Certification
- * 2015 **FERC** Certification. Section 106 and Tribal Consultation Workshop for FERC Jurisdictional Natural Gas Projects
- * 2015 **FERC** Certificate of Completion. Environmental Review and Compliance for Natural Gas Facilities Seminar
- * 2015 **NYDEC**. Protecting NY's Natural Resources with Better Construction Site Management Certification. SWT #52T-032415-27
- * 2013-12 **Highlands University**. Rio Rancho, NM. M.A. School Counseling.
- * 2011 **ECOSA/Prescott College. Regenerative Ecological Design Master's Certification Program**. Prescott, AZ
- * 2010 **NACE International**. Coating Inspection Program. Level 1 Certificate. Houston, TX, USA. Cert. #31232. 01/31/23
- * 2009 **Santa Fe Community College**. Santa Fe, NM. Film Crew, Textiles, & Design
- * 2009 **OSHA IATSE** Studio Mechanics Local 480 Safety Passport Training Program-Santa Fe Film Crew
- * 2006 **Wilderness First Responder**-First Lead
- * 2006 Colorado Outdoor Training Initiative Ecological Crew Leader Training
- * 2004 Open Water Diver **PADI** Certification- Sinai Divers

SPECIALTIES

- * Field experience in archaeological Phase I, II, III historical review, survey, shovel testing, and excavation
- * Field experience in leading archaeological, and biological surveys
- * Experienced in reading and interpreting written material including technical documents, data, laws, and regulations
- * Experience in designing, event planning, construction, and budgeting
- * Experienced in the art of photography
- * Experience with using handheld GPS Trimble unit and Garmin unit, Microsoft Word, Microsoft Publisher, Word Press, Adobe Photo Shop, Excel, and Microsoft Access
- * Experienced with performing duties as lead of large-scale bulk transmission and gas pipeline projects
- * Experienced with presenting to the public and interest groups
- * Field experience in plant ecology and botany
- * Languages studied: Hindi, Turkish, Arabic, Spanish
- * Experienced in everyday use of compass, topographical maps, ATVs, off-road driving and hiking 14+ miles in adverse terrain
- * Experienced in outdoor leadership in the hospitality industry leading backpacking trips in the Adirondacks, catering to tourists on sailing trips off the coast of Turkey, assisting with Elderhostel group tours in Chaco Culture National Historical Park, and co-leading biking trips through Boston and Cape Code with Hosteling International
- * Experienced in travel logistics throughout Africa, Asia, Europe, Middle East, UK, North, and South America
- * Experienced in leading outdoor trips and adventure programming consisting of backpacking, camping, canoeing, kayaking, and biking
- * Experienced in daily operations on family dairy farm-milking, calving, crop work, feeding, and cleaning
- * Experienced in landscaping, gardening, and painting services

VOLUNTEER WORK

2006-05 Four Corners School of Outdoor Education. AmeriCorps VISTA Logistics Coordinator for the Canyon Country Youth Corps/Southwest Ed-Ventures/Elderhostel Assistant Trip Leader. Monticello, UT

- * Co-led an eight-week conservation crew geared to promoting outdoor leadership skills to Navajo youth.
- * Projects consisted of trail and fence construction and maintenance, wildlife habitat inventory and improvements, wetlands rehabilitation, fire fuels reduction, tamarisk removal, rock work, eco-restoration and education while working in a remote environment camping and living under primitive conditions.
- * Purchasing, ordering, packing supplies for crews.
- * Managed program logistics, equipment repair, inventory, and created sustainable food menus.
- * Assisted Program Manager during winter and spring season at high school events that included educational activities, recruitment and interviewing candidates.
- * Assisted in working with local land managers to conduct site visits of work projects, camping areas and other pre-program logistics.
- * Colorado Outdoor Training Initiative Ecological Crew Leader Training Workshop.
- * Experience in land management, restoration, & trail work.
- * Assistant guide at Elderhostel trip at *Chaco Canyon National Park* tasks included food prep, shuttling, camp maintenance and guest entertainment.

2005 Teen Treks-Hosteling International USA. Bike Leader. Buffalo, NY

- * Co-led teen bike trip through Cape Cod, MA.

PROFESSIONAL EXPERIENCE

2023-20 TRC Companies Inc. Lead Environmental Inspector/Agricultural Inspector. Canton, NY ***New York Power Authority Moses-Adirondack Smart Path Reliability Project Article VII***

- * Ensured compliance with the Article VII Application, Certificate Conditions, Environmental Management and Construction Plan (EM&CP), Threatened and Endangered Species Regulations and project specific appendices, Spill Prevention Control and Countermeasure (SPCC), United State Army Corps of Engineers Section 404 Permit, and the project's Storm Water Pollution Prevention Plans (SWPPPs).
- * Conducted site compliance inspections with New York State Department of Public Service (DPS), New York State Department of Environmental Conservation (DEC), New York State Department of Agriculture and Markets (AGM), project contractors, construction supervisors, and the New York Power Authority project team personnel.
- * Monitored all construction activities, including tree clearing, access road improvements and new installations, structure removals, new structure installations, conductor stringing, SWPPP inspections, sweeps for threatened and endangered species presence, installation and maintenance of erosion controls.
- * Oversaw project construction, restoration, and monitoring in agricultural areas. Served as the agricultural point of contact and acted as a liaison between landowners, project construction personnel, and AGM Staff regarding agriculture-related matters for the project.
- * Ensured compliance with AGM regulations and guidelines, agricultural restoration plans, and drain tile repair in consultation with the agricultural producers. Regularly meet with agricultural producers and notified landowners about project updates.
- * Performed penetrometer testing in agricultural resources to assess the need for decompaction.
- * Created daily punch-lists, agricultural landowner notes, and documented first, second, and third growing seasons for post construction monitoring in agricultural resource areas.
- * Supervised multiple monitors, including Environmental and Threatened and Endangered Species Monitors.
- * Coordinated with DEC Spill Response Agents on all project related reportable spills and issuance of spill tickets.
- * Created and maintained multiple project progress tracking documents to identify issues and deficiencies to assist in project progress and conformance with all required permits.

2020-19 Meridian Construction Consulting. Horizontal Directional Drill Environmental Inspector. Raleigh, NC ***Dominion Energy M-68***

- * Monitored horizontal directional drill (HDD) construction crews on Beaver and Little Beaver Creek.

2019 Cleveland Inspection Services. Utility/Senior Environmental Inspector. Springville, PA ***Williams White Creek Well Connect***

- * Monitored construction crews for the Pennsylvania Department of Environmental Protection White Creek Stream restoration, and Kassam sinkhole repair.

2019 Wood Group. Senior Environmental Inspector/Cultural Resource Compliance Inspector. Rocksprings, TX ***Phillips 66 Gray Oak Pipeline Spread 3***

- * Performed archaeological monitoring during earth disturbance activities.
- * Monitored HDD operations, sampled drill mud, and well water for potential contamination.
- * Performed weekly SWPPPs and daily inspection reports.

- * Ensured appropriate implementation of and compliance with project-specific soil management plans, Storm Water Pollution Prevention Plans, Remedial Action Plans, and other required environmental plans.
- * Interacted with all applicable environmental agencies and Owner's environmental staff to assure compliance with all environmental regulations, with an emphasis on proper handling of soils and contaminated materials during construction, performing work in or adjacent to wetlands and natural resource areas, and instituting erosion control plans.
- * Monitored all phases of construction to ensure compliance with environmental permits. Worked closely with Project Managers and Superintendents, as well as other field staff, to ensure project staff understand the requirements of all state, federal, and local environmental regulations, as well as all project-specific environmental requirements.

**2018-19 Quality Integrated Services. Lead Environmental Inspector. Mobley, WV
EQT/Mountain Valley Pipeline Bradshaw Compressor Station/Mobley Interconnect**

- * Performed environmental training of new construction personnel throughout the project as needed, to ensure project staff has complete understanding of environmental requirements of the project for the Mountain Valley Pipeline Project.
- * Monitored and documented construction crews to ensure compliance with West Virginia Department Environmental Program (DEP) environmental project specifications, Federal Energy Regulatory Commission (FERC) Procedures, SPCC regulations, and SWPPP inspections.
- * Assured that erosion and sedimentation control measures were installed and maintained.
- * Compiled weekly punch-lists, FERC reports, and daily monitoring reports with photo documentation.
- * Assisted in FERC, DEP, and environmental engineer inspections throughout sites.
- * Ensured appropriate implementation of and compliance with project-specific soil management plans, Storm Water Pollution Prevention Plans, Remedial Action Plans, and other required environmental plans.
- * Interacted with all applicable environmental agencies and Owner's environmental staff to assure compliance with all environmental regulations, with an emphasis on proper handling of soils and contaminated materials during construction, performing work in or adjacent to wetlands and natural resource areas, and instituting erosion control plans.

**2018-17 Accent Compliance. Assistant Lead Environmental Inspector. Tunkhannock, PA
Williams Atlantic Sunrise Pipeline Spread 1**

- * Performed environmental training of new construction personnel throughout the project as needed, to ensure project staff has complete understanding of environmental requirements of the project.
- * Tracked daily progress for permit reporting purposes on master tracking log, and documented minor changes.
- * Monitored construction of Compressor Station 605, Springville Meter Station, and observed HDD construction activities at Susquehanna River entry/exit points.

**2017 SWCA Environmental Consultants. Agriculture/Environmental Inspector. Ashland, OH
Kinder Morgan Utopia Line Spread 2 & 3**

- * Monitored and documented construction crews to ensure compliance with environmental project specifications.
- * Inspected and recorded agricultural drain tile restoration and followed permits regarding agricultural mitigation plans.

2017-16 Cleveland Inspection Services. Environmental Inspector. Parlin, NJ
Williams/Transco New York Bay Expansion Project Station 207

- * Monitored and documented construction crews to ensure compliance with New Jersey Department of Environmental Protection (DEP) environmental project specifications, FERC Procedures, SPCC regulations, and SWPPP inspections.
- * Inspected and recorded utility activities, prepared daily reports, and performed environmental training of new construction personnel.
- * Assisted in FERC, DEP, and engineer inspections throughout sites.

2016 Tulsa Inspection Resources. Environmental Inspector. Brush, CO
Magellan Midstream Saddlehorn Pipeline Spread 1

- * Monitored and documented all phases of construction to ensure compliance with environmental permits.

2015 Quality Integrated Services. Environmental/Utility Inspector. Tunkhannock, PA
Williams Diaz, Lambert Pipeline Well Connects

- * Monitored and documented construction crews to ensure compliance with DEP environmental project specifications.
- * Assured that erosion and sedimentation control measures were installed and maintained throughout all phases of construction.
- * Performed weekly SWPPPs, punch-lists, and daily reports with photo documentation.
- * Monitored crossing of water bodies, and photo documentation before, during, and after construction and restoration.
- * Inspected right-of-way (ROW) restoration, installed signage and environmental flagging, and reported spills.
- * Inspected and recorded utility activities.

2015 Haley & Aldrich. Environmental Inspector. Springville, NY; Tioga, PA
National Fuel Concord Compressor Station & National Fuel Empire Tuscarora Lateral Pipeline

- * Monitored and documented construction crews to ensure compliance with NYSDEC environmental project specifications, FERC procedures, SPCC regulations, and SWPPP inspections.
- * Ensured that environmental requirements in landowner easement agreements were implemented.
- * Verified that the limits of authorized construction work areas and locations of access roads were properly marked before clearing.
- * Verified the location of signs and visible flagging marking the boundaries of sensitive resource areas, and waterbodies.
- * Identified erosion and sediment and soil stabilization needs in all areas.
- * Verified that trench dewatering activities did not result in the deposition of sediment near the point of discharge into a waterbody.
- * Advised project management when weather conditions made it advisable to restrict construction activities to avoid excessive rutting.
- * Ensured restoration of contours and topsoil.
- * Ensured that erosion controls were properly installed to prevent sediment flow into wetlands, waterbodies, sensitive areas, and roads.
- * Ensured compliance with NYSDEC State Pollution Discharge Elimination System (SPDES) General Permit for Stormwater Discharge from construction activities.
- * Inspected and ensured maintenance of temporary erosion control measures daily in active construction areas, weekly in areas with no construction, and within 24 hours of 0.5 inch of rainfall.
- * Ensured the repair of all ineffective erosion control measures within 24 hours of identification.
- * Identified, documented, and monitored corrective actions, to bring activities back into compliance.

2014-13 Tetra Tech/EnSite. Environmental Inspector. Towanda, PA
Access Midstream Marcellus Gathering System - Allen, Orange Hill, Quarry, Callear, Babcock, Fisher, Champluvier, Brigham, Wesauking, Borek, Rosalie, Cuthbertson, Alexander, SJW/ELY, Corl2, Penecale, Vandemark, Burkmont Farms, Roland, Crane, Hornbrook, Litchfield, Struble, Rossi Gathering Lines

- * Managed and documented construction crews to ensure compliance with DEP environmental project specifications, National Environmental Policy Act (NEPA), SPCC regulations, and post-construction restoration close-outs.
- * Assisted in engineer walks for assessment in vegetation growth, and permanent stabilization for permit close-outs for ESCGP-1 (Erosion and Sediment Control General Permit) & PASPG-4 (Clean Water Act, Section 404), as well as weekly punch-list and SWPPP inspections in Bradford, Sullivan, Susquehanna, Lycoming, and Wyoming counties in Northeastern PA.
- * Assured that adequate erosion and sediment control measures were installed during construction and removed after 70% vegetation growth.

2013-12 Bighorn Technical. Environmental Utility Inspector. Newcastle, WY
ONEOK Bakken NGL Pipeline Spread 3/3x

- * Managed and documented environmental construction crews to ensure compliance with ONEOK's environmental and safety project specifications, NEPA, spill prevention control, and countermeasure SPCC regulations.
- * Inspected, maintained, and documented proper installation of erosion control devices, along with reporting and documenting spills.
- * Assured that erosion and sedimentation control measures were installed and maintained.
- * Utility inspection of construction crews for padding, backfilling, and lowering-in pipeline.

2012 AECOM. Cultural Resources Compliance Inspector. Blythe, CA
NextEra Energy Resources Genesis Solar Project

- * Performed archaeological monitoring during earth disturbance activities.
- * Maintained daily reports, identified and collected artifacts.
- * Worked with Native American Tribal monitor representatives, and construction foreman to ensure compliance with state and federal archeological regulations throughout all phases of construction.

2011-10 Environmental Planning Group. Cultural Resource Compliance Inspector. Lakeview, OR
Kinder Morgan Ruby Pipeline Spread 6/7

- * Performed archaeological monitoring during earth disturbance activities.
- * Maintained daily reports, identified and collected artifacts.
- * Worked with Native American Tribal monitor representatives, and construction foreman to ensure compliance with state and federal archeological regulations throughout all phases of construction.

2010 ACR Consultants, Inc. Cultural Resource Compliance Inspector. Gillette, WY
TransCanada Bison Pipeline Spread 6

- * Performed archaeological monitoring during earth disturbance activities.
- * Maintained daily reports, identified and collected artifacts.
- * Worked with Native American Tribal monitor representatives, and construction foreman to ensure compliance with state and federal archeological regulations throughout all phases of construction.

2010 Science Applications International Corporation. Field Archaeologist. Yuma, AZ
Marine Corps Air Station

- * Archeological pedestrian transects survey and site recording.
- * Maintained daily reports, identified and collected artifacts.

2009 Valles Caldera National Preserve. Social Scientist. GS-05. Jemez Springs, NM

- * Archeological transect survey, site recording, data analysis, data entry, excavation, shovel testing and monitoring Maintained daily reports, identified and collected artifacts.
- * Everyday use of a compass, topographical maps, GPS units, and hiking 14+ miles in adverse weather and terrain.

2008 Abajo Archaeology. Archaeologist. Apex, AZ

- * Archeological transect survey, site recording, data analysis, data entry, excavation, shovel testing and monitoring Maintained daily reports, identified and collected artifacts.
- * Everyday use of a compass, topographical maps, GPS units, and hiking 14+ miles in adverse weather and terrain.

2008 Grasslands Consulting. Biologist/Environmental Inspector. Vernal, UT

- * Survey and monitoring for Wonsits 3D Seismic Uinta Basin Hookless Cactus Project.

2008 Western Biota. Biologist/Environmental Inspector. Vernal, UT

- * Pipeline/Powerline endangered Sclerocactus survey, recording, monitoring, AnaDarko/Questar Uintah County, UT.
- * XTO energy spill prevention, control, and SPCC well pad drawings, Visio computer drawings, inputs, and scanning.
- * Peregrine Falcon and Bald Eagle roosting monitor.

2008-06 Montgomery Archaeological Consultants. Crew Chief/Archaeologist. Moab, UT

- * Everyday use of a compass, topographical maps, GPS units, and hiking 14+ miles in adverse weather and terrain.
- * Kerr McGee, Questar, QGM, IXP Pipeline Monitoring Projects Uintah/Duchesne County, UT. Pipeline and well pad surveys.
- * Archeological transect survey for the following energy companies: Bill Barrette, Kerr McGee, AnaDarko, Newfield, UDOT, DWR Emory/Grand/San Juan /Uintah County, UT.
- * Archeological seismic surveys for Questar/Running Foxes, Uintah/Grand County, UT.
- * Utah Department of Transportation (UDOT) Excavations Uintah/Grand County, UT.
- * Performed Phase I (Identification- historical research, environmental context review, and field inspection), Phase II (Evaluation-survey, shovel test pits (STPs) with larger test units, such as 1-x-1-meter excavation blocks) in order to collect enough archaeological data to evaluate the National Register eligibility of an identified site, and Phase III (Mitigation/Data Recovery/Excavation) investigations.
- * Everyday use of compass, topographical maps, GPS units, ATVs, off-road driving and hiking 14+ miles in adverse terrain.
- * Site recordation including site photography, artifact sketching, Intermountain antiquities computer system site form completion (IMACS), site mapping using a Trimble XHT, handheld GPS receiver, in field lithic debitage analysis in Beaver/Duchesne/Emory/Grand/San Juan/Uintah County, UT 06,07,08
- * Prehistoric sites include archaic, formative, lithic scatters, temporary camps, ground-stone scatters, and quarry sites. Historic sites include early to mid-20th century can scatters, temporary camps, corrals, and cairns.

HONORS AND AWARDS

- * Editor's Choice Award. Enigma Magazine. Cairo, Egypt. 2014
- * Top 10 Hoffman's Architecture Photography 2014

ACADEMIC/PROFESSIONAL/CLIENT REFERENCES:

Megan Hayes: Senior Permitting Manager
Phone: 510-381-3263
Email: megan.hayes777@gmail.com

Richard Houk: Lead Compliance Manager
Phone: 720-384-3981
Email: rjh@epconpartners.com

Brad Higgins: Construction Manager
Phone: 570-687-8140
Email: brad.higgins@williams.com

Seth Frame: GIS Manager
Phone: 307-752-5292
Email: sframe938@gmail.com

