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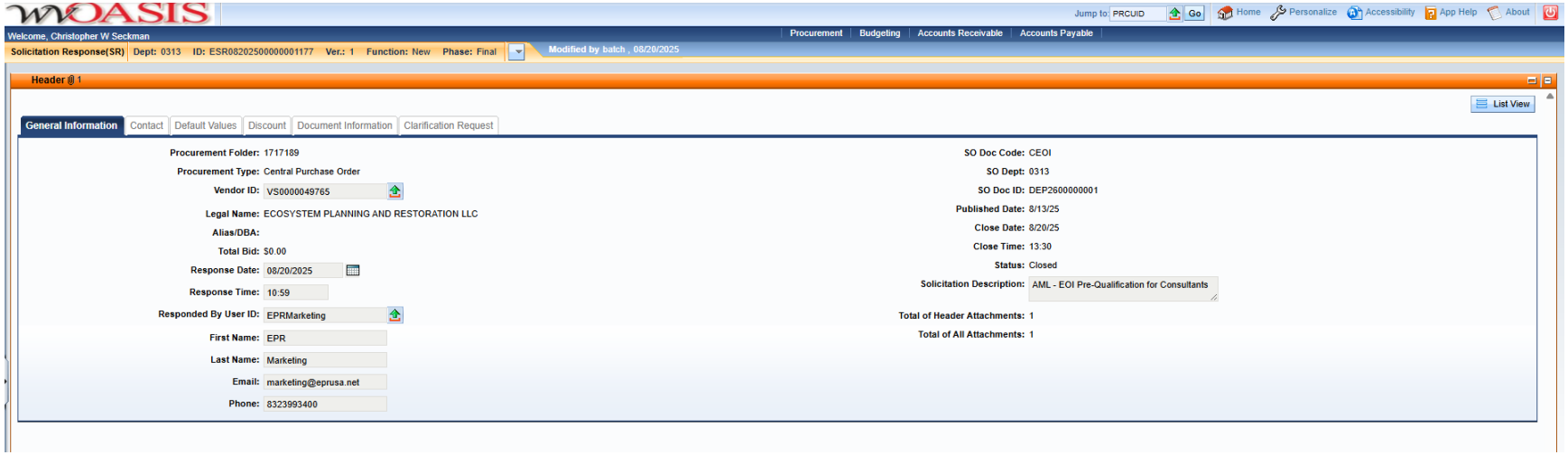
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Welcome, Christopher W Seckman
Procurement | Budgeting | Accounts Receivable | Accounts Payable
Solicitation Response(SR) Dept: 0313 ID: ESR08202500000001177 Ver.: 1 Function: New Phase: Final
Modified by batch , 08/20/2025
Header 1
List View
General Information
Contact
Default Values
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Document Information
Clarification Request
Procurement Folder: 1717189
Procurement Type: Central Purchase Order
Vendor ID: VS0000049765
Legal Name: ECOSYSTEM PLANNING AND RESTORATION LLC
Alias/DBA:
Total Bid: $0.00
Response Date: 08/20/2025
Response Time: 10:59
Responded By User ID: EPRMarketing
First Name: EPR
Last Name: Marketing
Email: marketing@eprusa.net
Phone: 8323993400
SO Doc Code: CEOI
SO Dept: 0313
SO Doc ID: DEP2600000001
Published Date: 8/13/25
Close Date: 8/20/25
Close Time: 13:30
Status: Closed
Solicitation Description: AML - EOI Pre-Qualification for Consultants
Total of Header Attachments: 1
Total of All Attachments: 1

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

State of West Virginia
Solicitation Response

Proc Folder:	1717189
Solicitation Description:	AML - EOI Pre-Qualification for Consultants
Proc Type:	Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-08-20 13:30	SR 0313 ESR08202500000001177	1

VENDOR

VS0000049765
ECOSYSTEM PLANNING AND RESTORATION LLC

Solicitation Number: CEOI 0313 DEP2600000001

Total Bid: 0 **Response Date:** 2025-08-20 **Response Time:** 10:59:08

Comments:

FOR INFORMATION CONTACT THE BUYER
Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

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

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI Engineering Design Services				0.00

Comm Code	Manufacturer	Specification	Model #
81100000			

Commodity Line Comments:

Extended Description:

EOI Engineering Design Services

August 20, 2025

Ecosystem Planning and Restoration
204 Stone Ridge Boulevard
Asheville, NC 28804
828-959-5592

Expression of Interest (EOI) – Engineering Design Services for WVDEP Division of Land Restoration – Office of Mine Lands and Reclamation (DLR-AML)

PREPARED FOR:
WVDEP-DLR-AML
ATTN:
Josh Hager : Joseph.E.HagerIII@wv.gov

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EPR Expression of Interest (EOI)

FOR ENGINEERING DESIGN SERVICES FOR WVDEP-DLR-AML

SECTION A – LETTER OF INTEREST

August 20, 2025

Josh Hager
Procurement Manager
Buncombe County

RE: Pre-Qualification of Design Firms for Engineering Design Services for WVDEP-DLR-AML

Dear Mr. Hager,

Why should WVDEP-DLR-AML select EPR for full service engineering design services for reclamation projects?

> *EPR provides the Office of Abandoned Mine Land Reclamation with a passionate team of environmental professionals with a national resume of stream restoration experience, including for mine reclamation projects. Our focus is on innovative solutions, constant improvement, and building strong client relationships. We use our experience to develop practical solutions that minimize costs without sacrificing quality.*

Please accept this letter as our Letter of Interest in being selected to provide full service engineering design services for mine reclamation projects for WVDEP-DLR-AML.

Founded in the fall of 2012, Ecosystem Planning and Restoration (EPR) is a small company with a big presence and a singular mission – to inspire passion for the environment. The Founders of EPR each worked for larger companies in the past and independently reached the same conclusion – that we can better serve our client's needs as a small company that values our employee's passions, focuses on teamwork and shared experiences, and builds lasting relationships. We want our employees to be passionate about their jobs and making a difference in our world. We want to work for clients that believe in practical solutions that find balance between project goals, cost effectiveness, and environmental benefits. When we are passionate about our work, quality, teamwork, and innovation naturally follow.

These beliefs form the foundation of our business and have allowed us to grow a company with A+ employee talent. Our multi-disciplinary staff includes environmental scientists, biologists, engineers, planners, foresters, soil scientists, geomorphologists, and technicians, just to name a few. While we have offices in multiple states, we are one company and one Team. Individual performance is recognized and rewarded, but teamwork and collaboration are valued above all. Through teamwork, we are able to work to our collective strengths, overcome our individual weaknesses, and constantly increase the quality and effectiveness of our work.

Our clients are as diverse as our staff, and include private entities as well as local, State, and Federal organizations. We strive to create trusting and lasting relationships with our clients, with a constant focus on delivering quality and creative solutions. Clients come to us initially to help solve their problems but return to us because of the relationships and trust that are developed. Expect us to deliver on schedule and on budget. Expect us to go above and beyond.

EPR has completed multiple stream and wetland restoration projects throughout the southeast and southern Appalachia region, including full-delivery projects that require EPR to manage all aspects of a project's lifespan while meeting prescribed timelines. Tasks under the full-delivery umbrella include initial site identification and assessment (including realty efforts for parcel/landowner confirmation, permission, and coordination), NEPA coordination with resource agencies under Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act, conservation easement development and recordation, engineering restoration design development, state and federal permitting, construction oversight and management, and long-term monitoring (including development of adaptive management plans, if needed). EPR also has specialized experience in developing hydrologic and hydraulic modeling to obtain any required FEMA floodplain permitting, water quality sampling (both chemical and benthic macroinvertebrate evaluations) as well as in field surveys and Section 7 consultations for threatened and endangered bat species. Three completed projects located in West Virginia that included agency coordination/permitting, restoration design, and construction oversight are listed below:

Project	Type of Project	Client	Stream Length (ft)	Location
Laurel Creek	Stream and Wetland Restoration (for mine reclamation)	Black Castle Mining	18,500	Boone County, WV
Cline Run II	Stream Restoration	RES	35,000	Tyler County, WV
Boardtree Hollow	Stream Restoration (for mine reclamation)	Confidential	3,000	Nicholas County, WV

Enclosed with this Letter of Interest is supplemental information to demonstrate EPR's experience with stream restoration design, along with our experience in planning and permitting (including bat survey/assessment specialists), realty experience with landowner identification and coordination (often to obtain conservation easements), experience with FEMA floodplain No rise/No impact studies and Letters of Map Revision, as well as with project construction bidding, oversight, and management.

I will serve as EPR's Project Manager and the West Virginia Professional Engineer for this project (#020039), having over eighteen years of experience in environmental restoration, streams, wetlands, and stormwater projects across the eastern US. I currently serve as the Asheville, NC Office Manager and Principal, as well as the Senior Water Resources Engineer with a primary focus on Appalachia. The anticipated work will be performed out of the Asheville, NC office at 204

Stone Ridge Boulevard, and supported as needed with expertise from other offices at EPR. Over my career, I have worked for numerous agencies, municipalities, and organizations to help assess their needs, develop solutions, and implement those solutions on schedule and on budget. As Project Manager, I believe in working closely with the client during each step of the project to ensure goals and objectives are aligned, and that we are providing the best service possible.

Mr. Kevin Tweedy, PE will serve as EPR's senior Principal-in-Charge for this project and is also a West Virginia Licensed Professional Engineer (#020146). Kevin is a co-founder of EPR and a specialist in ecosystem restoration and engineering. In addition, Mr. Will Harman, another EPR co-founder, will be available to the project team to provide senior level review, design assistance, and QA/QC of project deliverables.

EPR, as a small business ourselves, will make good faith efforts to utilize DBE entities if contracted for projects from this pre-qualification request.

We greatly appreciate the opportunity to submit our response to your EOI and ask for your strong consideration during the selection process.

Sincerely,

Jacob Byers, PE
Project Manager
204 Stone Ridge Boulevard
Asheville, North Carolina 28804
Phone: (828) 959-5592
jbyers@eprusa.net

We are excited to show West Virginia's DEP-DLR-AML our abilities and our passion for the work we do. Thank you for the opportunity!

SECTION B – FIRM DESCRIPTION, SKILLS, EXPERIENCE, AND QUALIFICATIONS

Ecosystem Planning and Restoration – Overall Experience

Sonny Kaiser, Kevin Tweedy, and Will Harman, Founders of EPR. We believe in Principal level involvement in our projects to provide the highest level of expertise and value to our clients.

EPR was created in 2012 to be a premier environmental planning and ecosystem restoration company. We have been recognized six times by INC 5000 as one of the fastest growing private companies in the country. We have also been recognized two times by the Zweig Group as one of the top small business environmental/engineering firms in the US and Canada based on our workplace practices, employee benefits, employee retention rates, and much more.

Overall Experience

Our experience is unmatched and our capabilities include natural resource assessments and inventories (e.g., wetland delineation, forest stand delineation, threatened and endangered species assessment), watershed assessments, geomorphic/equilibrium stability and functional condition analyses, design development, community involvement, hydrologic and hydraulic modeling (1D and 2D), construction-ready design plan set preparation, project report documentation, permit application preparation, construction bid document preparation and bidding, construction oversight and/or management, regulatory close-out, post-construction project certification, pre- and post-construction monitoring, and project evaluation. Furthermore, EPR staff have conducted a full range of environmental planning and compliance support including agency consultations for NEPA requirements, EIS documents, Categorical Exclusions, report preparation, technical investigations, analysis, permit preparation, and field work. In the course of much of our project development, EPR staff have also gained realty experience with parcel landowner identification and engagement in order to obtain right of entry agreements and, in many cases, conservation easements.

Our clients are as diverse as our staff, and include private, local, State, and Federal organizations. We strive to create trusting and lasting relationships with our clients, with a constant focus on delivering quality and creative solutions. Clients come to us to help solve their problems but return to us because of the relationships and trust that are developed.

In the firm's collective personnel experience, we have initiated over 500 projects in 13 years, restoring more than 100 miles of stream and over 1,000 acres of wetlands. We have implemented numerous water quality and stormwater projects in 12 states, representing a wide range of conditions and challenges. These projects have ranged from large rivers to small headwater streams, from rural to urban watersheds, and from high gradient cold-water streams to low

gradient coastal systems. We pride ourselves on our ability to deliver effective and innovative environmental solutions in a timely and cost-effective manner.

EPR has extensive experience in a wide range of design approaches, such as Natural Channel Design, Valley Restoration, Legacy Sediment Removal, Beaver Analog, and Regenerative Stormwater Conveyance. We focus on the restoration of impaired stream, floodplain, and wetland functions by applying the most appropriate design approach, or combination of approaches. Our projects are designed to meet stakeholders' goals and objectives and result in ecologically functioning streams and floodplains with high aesthetic value. Our overall design goal is to design a stream and floodplain system that would naturally form, given existing and likely future watershed and site conditions and be self-sustaining over time.

EPR has identified, assessed, and designed numerous stream and wetland projects throughout the eastern US that are very similar to those of West Virginia.

More recently, EPR has been working with the NRCS and Resource Institute (RI) as part of their Western NC Stream Initiative cooperative program. This program focuses on stream restoration and stabilization in western NC utilizing NRCS restoration and water quality practices and standards. This program is funded through NRCS EQIP and other state grant funding. EPR has assessed, designed, permitted, provided construction oversight, and certified over a dozen projects for this program.

EPR has a national resume of projects demonstrating our skills and experience in implementing our design philosophies and project goals working with a wide range of clients. Numerous project examples are included in Section D.

SECTION C - KEY STAFF AND ROLES

EPR has significant capacity and resources to handle any of the project needs of WVDEP-DLR-AML. The following is a brief description of key staff qualifications. Resumes, with additional qualifications, are included in Section D.

EPR Key Staff

Jake Byers, PE
▪ Project Manager and Principal Engineer
Mr. Byers is an EPR Principal and will be responsible for managing the delivery of services performed by EPR, including staff coordination, scheduling, coordinating site assessments, developing design goals and objectives, design development, permitting, providing construction oversight, and interfacing with other team members. Mr. Byers is a licensed PE in West Virginia (#020039) and will be the point of contact and team leader for this project.

The EPR Team brings a wealth of experience managing and designing ecosystem restoration projects.
(photo of EPR staff assisting the NC-WRC in collecting and relocating hellbenders as part of a stream restoration project in Spruce Pine, NC.)

Kevin Tweedy, PE
QA/QC ▪ Contract Management
Another licensed Professional Engineer in West Virginia (#020146), Mr. Tweedy will be the project QA/QC engineer, providing senior level review and QA/QC of design aspects. Mr. Tweedy will review design goals, objectives, site assessment results, design plans and specifications, and design calculations. He will also ensure that the WV Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) receives the service and responsiveness that they expect from the EPR Team and will provide senior level oversight and consultations to ensure successful project implementation.

Will Harman, PG
Senior Fluvial Geomorphologist ▪ QA/QC ▪ Stream Design
Mr. Harman is a senior fluvial geomorphologist and stream designer at EPR with experience working in West Virginia. He will provide additional senior level oversight and assistance in the restoration design process as well as QA/QC review to ensure successful project implementation. He is also the owner of Stream Mechanics, which has conducted workshops in West Virginia on Applying Natural Channel Design Principles to Coal Mine Reclamation sites.

Emmett Perdue, PE
Senior Water Resources Engineer ▪ Stream Design
As a senior stream designer with experience on West Virginia mine reclamation projects, Mr. Perdue will be responsible for assisting in the restoration design process and with providing additional senior level oversight and review. Mr. Perdue has over 20 years of experience, with particular expertise in stream determinations, ecosystem restoration approaches, and best management practices (BMP) design and implementation, particularly regarding stormwater applications.

LeeAnne Lutz, PE, CFM
Senior Water Resources Engineer
Ms. Lutz has over 20 years of experience in water resources, stream restoration projects, and stormwater management. She has extensive experience with riverine systems and stream restoration watershed planning initiatives. Prior to joining EPR, Ms. Lutz led the Stream Restoration Program for the San Antonio River Authority (SARA). Ms. Lutz's specialized experience in stream restoration and stormwater management projects built upon a strong background in hydrologic and hydraulic analyses and design including FEMA hydraulic modeling for the preparation of C/LOMR submittals.

Heather Wallace
Senior Biologist
Ms. Wallace has over 20 years of experience as an environmental professional with a comprehensive knowledge of the consultation process as it relates to the Endangered Species Act. Ms. Wallace will assist with project permitting, specifically with USFWS and WVDNR coordination related to endangered species, in particular for the numerous threatened and endangered bat species, which are commonly a concern in West Virginia.

Scott King, LSS, PWS
Senior Environmental Scientist
Mr. King is a licensed soil scientist and a professional wetland scientist with over 20 years of experience in the environmental field covering a wide range of water quality projects. Mr. King will lead all aquatic resource delineations, soils evaluations, and permitting efforts as part of the project planning and assessment phases.

Russell Myers
Environmental Scientist
A West Virginia native, Mr. Myers will work with the assessment and design teams to evaluate and document existing project conditions, identify design alternatives, and assist in the development of site restoration design plans and vegetation planting plans.

SECTION D – EXAMPLE PROJECTS AND RESUMES

EPR has extensive experience in performing the requested services for various agencies, municipalities, and organization across the United States and our Team stands behind the quality of our work. EPR has a national resume of projects demonstrating our experience with the services requested in this EOI. Table D1 below provides a general list of relevant project experience, after which an additional six applicable EPR projects are then highlighted.

Table D1. EPR Project Experience

Project Name	Type of Project	Client	Stream Length (ft)	Wetland Area (acres)	Location
Stewart Creek Tributaries Full Delivery	Stream Restoration	NC Division of Mitigation Services (NCDMS)	10,600	--	Surry County, NC
Stephens Valley	Stream Restoration	Cumberland River Compact	14,0020	--	Williamson County, TN
Beane Site	Wetland Restoration & Enhancement	NC Department of Transportation	--	157	Pender County, NC
Meadowbrook Full Delivery	Stream Restoration	NCDMS	3,437	--	Yadkin County, NC
Angel Farm Full Delivery	Stream & Wetland Restoration	NCDMS	4,500	1.71	Caswell County, NC
Big Alamance Full Delivery	Stream & Wetland Restoration	NCDMS	3,880	3.9	Guilford County, NC
UT to Cooks Creek	Stream Restoration	Resource Institute, Inc. (RI)	1,250	--	Surry County, NC
Christian Creek	Stream Restoration	RI	1,960	--	Surry County, NC
Greenbrier Full Delivery	Stream Restoration	NCDMS	2,550	--	Yadkin County, NC
Herbert II Wetland Mitigation Bank	Wetland Restoration	Prairie Creek Ventures	--	364	Waller County, TX
UT to Swan Creek	Stream Restoration	RI	2,200	--	Yadkin County, NC
Bear Swamp Full Delivery	Stream & Wetland Restoration	NCDMS	2,220	2.6	Lumber County, NC
Pacer	Stream Restoration	Plains All American	8,150	--	Lincoln County, OK
Beef Island	Wetland Restoration	Confidential	--	20	Shelby County, TN
Spring Creek Ranch	Stream & Wetland Restoration	TxDot	16,000	19	Waller/Harris County, TX
Grassy Creek	Stream Restoration	RI	4,850	--	Pilot Mountain State Park, NC
Piney Run	Stream Restoration	MD State Highway Administration	21,500	--	Carroll County, MD

Project Name	Type of Project	Client	Stream Length (ft)	Wetland Area (acres)	Location
Bush Creek	Stream Restoration	Ecotone	2,500	--	Frederick County, MD
South Crooked Creek	Stream Restoration	RI	3,300	--	Stokes County, NC
UT Chinquapin Creek	Stream Restoration	RI	4,229	--	Pilot Mountain, NC
South Fork Mitchell River	Stream Restoration	RI	1,830	--	Surry County, NC
Goodwin Creek Mitigation Site	Stream Restoration	Birmingham Coal and Coke	11,009		Marion County, AL
Hodges Creek	Stream Restoration	RI	2,352	--	Surry County, NC
UT Little Fisher River	Stream Restoration	RI	3,000	--	Surry County, NC
Little Pine Creek	Stream Stabilization	NCDMS	1,000	--	Alleghany County, NC
Red Creek	Stream Restoration	MSDOT & TNC	10,300	5.0	Jackson County, MS
Sumter Forest	Stream Restoration	(Confidential)	102,700	--	Chester County, SC
Private Mitigation Bank (confidential)	Stream and Wetland Restoration	(Confidential)	57,848	1.7	Tyler/Ritchie County West Virginia

Ararat River Restoration, Phase VI and VII

Mt. Airy, North Carolina

Client & References

Resource Institute, Inc.

- **Michael Smith,** Chairman (retired)
  Ph: 336-750-0522
- **Charles Anderson,** Project Coordinator
  Ph: 336-750-0522
  Email: canderson@resourceinstituteinc.org

Performance Period

October 2018– May 2021 – Existing Conditions Assessment, Design, Permit Application Development
January - March 2023– Construction (Phase VII)

Contract Information

Contract Value: $536,000
Construction Cost: $695,790 (est)

Key Points

- ✓ Natural Channel Design restoration
- ✓ Existing conditions assessment
- ✓ Permit preparation
- ✓ Utilization of grade control structures
- ✓ Permanent Conservation Easement secured through land acquisition

EPR Team

- Jake Byers, PE, Senior Water Resources Engineer, Project Manager
- Russell Myers, Environmental Scientist
- Kevin Tweedy, PE, Principal Engineer
- Tami Norton, PE, CFM, H&H Engineer

Subconsultants

- Barge Design Solutions, Inc.; Topographic survey

Ecosystem Planning and Restoration (EPR) was contracted by Resource Institute, Inc. to provide easement development assistance, existing condition assessments, and to develop permit packages for two phases of the Ararat River Restoration Project in Mt. Airy, North Carolina. EPR was also contracted to develop 75% stream restoration design plans for Phase VI and 100% plans for Phase VII. EPR will also provide construction administration for Phase VII. This project is part of a multi-phase restoration effort to improve numerous sections of the Ararat River that has been ongoing for several years, and EPR staff have lead each phase of the work.

The need for stream restoration on the Ararat River arises from the anthropogenic land use in the project area. The downstream end of the Phase VII project has a drainage area of approximately 64.3 square miles, much of which has historically been used for livestock and crop production. The riparian buffer has degraded over time, resulting in accelerated bed and bank erosion.

In response to this stream degradation, project goals included the improvement of stability, habitat, and water quality through restoration and enhancement of the river and planting of native riparian buffers. Phase VI consisted of 75% design development for 7,840 linear feet of the Ararat River, and Phase VII involved 100% plan development, permitting, and construction oversight for 2,890 linear feet.

Additional grade control and bioengineering was implemented using a Natural Channel Design approach. Grade control was provided through construction of rock cross vanes. Bank stability was provided using log vanes, toe wood with geolifts, and bank sloping. Hydrologic and hydraulic modeling, floodplain reporting, and a Floodplain Development permit were required to demonstrate a no-rise with a FEMA Special Flood Hazard Zone. Phase VI work was completed in April 2021. Phase VII 100% design plans were completed in March of 2022, and construction on Phase VII was completed in March 2023.

Section of stabilized Ararat River shortly after construction.

Project Description: Bandys Farm Stream and Wetland Mitigation

Bandys Farm Stream and Wetland Mitigation Project, NCDMS

Catawba County, NC

Client & References

- **Harry Tsomides**
  Project Manager
  Ph: 828-545-7057
  Email: harry.tsomides@deq.nc.gov

Performance Period

Mar. 2022 – May 2023; Assessment
June 2022 – Aug. 2023; Design and Permitting
Dec. 2023 – May 2024; Construction

Contract Information

Contract Value: $3,175,075
Construction Cost: $1,148,000

Key Points

- ✓ Conducted existing conditions assessment
- ✓ Developed design plans to restore site resources
- ✓ Developed and received mitigation plan approved
- ✓ Obtained permits
- ✓ Bid and oversaw project construction
- ✓ Provided 7,522 stream and 3.19 wetland mitigation credits

EPR Team

- Jake Byers, Engineer
- Scott King, Project Manager
- Russell Myers, Design and Monitoring

Subconsultants

- Barge Design, survey
- KBS Earthworks, construction

EPR was contracted by NC Division of Mitigation Services (NCDMS) for a full delivery mitigation project in Catawba County, NC involving existing condition assessment, design, mitigation plan, permitting, construction, and monitoring for 7 years.

The Bandys Farm Stream and Wetland Mitigation Project is located within the Mountain Creek subwatershed of the Catawba River Basin Hydrologic Unit Code (HUC) 03050101. The Project includes the restoration of streams and riparian wetlands adversely affected by agricultural use. The project also ties into an existing NCDMS mitigation project (North Fork Mountain Mitigation Site).

CONSTRUCTION

POST-CONSTRUCTION

The Project involved the enhancement of a section of North Fork Mountain Creek and the restoration of five of its unnamed headwater tributaries along with the restoration of adjacent riparian wetlands, all of which had been adversely affected by past channelization and incision, livestock access, and loss of most of their riparian buffers.

Restoration practices utilized a mix of Priority Levels I and II to relocate and raise the stream bed elevations where possible as well as construct floodplain benches to reconnect the streams to an active floodplain along the fall of the valley, thereby restoring flow dynamics and a functioning stream system. These activities are expected to improve the water quality of receiving waters and improve habitat for biota. The Project will provide 7,522 Warm Stream Mitigation Credits (SMCs) as well as 3.19 Riparian Wetland Mitigation Credits (WMCs). These features are permanently protected within a 31.9-acre conservation easement.

Cline Run II, RES

Tyler County, West Virginia

Client & References

- **Jessica Stout,**
  Project Manager
  Ph: 315 569-7525
  Email: jstout@res.us

Performance Period

Design: Mar 2016 – Jan 2017
Construction: Feb 2017 - Dec 2017

Contract Information

Contract Value: $742,000
Construction Cost: $2,000,000

Key Points

- ✓ Performed Function Based Assessments
- ✓ Developed Innovative Watershed Specific Design Approaches
- ✓ Lead Regulatory Approval Process
- ✓ Managed Contractor Selection
- ✓ Provided Technical Review of Construction

EPR Team

- Kevin Tweedy, Principal, Client Relations and QA/QC
- Emmett Perdue, Senior Water Resources Engineer, Project Manager
- Cidney Jones, Water Resources Engineer, Project Engineer
- Erin Bennett, Water Resources Engineer, Project Engineer
- Tom Barrett, Senior Environmental Scientist, Biologist

Subconsultants

- Decota Consulting – Survey and Regulatory Assistance

Resource Environmental Consultants (RES) pursued the establishment of a mitigation bank in Tyler County, West Virginia beginning in 2015. As the land acquisition took place for over 35,000 linear feet of stream, the design complexities of project became apparent as the watershed characteristics ranged from steep mountain slopes to flat valley bottoms. Additionally, RES was facing an ever-shortening timeframe to produce mitigation credits for local entities.

PRE-RESTORATION

Ecosystem Planning and Restoration (EPR) was brought on in March 2016 to serve as the lead design consultant and brought a dedicated, multidisciplinary team to tackle various design challenges, seek regulatory approval, develop construction documents, and select a contractor, all within the required timeframe. EPR, in close coordination with RES and Decota (subconsultant), evaluated all reaches using a function-based methodology to help guide the design approach while providing a basis of comparison from existing to as-built condition for credit determination. EPR utilized the assessments to develop watershed specific design approaches ranging from valley restoration approaches in the headwaters to natural channel design approaches on the valley floors. With the assessments and designs in hand, the project was brought forth to the Interagency Review Team (IRT) for permitting and regulatory acceptance. EPR discussed the assessment findings along with the design and implementation challenges that resulted in preservation, stream enhancement, and stream restoration credits across the site. The IRT granted approval for the project to proceed into construction where EPR assisted with contractor solicitation, bidding, and selection.

Later, in the final stages of construction, as streams and ultimately watersheds were nearlng completion, EPR reviewed and finalized the contractor's as-built documentation.

POST-RESTORATION

Brosnan Forest Coldwater Branch Mitigation Bank, NSC

Dorchester, SC

Client & References

- **Mark Strelow,**
  Group Manager Purchasing
  Ph: 757)668-1684
  Email: mark.strelow@nscorp.com

Performance Period

Construction:
March 2021 – August 2023
Monitoring:
Spring 2024 – December 2030 (est.)

Contract Information

Contract Value: $417,837.60
Construction Cost: $4,924,870.68

Key Points

- ✓ Complete watershed level stream and wetland restoration
- ✓ 34,000 linear feet of stream restoration
- ✓ 500 acres of wetland restoration/enhancement
- ✓ 1,106-acre Private Mitigation Bank

EPR Team

- Scott Hunt, PE, Project Manager and Design Engineer
- Kevin Tweedy, PE, Principal/Senior Water Resources Engineer
- Thomas Barrett, RF, Senior Environmental Scientist
- Cidney Jones, PE, CFM, Water Resources Engineer

The 1,106-acre Brosnan Forest Coldwater Branch Mitigation Bank (Project) is part of, and bounded by, Norfolk Southern Railway Company's (NSC) Brosnan Forest, a 14,405-acre corporate conference and outdoor recreation facility. Brosnan Forest is in Dorchester County, South Carolina, approximately 11 miles east of the town of St. George and 2 miles west of the town of Dorchester. The Project is located in the Mid-Atlantic Flatwoods physiographic province, in the Middle Atlantic Coastal Plain ecoregion, in the Edisto River Basin, in the Four Hole Swamp 03050205 8-digit HUC Watershed.

The Project is a privately held commercial mitigation bank that will restore stream channels, natural hydrology and vegetation as they existed prior to the severe drainage that started in the 1950s. Several large headwater wetland systems with palustrine forested wetlands will be restored, along with over 5 miles of Rosgen C type streams (complete restoration of the main stem of Coldwater Branch totaling 25,000 feet, and seven smaller tributary drainages, totaling 9,000 feet) with streamside wetlands dominated by bottomland hardwood wetland species, with nearly 500 total acres of wetland restoration/enhancement, to provide compensatory mitigation alternatives for impairments of wetlands and streams associated with authorized (permitted) impacts within the approved Bank service area. This project was completed using a design-build methodology with KBS.

NSC has a strong interest in sustainable business operations and reducing environmental impact. NSC's Brosnan Forest is a clear and shining example of NSC's environmental stewardship. Renowned as an ecological treasure, Brosnan Forest is habitat for the largest US population of endangered red-cockaded woodpeckers on private land, and one of the country's largest remaining stands of longleaf pines. In 2008, NSC granted a conservation easement on 12,488 acres of Brosnan Forest to

the Low Country Open Land Trust, ensuring the land will be protected permanently from development. This easement was the largest conservation gift in South Carolina history.

The proposed work provided significant functional uplift for the region, along with reductions in sediment and nutrients to Coldwater Branch. Reductions in sediment will be achieved by restoring stable headwater streams reconnected to their historic floodplains, thereby reducing sediment inputs from bank erosion. Reductions in nutrients will be achieved through the restoration of riparian wetlands that promote denitrification and increased filtration. By converting drainage ditches into restored wetland areas, reductions to nutrients and sediments will also be achieved through greater retention and uptake of these pollutants before they reach the restored Coldwater Branch System.

ECOSYSTEM PLANNING & RESTORATION

Project Description: Laurel Creek Stream and Wetland Restoration

Laurel Creek Stream and Wetland Restoration, Black Castle Mining Company

Boone County, WV

Client & References

- **Dave Willson**
  Project Manager
  Ph: (304) 989-9737
  Email: dwillson@gmail.com

Performance Period

Jul. 2015 – Oct. 2015; Assessment
Oct. 2015 – Jan. 2016; Design and Permitting
Jan. 2016 – May 2016 - Construction

Contract Information

Contract Value: $1,489,280 (included construction)
Construction Cost: ~$800,000

Key Points

- ✓ Rapid schedule and complex team coordination
- ✓ EPR managed all aspects of the team to get the work done
- ✓ Coordination of several subcontractors
- ✓ Conducted existing conditions assessment
- ✓ Developed design plans to restore and enhance site resources
- ✓ Oversaw project construction

EPR Team

- Kevin Tweedy – PM
- Emmett Perdue – Engineer
- Tom Barrett - Biologist
- Will Harman - Geomorphologist

Subconsultants

- North State Environmental, construction
- Decota Consulting – survey
- ACRE Environmental – microbenthic surveys and work

EPR was contracted by Black Castle Mining Company to provide assessment and design services as the prime consultant for a stream and wetland restoration and enhancement project in Boone County, West Virginia along 18,500 feet of stream and 3.5 acres of wetlands. The work was conducted as part of permit compliance and mitigation for mining activities. EPR was responsible for the overall project management, design development, construction oversight, and coordination for the entire project team.

More specifically, EPR was responsible for the existing condition assessment including stream and wetlands investigations to determine estimated areas suitable for restoration or enhancement. EPR then developed an appropriate restoration or enhancement design plan utilizing natural channel design principles with a primary focus on the enhancement and restoration of aquatic habitats for macroinvertebrate species.

CONSTRUCTION

The designs incorporated a number of innovative wood and rock structures that were used to provide additional aquatic habitat along the project stream reaches.

POST-CONSTRUCTION

EPR managed this project as a turn-key contract, managing each of the subconsultants (surveyors, biologists) and subcontractor (construction) and ensuring that the work was completed according to the approved plans and permits.

Red Barn Mitigation Bank Site, NC Department of Transportation

Mount Airy, NC

Client & References

- **Leilani Paugh,**
  Mitigation and Modeling Group Leader
  Ph: 919-707-6146
  Email: lypaugh@ncdot.gov

Performance Period

October 2017 – Ongoing
November 2019 – April 2020 (const)
January 2020 – December 2026 (monit)

Contract Information

Contract Value: $1,944,000
Construction Cost: $848,203.68

Key Points

- ✓ Stream and wetland mitigation bank.
- ✓ Steep headwaters and low-gradient stream-wetland complexes.
- ✓ Regulatory oversight and coordination with the US Army Corps of Engineers – Wilmington District.

EPR Team

- Cidney Jones, Project Manager and Water Resources Engineer
- Kevin Tweedy, Senior Water Resources Engineer
- Jake Byers, Senior Water Resources Engineer
- Amy James, Environmental Scientist
- Tom Barrett, Registered Forester
- Russell Myers, Environmental Scientist
- Ward Ellis, Site Search Specialist

Subconsultants

- Three Oaks Engineering
- Turner Land Surveying, PLLC
- North State Environmental
- Tuttle Construction

The Red Barn Mitigation Bank site is being developed, in part, to provide stream mitigation credits to the NCDOT under a contract to purchase private mitigation bank credits. The Site is located in the Stewarts Creek watershed of the Yadkin-Pee Dee River Basin in Surry County, NC.

The project watershed has historical water quality concerns from agricultural practices and suburban stormwater runoff. Streams in the project area were experiencing severe erosion from past channelization and direct cattle access, and riparian wetlands were ditched to promote drainage and maximize cattle grazing activities.

Through this project healthy headwater stream-wetland complexes were restored by re-meandering streams through the existing wetlands located along the fall of the valley, and restoring woody vegetation along all stream reaches. In so doing, significant improvements to wetland connectivity and function within the riparian buffer were achieved.

EPR worked with landowners to provide livestock exclusion fencing, watering wells, and watering troughs, so that livestock could be permanently excluded from the restored streams and wetlands. A six-year monitoring program was implemented to determine success based on the established performance criteria.

Improvements included restoration of 7,017 linear feet and enhancement of 568 linear feet of steep headwaters and low-gradient streams, rehabilitation of 1.57 acres of wetland, and a 25.3-acre conservation easement. Improvements yielded 7,341 Stream Mitigation Units across three perennial and one intermittent tributary to Stewarts Creek.

Restoration and enhancement of the streams and their permanent protection ensure that this system will reduce sediment, nutrients, and fecal coliform contributions from active farming operations, improving the overall hydrologic regime and water quality of Stewarts Creek and the Yadkin-Pee Dee basin.

Ecosystem Planning & Restoration | Resume

Will Harman, PG

Principal/Senior Fluvial Geomorphologist

Education

MA, Geography and Earth Science, University of North Carolina at Charlotte, 1996
BS, Geography, Appalachian State University, 1991

Professional Licenses/Certifications

- Professional Geologist in NC
- Applied Fluvial Geomorphology, Wildland Hydrology, Inc.
- River Morphology & Applications, Wildland Hydrology, Inc.
- River Assessment & Monitoring, Wildland Hydrology, Inc.
- Natural Channel Design and River Restoration, Wildland Hydrology, Inc.

Years of Experience: 31

Mr. Harman is co-founder and Senior Fluvial Geomorphologist at EPR. He participates in stream restoration projects by providing function-based stream assessments, design support, quality assurance, construction observation, and other services. Mr. Harman is also the owner of Stream Mechanics where he developed the Natural Channel Design Review Checklist and Stream Functions Pyramid Framework. These tools are now used by agencies and practitioners throughout the United States. Mr. Harman teaches stream restoration workshops to federal, state, and local agencies, universities, and private engineering firms.

Mr. Harman was a founder of Buck Engineering and River Works, which specialized in ecosystem restoration design and construction, respectively. Prior to starting Buck and River Works, Mr. Harman was on the faculty at NC State University, where he co-founded and led the NC Stream Restoration Institute (now the NC Stream Restoration Program). Mr. Harman's combination of academic and private-sector experience provides a unique skill set for teaching and applying stream restoration principles.

- **Natural Channel Design Review Checklist.** Lead Investigator for the development of a natural channel design review checklist with Richard Starr, U.S. Fish and Wildlife Service. The development of the checklist and corresponding workshop was funded by the U.S. Environmental Protection Agency. The checklist is available on EPA's web page and is intended for regulators and agency staff who review natural channel designs. Numerous workshops have been provided around the country for a variety of state and federal agencies, as well as private consultants.
- **Stream Functions Pyramid: A Framework for Assessing Stream Functions.** Lead Investigator for the development of a Stream Functions Pyramid to assist practitioners and regulators with developing stream assessments and restoration projects that focus on improving stream functions. The Stream Functions Pyramid is now being used by practitioners and agencies in various locations throughout the country.
- **Applying Natural Channel Design Principles to Coal Mine Reclamation.** Through Stream Mechanics, hosted and lead a 3-day workshop held in West Virginia to provide local practitioners and regulatory staff with an overview of fluvial forms and processes, channel forming discharge and regional curves, principles of sediment transport, existing condition assessment protocols, channel morphological measurements and ratios, and reference reach concepts, with the ultimate goal of helping attendees learn to develop appropriate design criteria using natural channel design principles and structures.
- **Stream Quantification Tool and Debit Calculator. EPA Regions 4, 5, 8, and 10.** The Stream Quantification Tool (SQT) is a function-based assessment tool that is used to quantify the change in stream condition as a result of restoration or impact activities. The debit calculator is an extension of the SQT used to calculate function/condition loss associated with permitted impacts. Mr. Harman led the regionalization process for the SQT and debit calculator for WY, CO, TN, MN, AK, and SC. This process also includes assistance in developing stream mitigation guidelines/protocols for these states.

ECOSYSTEM PLANNING & RESTORATION | Resume

Emmett Perdue, PE

Senior Water Resources Engineer

Education

MS, Environmental Engineering, North Carolina State University, 2005
BS, Environmental Science, University of North Carolina at Chapel Hill, 2001

Professional Licenses/Certifications

- Professional Engineer in TX#115022, 2013; NC#036254, 2010; GA#034913, 2010; SC#30882, 2013; VA#0402057080, 2017 and OK#29172, 2016
- Erosion and Sedimentation Control Level 2 Design Professional, GA, 2018
- Applied Fluvial Geomorphology, Wildland Hydrology, Inc., 2005
- River Morphology & Applications, Wildland Hydrology, Inc., 2007
- River Assessment & Monitoring, Wildland Hydrology, Inc., 2007
- Natural Channel Design and River Restoration, Wildland Hydrology, Inc., 2008

Years of Experience: 20

Mr. Perdue joined EPR in 2014 and has over 20 years of experience. Mr. Perdue specializes in the design of stream and ecosystem restoration projects. His areas of expertise include stream determinations, ecosystem restoration approaches, and best management practices (BMP) design and implementation, particularly regarding stormwater applications. Mr. Perdue's technical experience includes the use of computer aided design (CAD), global positioning systems (GPS), geographic information systems (GIS) analysis, and hydrologic engineering center - river systems analysis (HEC-RAS) for the design of wetland and stream restoration projects. Mr. Perdue has conducted existing and reference reach surveys, natural channel design, construction estimates and quantity calculations, permitting, construction management/supervision and monitoring services on numerous projects across North Carolina and the Southeastern US.

- **Cline Run II. Tyler County, West Virginia. RES.** Served as project manager and senior water resource engineer for this project that involved over 35,000 feet of stream. EPR assessed all reaches using a function-based methodology and developed watershed specific design approaches ranging from valley restoration approaches in the headwaters to natural channel design approaches on the valley floors. EPR then presented the design to the IRT for permitting and regulatory approval, and subsequently assisted in contractor solicitation, bidding, and selection.
- **Pacer Stream Mitigation Project. Lincoln County, OK. Confidential Client.** EPR is the prime consultant on the development of off-site stream mitigation to offset impacts due to development of a tank facility. EPR was responsible for securing a conservation easement, site assessments, developing design plans for 8,150 feet of stream, obtaining approvals and permits, contractor selection, overseeing construction, and providing monitoring services. Mr. Perdue was the lead designer for the development of the mitigation plan and site approval.
- **Willowbrook Park Stream Mitigation Project. Alamance County, NC.** EPR was contracted by the City of Burlington to assist in the development of a 21st Century park full of amenities for the surrounding residents. This created the need for stream relocation, floodplain capacity enhancements, and water quality benefits. As the Project Manager, Emmett assisted the City throughout the process by informing the public through educational events and presenting alternatives at City Council Meetings, by working with stormwater staff to develop construction documents and acquire permits, by facilitating the bid process and contractor selection, and finally by performing construction observation and oversight.
- **Lake Ralph Hall Reservoir Mitigation Project. Fannin County, TX. Upper Trinity Regional Water District.** Serving as the Lead Engineering Firm for the development of approximately 282,000 feet of stream mitigation design, associated with impacts from the development and construction of Lake Ralph Hall. The lake will provide drinking water to the northern portions of Dallas and Fort Worth, as well as recreational opportunities. Mr. Perdue performed site assessments and assisted in the data management required to identify and quantify the restoration potential of over 300 individual reaches. Mr. Perdue is assisting with the development of the design for IRT approval.

ECOSYSTEM PLANNING & RESTORATION | Resume

Jake Byers, PE

Principal/Senior Water Resources Engineer

Education

BS, Biological Engineering, North Carolina State University, 2007

Professional Licenses/Certifications

- Professional Engineer in WV# 020039
- MSHA Part 46 24-hour Trained (Surface/Coal)
- WV Safety Sensitive Personnel # SSP-2241
- Rosgen I, Applied Fluvial Geomorphology, 2008
- Rosgen II, River Morphology & Applications, 2009
- Rosgen III, River Assessment & Monitoring, 2010
- USDA NRCS Technical Service Provider, #TSP-14-9877, 2014

Years of Experience: 18

Mr. Byers joined EPR in 2018 and has over 18 years of experience with environmental and natural resources restoration and management specializing in streams, wetlands, and riparian restoration. He has wide-ranging experience as a leader and team member on dozens of stream and wetland restoration projects. He brings a deep understanding and expertise in geomorphology, aquatic habitat, water quality, hydraulics and hydrology, sedimentation and erosion control, permitting, mitigation plan development, surveying, construction oversight, and post-construction monitoring. He has designed and managed projects in a variety of geographic settings, ranging from steep mountain headwater streams to large rivers throughout the United States. He has served as project manager and project engineer on numerous stream and wetland restoration projects in WV, NC, SC, PA, GA, AK, and TN including projects for compensatory mitigation, mine reclamation, and grant funded projects for habitat and water quality improvements.

- **Confidential Client. Boardtree Hollow. Nicholas County, WV.** Mr. Byers was the design engineer for this project. The goals of this project were to reduce downstream conductivity levels by removing settling ponds and restoring a natural stream through a mined valley. Services provided included project management, stream assessments, natural channel design and construction management. Restoration efforts focused on creating a stable stream in a steep mountain setting and increasing large woody debris and aquatic habitat, particularly for benthic macroinvertebrates.

- **Confidential Client. Confidential Project. North GA.** Mr. Byers is the project manager and engineer of record for this project. This project involves the relocation of an existing stream through a mountain side because of proposed quarry expansion. This project is occurring on an active quarry site. The existing stream is also home to an endangered fish species so complex coordination with wildlife agencies is required. The design approach for this project is to rebuild an entire valley, stream, and floodplain system that has been excavated through the mountain side using woody debris, soil, and stone materials to create a stream and wetland mosaic to provide habitat for the endangered fish and other species.

- **Cumberland River Compact. Stephens Valley Stream Mitigation. Pasquo, TN.** This in-lieu fee program mitigation project restored over 14,000 feet of highly degraded stream and riparian forest that had been impacted from historic agricultural practices and increasing development pressure. As the project manager and engineer, Mr. Byers provided turnkey services for this project ranging from initial site assessments, through designs and permitting, to construction and post-construction monitoring services. The design utilized a natural channel design approach and included restoring a natural dimension, pattern, and profile utilizing native woody and stone materials and replanting a native riparian buffer.

Kevin Tweedy, PE

Principal/Senior Water Resources Engineer

Education

MS, Biological and Agricultural Engineering, North Carolina State University, 1998
BS, Agricultural Engineering, Virginia Tech, 1995

Professional Skills

- Professional Engineer in OK#29171, TX#113620, NC#27377, MD#41601, VA#402056038, WV#020146, NY#099293, and TN#119657
- Applied Fluvial Geomorphology, Wildland Hydrology, Inc., 1998
- River Morphology & Applications, Wildland Hydrology, Inc., 2011
- River Assessment & Monitoring, Wildland Hydrology, Inc., 2012
- Natural Channel Design and River Restoration, Wildland Hydrology, Inc., 2012

Years of Experience: 25

Mr. Tweedy is a specialist in ecosystem assessment, stream restoration, wetland restoration, watershed management, and stormwater management. He has served as project manager, project engineer, and senior engineer for well over 200 watershed and ecosystem restoration projects across the U.S. As a stream restoration specialist, Mr. Tweedy has served as the Project Engineer/Engineer of Record for over 150 stream restoration projects, totaling approximately 750,000 feet of stream restoration design. This vast experience includes restoration and stabilization of systems ranging from large rivers to small headwater streams, from rural to urban watersheds, and from high gradient cold water streams to low gradient coastal systems. Designs have often involved a holistic ecosystem approach, combining stream and wetland elements and restoring hydrologic connections across the larger riparian system. Other areas of detailed experience include stormwater management and treatment systems, hydrologic modeling, groundwater hydrology, best management practices, ecosystem monitoring, and environmental education.

- **Ararat River Restoration, Parks, and Greenway Project. Mount Airy, North Carolina.** Lead Engineer, Project Manager, and Principal-in-Charge for numerous phases of the Ararat River Project. Worked with the client and City during Phase 1 to secure several million dollars of grant funds. In later phases, has served as Principal-in-Charge overseeing the design development of river restoration plans and additional sections of greenway.
- **Coldwater Branch Stream Mitigation Bank. Dorchester, South Carolina.** Principal Engineer for the development of approximately 34,000 feet of Coastal Plain stream restoration and over 400 acres of associated wetlands, located approximately 30 miles inland from Charleston, SC. Responsible for initial feasibility assessments, site condition assessments, design development, contractor coordination, and cost estimating.
- **Western North Carolina Streams Initiative. Various Counties. Resource Institute Inc.** Mr. Tweedy is the project manager and engineer for restoration of several stream restoration sites in the Appalachians region. Assisted client in developing marketing materials and strategy for securing over $3M in grant funds to begin the initiative. Assisted project partners in evaluating initial project sites, assessing feasibility and establishing project budgets. Performed site assessments and developed design plans for six sites in three counties and have performed preliminary assessments on numerous other sites.

- **Privateer Farms and Harrison Creek Wetland Mitigation, Fayetteville, North Carolina.** Project Manager and Lead Engineer for the restoration of approximately 430 acres of riparian wetlands and 35,000 feet of stream channel in the Coastal Plain region of NC. Lead project team responsible for negotiating with the landowner to secure a conservation easement, developing the stream and wetland mitigation plan, gaining regulatory agency approval, designing and providing design support during construction, monitoring wetland hydrology and vegetation for seven years, and submitting annual monitoring reports. Worked directly with the regulatory agencies at the conclusion of five years of post-construction monitoring to successfully secure all mitigation credits that were originally planned for the project.
- **Pacer Stream Mitigation Project. Lincoln County, Oklahoma. Private Client.** Mr. Tweedy served as the prime consultant for the development of off-site stream mitigation to offset impacts due to development of a tank facility. The stream mitigation project is contracted as turn-key development, in which EPR is responsible for securing a conservation easement, performing site assessments, developing design plans, obtaining US Army Corps of Engineers approvals for the mitigation and associated permits, selecting and hiring a construction contractor, overseeing construction, and providing post-construction monitoring services. Mr. Tweedy is serving as the Senior Engineer responsible for senior level QA/QC and oversight of the project.

Heather Wallace

Senior Biologist

Education

BS, Ecology/Environmental Biology, Appalachian State University, 1997

Permits

- USFWS Native Endangered and Threatened Recovery Permit ES81430B: gray bat, Indiana bat, Northern long-eared bat, Virginia big-eared bat

Professional Licenses/Certifications

- Acoustic ID of Eastern Bats, Vesper Bat Detection Services
- Acoustic Techniques and Analysis Advanced Acoustic Analysis, Titley Scientific
- Endangered Species Act: Section 7 Interagency Coordination, USFWS/FHWA/NCDOT
- Eastern Bat Survey Techniques Workshop, Bat Conservation and Management
- Acoustic Software Training Workshop. Bat Conservation and
- Management.
- Cave Conservation and Management Training, Bat Conservation and Management

Years of Experience: 18

Ms. Wallace has over twenty-four years of experience as an environmental professional. She has extensive experience surveying and monitoring plants and wildlife, and specialized knowledge of the ecology of a variety of rare and federally protected species. She has comprehensive knowledge of the consultation process as it relates to the Endangered Species Act. She also has a background in jurisdictional wetland and stream delineations, biotic community inventories, and morphological and biological data collection for stream and wetland restoration projects. Ms. Wallace has prepared Natural Resource Technical Reports; Biological Assessments and Evaluations under Endangered Species Act §7; Categorical Exclusions, Environmental Assessments, Environmental Impact Statements, nationwide, and individual permit applications under Clean Water Act §404/401. With experience working in both the private and public sectors, Ms. Wallace has a well-rounded knowledge of how those groups function, and how they work best together.

- **Piedmont Avenue Bridge Biological Assessment for Gray Bats, VDOT, Bristol, TN/NC.** The Piedmont Ave. bridge over Beaver Creek through downtown Bristol (TN and VA) is primarily located in VA but extends into TN for 130 feet. The bridge supports a well-studied gray bat maternity roost and bachelor colony. Heather is responsible for organizing the years of data collected by various agencies and researchers, attending public meetings, contributing to the Planning and Environmental Linkages studies, and completing the Biological Assessment.
- **Brosnan Forest Bat Surveys, Norfolk Southern Corporation, Dorchester County, SC.** Heather served as Senior Biologist for this multi-year project which began in 2024 and is intended to serve as a complete bat species inventory, as well as aid in identification of habitats preferred by rare bat species. Target species include the federally endangered northern long-eared bat, the federally proposed endangered tricolored bat, and the state endangered Rafinesque's big-eared bat. During the first year of surveys 19 acoustic sites and 11 mist-net sites were established. Six bat species were captured during 11 mist-net surveys, including three lactating female tricolored bats. Thirteen bat species were recorded during 41 detector nights of acoustic surveys. A final report was submitted to the client and USFWS.
- **Bat Mist Netting and Acoustic Surveys, NCDOT, Central and Eastern, NC.** Heather was the Project Manager and Lead Biologist providing extensive Northern long-eared bat mist-netting and acoustic surveys in Central and Eastern North Carolina. Twenty-seven (27) nights of netting were completed at 21 sites and seven counties. The survey efforts resulted in the capture of 166 bats representing eight species. As a part of these surveys, the federally threatened Northern long-eared bat was captured in two counties where the species was previously undocumented. Acoustic surveys approximated these efforts. A comprehensive survey report was also submitted as part of this project.

- **Blue Ridge Parkway Improvements, Bat and Carolina Northern Flying Squirrels Habitat Inspections, NV5 Engineers and Consultants, Avery, Watauga, Ashe Counties, NC.** Heather served as Senior Biologist to provide structure checks for bats along approximately 53.5 miles of the Blue Ridge Parkway in Northwestern North Carolina. Bridges, culverts, stone guard walls, and stone headwalls that were targeted for repairs or replacement were checked within 13 days prior to construction for evidence of bat use. Occasionally, trees were also checked for roosting bats. In addition, trees in the vicinity of Grandfather Mountain were checked for Carolina northern flying squirrel nests prior to clearing. Data forms were completed per FHWA specifications. Heather routinely coordinated with the planning engineer and construction firms, making schedule adjustments as needed to accommodate the 13-day preconstruction survey requirement.

- **Lake Coffey Drought Mitigation Project Bat Habitat Assessment, Town of Beech Mountain, Avery County, NC.** The project intends to provide a secondary water source for the Town of Beech Mountain to mitigate effects of drought while balancing the need for snowmaking at Beech Mountain Ski Resort. The project includes the expansion of Lake Coffey to incorporate neighboring Lake Santis as well as the installation of a raw water force main between Lake Coffey and the existing water treatment plant at Buckeye Lake, the town's primary water source. The project footprint includes the anticipated impact area around Lake Coffey/Santis as well as the approximately 2.3-mile water main route, which totals approximately 24.5 acres. Five federally listed bat species have the potential to occur in the project area. EPR adhered to 2024USFWS bat survey guidelines to perform potential hibernacula surveys of underground openings within a half-mile buffer around the 24.5-acre project area, for a total of 1,988 surveyed acres. No potentially suitable hibernacula were located during initial field reconnaissance, but numerous areas of potentially suitable summer roosting habitat were identified.

- **Acoustic Bat Call Manual Vetting, NCDOT, Buncombe County, NC.** Heather performed a review of bat call data collected for multiple NCDOT projects in the Asheville, NC area to determine whether the autoclassifier software program used to process the original call data had correctly attributed calls to the correct bat species. Heather utilized Phase 2, Step 7 of the U.S. Fish and Wildlife Service 2023 Range-wide Indiana Bat and Northern Long-eared Bat Survey Guidelines to identify the call files to be vetted. A report of the findings was also produced for each project. Nearly 3,000 calls have been vetted thus far; the project is ongoing.

ECOSYSTEM PLANNING & RESTORATION | Resume

LeeAnne Lutz, PE, CFM

Senior Water Resources Engineer

Education

BS, Civil Engineering, University of Texas at San Antonio, 2001
MS, Civil Engineering, University of Texas at San Antonio, 2007

Professional Licenses/Certifications

- Professional Engineer in TX#102221, 2008
- Certified Floodplain Manager in TX#2733-14N, 2014
- SARA LID Site Planning & Design Certification, 2020
- Rosgen Level I, 2012
- Natural Channel Design for Semi-Arid Environments, Stream Mechanics, 2014

Years of Experience: 23

Ms. Lutz has over 23 years of experience in water resources, stream restoration projects, and stormwater management. She has extensive experience with riverine systems and stream restoration watershed planning initiatives. Prior to joining EPR, Ms. Lutz led the Stream Restoration Program for the San Antonio River Authority (SARA) and actively participated in local stakeholder initiatives that included not only stream restoration, but also stream mitigation banking, land conservation practices in rural settings, urban trash mitigation, sustainable watershed master planning, and Low Impact Development (LID). Ms. Lutz's specialized experience in stream restoration and stormwater management projects built upon a strong background in hydrologic and hydraulic analyses and design.

- **Proposed Quarry Watershed Hydrology and Stream Stability Assessment. NC. Private Client.** EPR was contracted to perform an integrated hydrologic-hydraulic analysis modeling approach to assess stream stability for three reaches adjacent to a proposed quarry. The analysis estimated the peak flow rates that varied with the progression of proposed quarry operations and took into account groundwater discharge estimates that would need to be pumped out of the quarry. The proposed peak flows were applied to hydraulic models to simulate flow velocities and shear stresses. Model outputs were compared to stability threshold values that were derived from field investigations to predict future stability.
- **Stephens Valley Stream Restoration Project, Williamson County, TN. Cumberland River Compact.** EPR performed a detailed stream restoration design to provide compensatory mitigation along portions of Trace Creek, near Pasquo, TN. The existing creek was impacted from farming and agricultural practices. Portions of the stream are located within a FEMA Zone AE with floodway Special Flood Hazard Area. EPR prepared a No-Rise analysis and CLOMR that was approved in 2022. The project construction was completed in 2024 and the LOMR representing as-built conditions is currently under FEMA review. Ms. Lutz served as the Lead Modeling Engineer for this project.
- **Meadow Brook Stream Restoration. Yadkin County, NC. NC Division of Mitigation Services.** Meadow Brook is a stream mitigation project contracted as turn-key development, EPR is responsible for securing a conservation easement, performing site assessments, developing design plans, obtaining US Army Corps of Engineers approvals for the mitigation plan and associated permits, selecting, and hiring the construction contractor, overseeing construction, and performing post-construction monitoring. The stream is within a FEMA flood hazard area and Ms. Lutz updated effective hydraulic models to reflect the existing conditions, performed detailed proposed conditions modeling, and prepared the FEMA CLOMR submittal and supporting documentation.

ECOSYSTEM PLANNING & RESTORATION | Resume

Russell Myers

Environmental Scientist

Education

MS, Natural Resource Management, North Carolina State University, 2012
BS, Environmental Science, Shepherd University, 2008

Professional Licenses/Certifications

- Rosgen I, Applied Fluvial Geomorphology, Wildland Hydrology, Inc., 2017
- Rosgen II, River Morphology and Applications, Wildland Hydrology, Inc., 2018
- Rosgen III, River Assessment & Monitoring, Wildland Hydrology, Inc., 2023
- Stream Functions Pyramid Workshop, Stream Mechanics, 2019
- TN Qualified Hydrologic Professional In-Training, 2022
- FAA Certified Drone Pilot (2021)

Years of Experience: 13

Mr. Myers has 13 years of experience in environmental and natural resource management, specializing in stream and wetland assessment and restoration. He has experience with project monitoring and land management, stream and wetland design, construction oversight, and project management. Mr. Myers' technical experience includes the use of computer-aided design (CAD), global positioning systems (GPS), geographic information systems (GIS) analysis, and aerial drone photography. He has field experience with stream and wetland assessments, geomorphic surveys, invasive species management, vegetation surveys, threatened and endangered species surveys, jurisdictional water feature delineations, and 404/401 permitting. He has also assisted with various Stream Quantification Tool (SQT) and stream assessment trainings courses, workshops, and field camps.

- **Stream Relocation/Restoration Project (confidential client), Georgia.** Providing watershed assessment, geomorphic existing conditions assessment, natural channel design, and permitting services for a stream relocation/restoration project in Georgia. The goal of the project is to relocate and restore two existing unnamed streams to accommodate for a planned quarry expansion. The project involves approximately 2,000 linear feet of stream relocation and 1,200 linear feet of restoration. This on-going effort was initiated in 2023.
- **Ararat River Restoration Project. Mount Airy, North Carolina.** Provided geomorphic assessment, natural channel design, permitting, and easement coordination for a multi-phase project along the Ararat River in Surry County, NC. The Ararat River has historically been impacted from channelization, agricultural, and industrial impacts and is a major source of sediment into the Yadkin River Basin. This on-going project, initiated in 2005, has restored and stabilized more than four miles or river and several thousand feet of smaller unnamed tributaries within the Ararat River basin.
- **UT to Chinquapin Creek Restoration Project, Surry County, North Carolina.** Project goals were to reduce erosion, restore riparian buffers, and improve habitat and biological health for approximately 2,750 linear feet (LF) of an unnamed tributary to Chinquapin Creek located in downtown Pilot Mountain, NC. Mr. Myers assisted with the site geomorphic assessment, project permitting, natural channel design, and construction oversight.
- **Hayes Fork Creek Mitigation Site, Stewart County, Tennessee.** EPR provided assessment and restoration design services for the Hayes Fork Creek Mitigation Site, which included the restoration of approximately 6,402 linear feet of perennial/intermittent streams and approximately 875 linear feet of ephemeral stream/wet weather conveyance along Hayes Fork Creek (HFC) and three unnamed tributaries. Mr. Myers assisted with the geomorphic site assessment of the project reaches, SQT assessment, CAD and project design, and plan development.

Ecosystem Planning & Restoration | Resume

Scott King, LSS, PWS

Senior Environmental Scientist

Education

MS Soil Science, North Carolina State University, 2006
BS, Biology, College of William and Mary, 1996

Professional Licenses/Certifications

- NC Licensed Soil Scientist #1301, 2008
- Professional Wetland Scientist #1908, 2009
- SC Professional Soil Classifier #122, 2023
- Certificate in Native Plant Studies, UNC Chapel Hill, 2010
- Applied Fluvial Geomorphology, Wildland Hydrology, Inc., 2016
- River Morphology & Applications, Wildland Hydrology, Inc., 2017
- River Assessment & Monitoring, Wildland Hydrology, Inc., 2019
- Natural Channel Design and River Restoration, Wildland Hydrology, Inc., 2022

Total Years of Experience: 23

Years with EPR: 3

Mr. King is a licensed soil scientist and a professional wetland scientist and has a wide range of experience in the environmental field, specializing in water quality projects. He provides a broad array of environmental services including stream and wetland restorations, GIS analysis, wetland delineations, soil evaluations, stormwater BMP projects, and environmental permitting. He has served as project manager for numerous sites across North Carolina and Virginia, encompassing all phases of project development from initial identification and assessment through mitigation planning, permitting, and construction oversight, as well as long-term monitoring and closeout. Scott previously worked as a watershed planner at NCDMS, as a researcher in the Department of Soil Science at NCSU, and as an environmental consultant specializing in wetlands issues.

- **Bandys Farm Stream and Wetland Mitigation Site, Catawba County, North Carolina. NC-DMS.** Responsible for the mitigation plan and project design approval, jurisdictional determinations, wetland credit assessments, GIS mapping, 401/404 and NPDES permit approvals. Also responsible for annual monitoring and report submissions along with credit release reviews. The Project involved the restoration of North Fork Mountain Creek and five of its unnamed headwater tributaries, along with the restoration of adjacent riparian wetlands. The project will provide 7,522 Stream Mitigation Credits (SMCs) as well as 3.19 Riparian Wetland Mitigation Credits (WMCs).
- **Fancy Gap Bog Turtle Stream and Wetland Restoration Site. Carroll County, Virginia. The Nature Conservancy.** Responsible for hydric soil evaluation for wetland mitigation potential. Assisted with site development and assessments including jurisdictional stream and wetland determinations, GIS mapping, 401/404 permitting, mitigation plan approval, and the establishment of monitoring devices and features. The project involved the restoration or enhancement of 4 unnamed tributaries to Big Reed Island Creek totally 4,106 feet within the New River Basin of Virginia, along with the restoration or enhancement of 8.2 acres of adjacent riparian wetlands. The site was constructed in the spring of 2022 and currently in the monitoring phase.
- **Russell Gap Stream and Wetland Mitigation Site. Alexander County, North Carolina. NC-DMS.** Responsible for the hydric soil evaluation for wetland mitigation potential, assisted with site assessments including jurisdictional stream and wetland determinations, GIS mapping, 401/404 permitting, mitigation plan approval, and the establishment of monitoring devices and features. The project involved the restoration or enhancement of 13,066 linear feet of channel along Davis Creek and the East Prong Lower Little River and several of their unnamed tributaries within the Catawba River Basin, along with the restoration or enhancement of 7.3 acres of riparian wetlands.
- **UT to Chinquapin Creek Restoration Project, Surry County, North Carolina. Resource Institute.** The project restored approximately 4,200 linear feet (LF) of stream and associated riparian buffer along UT to Chinquapin Creek in downtown Pilot Mountain, NC. Mr. King was responsible for the existing conditions assessments (wetland and stream delineations and confirmations), and all permit applications and approvals.

SECTION E – ATTACHMENTS A AND B

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT QUALIFICATION QUESTIONNAIRE **Attachment "A"**

PROJECT NAME AML - EOI CEOR 0313 DEP2600000001	DATE (DAY, MONTH, YEAR) 20 August 2025	FEIN 46-1290826
1. FIRM NAME Ecosystem Planning and Restoration	2. HOME OFFICE BUSINESS ADDRESS 17575 N. Eldridge Pkwy, Building C Tomball, TX 77377	3. FORMER FIRM NAME N/A

4. HOME OFFICE TELEPHONE	5. ESTABLISHED (YEAR)	6. TYPE OWNERSHIP	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise)
832-399-3400	2012	Individual Corporation LLC Partnership Joint-Venture	YES (NO)

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
Ecosystem Planning and Restoration, LLC. / 204 Stone Ridge Blvd., Asheville, NC 28804 /
Ph: 828-989-5592 / Jake Byers / 2

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
Kevin Tweedy, Sonny Kaiser, Will Harman, Jake Byers, Emmett Perdue	N/A

9. PERSONNEL BY DISCIPLINE

6 ADMINISTRATIVE	3 ECOLOGISTS	— LANDSCAPE ARCHITECTS	— STRUCTURAL ENGINEERS
— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	— **SURVEYORS**
6 **BIOLOGIST**	— ELECTRICAL ENGINEERS	— **MINING ENGINEERS**	— TRAFFIC ENGINEERS
2 **CADD OPERATORS**	11 ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER
— CHEMICAL ENGINEERS	— ESTIMATORS	1 PLANNERS: URBAN/REGIONAL	
3 **CIVIL ENGINEERS**	1 **GEOLOGISTS**	— SANITARY ENGINEERS	
— CONSTRUCTION INSPECTORS	— HISTORIANS	— SOILS ENGINEERS	
— DESIGNERS	2 HYDROLOGISTS	— SPECIFICATION WRITERS	52 TOTAL PERSONNELL
— DRAFTSMEN			

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2

***RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.**

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? ☐ YES ☒ NO

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".		
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____ No

12. A. Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

(YES) Description and Number of Projects: EPR staff have completed 3 stream restoration project on reclaimed mine lands in WV

NO

B. Is your firm experienced in Soil Analysis?

(YES) Description and Number of Projects: EPR staff have completed >20 projects requiring soil analysis

NO

C. Is your firm experienced in hydrology and hydraulics?

(YES) Description and Number of Projects: EPR staff have completed >20 projects requiring hydrology and hydraulics assessments

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

(YES) Description and Number of Projects: EPR has licensed drone pilots and GIS specialists with experience producing aerial photography and contour mapping.

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects: _____

(NO)

X

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects:_____

NO

G. Is your firm experienced in construction oversight?

(YES) Description and Number of Projects: EPR regularly conducts construction oversight for stream and wetland restoration projects, >20

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Tweedy, Kevin L., Principal Engineer and Vice President	2	25	0

Brief Explanation of Responsibilities

Mr. Tweedy has served as project engineer for over 150 stream restoration projects, from small headwater streams to large rivers in rural and urban environments. He also has extensive experience in stormwater management, hydrologic modeling, groundwater hydrology, and ecosystem monitoring. He served as the lead designer and project manager for the Laurel Creek mine reclamation project in Boone County, WV

EDUCATION (Degree, Year, Specialization)

BS, Agricultural Engineering, Virginia Tech, 1995
MS, Biological and Agricultural Engineering, North Carolina State University, 1998

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	WV Professional Engineer # 020146 Professional Engineer, OK, TX, NC, MD, VA, NY, TN

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Byers, Jake M., Principal Engineer and Vice President	2	18	0

Brief Explanation of Responsibilities

Mr. Byers has served as project manager and project engineer on numerous stream and wetland restoration projects throughout the southeast. These included a stream restoration project in Nicholas County, WV that involved restoring a natural stream through a mined valley with a goal of reducing downstream conductivity. Mr. Byers has extensive experience with site assessment, erosion control, and construction oversight.

EDUCATION (Degree, Year, Specialization)

BS, Biological Engineering, North Carolina State University, 2007

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	WV Professional Engineer # 020039 Professional Engineer, NC, TN, PA

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Perdue, Emmett, Principal Engineer and Vice President		20	0

Brief Explanation of Responsibilities

Mr. Perdue has over 20 years of experience, with particular expertise in stream determinations, ecosystem restoration approaches, and best management practices (BMP) design and implementation, particularly regarding stormwater applications. He was also the lead designer on the Cline Run II stream restoration project in Tyler County, West Virginia.

EDUCATION (Degree, Year, Specialization)

BS, Environmental Science, University of North Carolina at Chapel Hill, 2001
MS, Environmental Engineering, North Carolina State University, 2005

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	Professional Engineer, TX, NC, GA, SC, VA, OK

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Will Harman, Professional Geologist and Principal		31	0

Brief Explanation of Responsibilities

Mr. Harman has 31 years of experience in stream and ecosystem restoration planning and design. Over his career he has developed tools and resources that are now industry standards for stream restoration in most of the US. He has conducted workshops in West Virginia on 'Applying Natural Channel Design Principles to Coal Mine Reclamation Sites'.

EDUCATION (Degree, Year, Specialization)

~~BS, Geography, Appalachian State University, 1991~~
MA, Geography and Earth Science, University of North Carolina at Charlotte, 1991

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	Professional Geologist, NC

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES
Bentley Power GEOPAK v8i and OpenRoads Designer CE
ESRI ArcPro 3.4
HEC-RAS 6.6, HEC-HMS v4.13, HY-8
DJI Drone
Topcon RL-H5 laser level and all associated tapes and measuring rods required to conduct geomorphic stream surveys.
Horiba U-50 Multi-Parameter Water Quality Meter
Required equipment to conduct aquatic macroinvertebrate sampling

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Stewart Creek Tribs Stream Restoration, Surry County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	Site Identification, Stream Restoration Design, Construction Oversight, Monitoring	$3,148,000 for site identification, assessment, restoration design, permitting, construction and oversight, and monitoring	90% (currently in monitoiring year 6 of 7)
Stephens Valley Stream Restoration, Williamson County, TN	Cumberland River Compact 35 Peabody St - Suite 305 Nashville, TN 37210	Stream Restoration Design, Construction Oversight, Monitoring	$2,800,000 for site assessment, restoration design, permitting, construction oversight, and monitoring and $2,060,000 for construction	70% (currently in monitoring year 1 of 7)
Meadowbrook Stream Restoration, Yadkin County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	Site Identification, Stream Restoration Design, Construction Oversight, Monitoring	$1,071,000 for site identification, assessment, restoration design, permitting, construction and oversight, and monitoring	90% (currently in monitoring year 6 of 7)
Bandys Farm Stream and Wetland Restoration, Catawba County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	Site Identification, Stream Restoration Design, Construction Oversight, Monitoring	$3,175,000 for site identification, assessment, restoration design, permitting, construction and oversight, and monitoring	70% (currently in monitoring year 1 of 7)
Coldwater Stream and Wetland Restoration, Dorchester County, SC	Norfolk-Southern Corporation 125 Brosnan Forest Rd Dorchester, SC 29437	Stream Restoration Design, Construction Oversight, Monitoring	$317,000 for site assessment and restoration design, and $5,400,000 for construction	75% (currently in monitoring year 2 of 7)
Greenbriar Stream Restoration, Yadkin County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	Site Identification, Stream Restoration Design, Construction Oversight, Monitoring	$713,000 for site identification, assessment, restoration design, permitting, construction and oversight, and monitoring	90% (currently in monitoring year 6 of 7)
Angel Farms Stream and Wetland Restoration, Caswell County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	Site Identification, Stream Restoration Design, Construction Oversight, Monitoring	$1,728,000 for site identification, assessment, restoration design, permitting, construction and oversight, and monitoring	40% (final mitigation plan currently under review)

TOTAL NUMBER OF PROJECTS:	TOTAL ESTIMATED CONSTRUCTION COSTS: $
7+ total projects	>$20,412,000

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
Hogans Creek	Site assessment, stakeholder outreach, restoration design, hydrology/hydraulics, permitting, construction oversight	Halff Associates 9995 Gate Parkway N Jacksonville, FL 32246	Construction start date not yet known	$5,800,000	$416,000
King-Wright	Site assessment, stream, wetland and buffer designs, permitting, construction oversight	Vivus Viridus, LLC 5255 S. White St. Wake Forest, NC 27587	Construction expected to begin in summer of 2026	Unknown	$347,000
Hopkins Farm	Site assessment, stream, wetland and buffer designs, permitting, construction oversight	NEM Mitigation LLC 700 Universe Blvd Juno Beach, FL 33408	Construction anticipated in 2026	Unknown	$339,000

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
UT to Cooks Creek, Stream Restoration, Surry County, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$70,700 for restoration design services, permitting, and construction oversight $460,100 for construction	2023	Yes
Christian Creek Stream Restoration, Surry County, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$100,000 for restoration design services, permitting, and construction oversight $226,800 for construction	2024	Yes
Yadkin Valley Sewer Authority STrAP-funded sites (for FEMA), stream restoration, Yadkin County, NC	Yadkin Valley Sewer Authority 500 NC Hwy W, Elkin, NC 28261	$215,000 for construction	2021	Yes
UT to Chinquapin Creek Stream Restoration, Pilot Mountain, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$89,000 for restoration design services, permitting, and construction oversight $807,000 for construction	2023	Yes
Beaverdam Creek Mitigation Bank, stream and wetland restoration, Habersham County, GA	Corblue Ecology Group 1305 Lakes Pkwy Lawrenceville, GA 30043	$153,000 for restoration design services only	2024	Yes
Millbrook Exchange Park Stream Restoration, Raleigh, NC	City of Raleigh, North Carolina Dept. of Parks, Recreation, and Cultural Resources, 222 W. Hargett St., Ste. 608 Raleigh, NC 27601	$80,300 for restoration design services only	2024	Yes
Bush Creek Stream Restoration Frederick County, MD	Ecotone Ecological Restoration 4 North Park Dr. - Suite 210 Cockeysville, MD 21040	$83,000 for restoration design services only	2020	Yes
Hitchcock Bayou , Stream restoration Hitchcock, TX	EPR 17575 N. Eldridge Pkwy - Building C Tomball, TX 77377	$1,032,000 for construction	2025	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS CONSTRUCTION OVERSIGHT ON PROJECTS				
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Stewart Creek Tribs Stream Restoration, Surry County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	$3,148,000 for site identification, assessment, restoration design, permitting, construction and construction oversight, and monitoring	2020	Yes
Bandys Farm Stream and Wetland Restoration, Catawba County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	$3,175,000 for site identification, assessment, restoration design, permitting, construction and construction oversight, and monitoring	2024	Yes
Coldwater Stream and Wetland Restoration, Dorchester County, SC	Norfolk-Southern Corporation 125 Brosnan Forest Rd Dorchester, SC 29437	$317,000 for site assessment and restoration design, and $5,400,000 for construction	2023	Yes
Stephens Valley, stream restoration, Williamson County, TN	Cumberland River Compact 35 Peabody St - Suite 305 Nashville, TN 37210	$2,800,000 for site assessment, restoration design, permitting, construction oversight, and monitoring and $2,060,000 for construction	2024	Yes
UT to Chinquapin Creek, stream restoration, Pilot Mountain, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$89,000 for restoration design services, permitting, and construction oversight $807,000 for construction	2023	Yes
Bear Swamp Full Delivery, stream and wetland restoration, Lumber County, NC	NC Division of Mitigation Services 217 West Jones St Raleigh, NC 27603	$803,000 for site identification, assessment, restoration design, permitting, construction and construction oversight, and monitoring	2021	Yes
Christian Creek, stream restoration, Surry County, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$100,000 for restoration design services, permitting, and construction oversight $226,800 for construction	2024	Yes
UT to Cooks Creek, stream restoration, Surry County, NC	Resource Institute, Inc. 2631 Reynolda Rd - Suite A Winston-Salem, NC 27106	$70,700 for restoration design services, permitting, and construction oversight $460,100 for construction	2023	Yes

19. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Beaverdam Creek Mitigation Bank, stream and wetland restoration, Habersham County, GA	Corblue Ecology Group 1305 Lakes Pkwy Lawrenceville, GA 30043	$153,000 for restoration design services only	2024	Yes	Corblu
HB0001 (NC-DOT project), stream restoration, Tyrrell and Dare Counties, NC	NCDOT, 1000 Birch Ridge Dr. Raleigh, NC 27610	$73,000 for restoration design services only	--	No	Three Oaks Engineering
Beane Mitigation Site, wetland restoration, Pender County, NC	NCDOT, 1000 Birch Ridge Dr. Raleigh, NC 27610	$640,000 (for restoration design, construction oversight, monitoring phase)	2022	Yes	NCDOT
Sessom Creek, stream restoration, San Antonio, TX	City of San Marcos, TX 630 E Hopkins San Marcos TX 78666	$160,000 (for restoration design and construction oversight)	2025	Currently under construction	Kimley-Horn

20. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

EPR has a dedicated staff of experienced professionals from a wide range of disciplines who specialize in ecological restoration with an impressive array of completed projects across the United States for many different types of clients.

21. The foregoing is a statement of facts.

Signature: Jake Byers Signer ID: QVSPAZKS15... Title: Principal Date: 20 August 2025

Printed Name: Jake Byers, PE

AML and RELATED PROJECT EXPERIENCE MATRIX

PROJECT	Exp. Basis C=Corp. P=Personnel *	Additional Info Provided in Section (s) **	PROJECT EXPERIENCE REQUIREMENTS															PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional					
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Nitigation/ Replacement	Construction Inspection/Management	Water Treatment	Active/Passive Water Treatment Systems	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Jake Byers	Kevin Tweedy	Will Harman	Emmett Perdue	Scott King	Russell Myers
Cline Run II	C	Section D	X								X		X				X			M		P		
Laurel Creek	C	Section D	X								X		X				X			M				
Boardtree Hollow	P		X			X					X		X				X		P	M				
Bandys Farm	C	Section D				X					X		X				X		P	M			P	P
Coldwater	C	Section D				X					X		X				X			P		M	P	P
Ararat River	C	Section D				X					X		X				X		P	P	M			P
Red Barn	C	Section D				X					X		X				X		P	M		P	P	P
Stephens Valley	C					X					X		X				X		P	M	P		P	P
Spring Creek Ranch	C					X					X		X				X			M		P		P
Stewart Creek Tribs	C					X					X		X				X		P	M	P	P	P	P
UT Chinquapin	C					X					X		X				X		P	M			P	P
Greenbriar	C					X					X		X				X		P	M		P	P	P
Bear Swamp	C					X					X		X				X			M		P		P

*** List whether project experience is corporate or personnel based or both.**

**** Use this area to provide specific sections or pages if needed for reference.**

***** List Primary Design personnel and their functional capacity for the projects listed.**

Attachment "B"

SECTION F – WEST VIRGINIA COMPANY COA

Search: Details

Legal Name:	ECOSYSTEM PLANNING AND RESTORATION
WV Company COA:	**COA Number:** C04803
	COA Status: Active
	COA Issue Date: 09/30/2013
	COA Expiration Date: 12/31/2025
Primary Address of Record:	17575 N ELDRIDGE PKWY BLDG C TOMBALL, TX 77377
Engineer In Responsible Charge:	KEVIN L. TWEEDY
	PE License Number: 020146
	PE License Status: Active
	PE License Expiration: 12/31/2026

This data was retrieved on 8/14/2025.

SECTION G – AML CONTRACTOR FORM OMB #1029-0119

Office of Surface Mining Reclamation and Enforcement
Instructions for Completing the AML Contractor Form OMB #1029-0119

Purpose: The Office of Surface Mining Reclamation and Enforcement Applicant/Violator System (AVS) office is required to conduct eligibility checks for businesses performing abandoned mine land (AML) reclamation work to ensure those businesses are not associated with any coal mining violations in accordance with the Surface Mining Control and Reclamation Act (SMCRA). This form is used to update the AVS database which maintains relationship information between individuals and their associated businesses. If you have any questions, please contact the AVS Office at 800-643-9748.

Part A: General Information: Part A should be completed by the AML Contractor. You can find an electronic fillable form on our website (https://www.osmre.gov/programs/regulating-coal-mines/avs).

Part B: Obtain an Organizational Family Tree (OFT): Part B should be completed by the AML Contractor. An Organizational Family Tree (OFT) indicates the relationships between individuals and their associated business.

You can obtain an OFT two ways:

1. Call the AVS Office at 800-643-9748 to request your company's OFT.
2. Go to the AVS website (https://avss.osmre.gov). Click "Access AVS", and then "Login as Guest". Place your cursor on the "Entity" Module and click. Type your business name (or entity number) in search box and press enter. Select your company and then click on the "Relationship" tab to display your Entity OFT information. Print the Entity OFT from AVS. Review the OFT, if you need to make updates complete Part D. Attach the OFT to your AML Contractor Form.

If you are a new company or this is your first AML bid: Your business is most likely **not** in the AVS. If your company does not appear in the AVS database, move on to Part C, check Box 3, and complete Part D of this form.

If your company has worked on previous AML projects or in the coal mining industry: Your business is most likely in the AVS, but may need to be updated. Obtain and review your OFT and then complete Part C.

Part C: Certifying and updating information in the Applicant/Violator System (AVS). Part C should be completed by the AML Contractor. Please check the box that best describes your situation, sign and date.
Note: Signature date must be recent (within 30 days) to be considered.

Part D: OFT Information. Part D should be completed by the AML Contractor **only** if you want to make updates to what information is in the AVS, or if your company **does not** have any information in the AVS. Include **all** fields, including the relevant begin and/or end dates for individuals, including middle name or initial for individuals if possible.

Answers to Part D FAQs:

Which employees should be included in Part D?
Any current or separated employee of significance should be listed. Refer to the list provided at the top of Part D. For those owning less than 10% reporting the ownership is optional. Include those employees who direct, manage, or control the project. If, for example, a Professional Engineer has the power to determine how the project is conducted you should include him/her on Part D.

What address and phone number should I use?
Use the address and phone number where the person receives business correspondence.

What are the begin and end dates for?
Begin dates indicate when a person started in that position in your company. If an individual still works at the company you can simply fill in the begin date and leave the end date blank or write "N/A". **End dates** are used for indicating that someone no longer works in that capacity or is no longer employed at the company. **If an employee has held more than one position** or title, note the begin dates/end dates for each position.

OMB # 1029-0119
Expiration Date:
01/31/2028

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

Business Name:	Ecosystem Planning and Restoration
Tax ID #:	46-1290826
Address:	204 Stoneridge Blvd.
City, State, & Zip:	Asheville, NC 28804
Phone Number:	828-348-8580
Email Address:	jbyers@eprusa.net

Part B: Obtain an Organizational Family Tree (OFT) from the Applicant Violator System (AVS)

If you plan to certify the existing AVS information or submit updates under Part C, you must include an OFT. Instructions for downloading an OFT from the AVS can be found at: https://www.osmre.gov/sites/default/files/2022-02/OMB%201029-0119%20instructions.pdf. If you require assistance you may contact the AVS Office by phone at: 800-643-9748, or by email at: avshelp@osmre.gov.

Part C: Certifying and updating information in the AVS

Select one of the options, follow the instructions for the selected option, sign, and date below.

I, Jake Byers, PE (Print Name), have express authority to certify that:

☐ 1. Our business is listed in the AVS. The information is accurate, complete, and up to date. (If you select this option, you must attach an Entity OFT from the AVS to this form). Do not complete Part D.

☐ 2. Our business is in the AVS. The information needs to be updated. (If you select this option, you must attach an Entity OFT from the AVS to this form). Complete Part D to provide the missing or corrected information.

☒ 3. Our business is not listed in the AVS. The information needs to be added. Complete Part D to provide the information.

8/20/2025	Jake Byers	Principal
Date	Signature	Title

Signer Name: Jake Byers

OMB # 1029-0119
Expiration Date:
01/31/2028

Part D: OFT Information

Contractor's Business Name: Ecosystem Planning and Restoration

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- **Please list an end date for any person who is no longer with your business.**

Name:	Clarence H. Kaiser III
Address:	17575 N. Eldridge Pkwy. Building C.
City, State, Zip:	Tomball, TX 77377
Begin Date:	10/23/2012
End Date:	-
% Ownership:	33%
Position/Title:	Principal, Sr. Environmental Scientist
Phone Number:	832-257-4452

Name:	William Harman III
Address:	1150 SE Maynard Road, Suite 140.
City, State, Zip:	Cary, NC 27511
Begin Date:	11/1/2012
End Date:	-
% Ownership:	30%
Position/Title:	Principal, Fluvial Geomorphology
Phone Number:	919-818-8963

Name:	Kevin Tweedy
Address:	1150 SE Maynard Road, Suite 140.
City, State, Zip:	Cary, NC 27511
Begin Date:	2/4/2013
End Date:	-
% Ownership:	33%
Position/Title:	Principal, Sr. Water Resources Engineer
Phone Number:	919-999-0262

Name:	
Address:	
City, State, Zip:	
Begin Date:	
End Date:	
% Ownership:	
Position/Title:	
Phone Number:	

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.

SECTION H – CERTIFICATION AND SIGNATURE PAGE

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Jake Byers, EPR Principal

(Address) 204 Stone Ridge Blvd, Asheville, NC 28804

(Phone Number) / (Fax Number) 828-989-5592

(email address) jbyers@eprusa.net

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Ecosystem Planning and Restoration (EPR)

(Company)

Jake Byers

Signer ID: QVSBAZKS1S

(Signature of Authorized Representative)

Jake Byers, EPR Principal, 8/20/2025

(Printed Name and Title of Authorized Representative) (Date)

828-989-5592

(Phone Number) (Fax Number)

jbyers@eprusa.net

(Email Address)

SECTION I – ADDENDUM ACKNOWLEDGEMENT FORMS

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DEP26*01

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Ecosystem Planning and Restoration

Company

Signer ID: QVSPAZK315...

Authorized Signature

20 August 2025

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012

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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 1717189			**Reason for Modification:**
Doc Description: AML - EOI Pre-Qualification for Consultants			
Proc Type: Central Purchase Order			
Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2025-08-01	2025-08-20 13:30	CEOI 0313 DEP2600000001	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: VS0000049765

Vendor Name : Ecosystem Planning and Restoration

Address : 204 Stone Ridge Blvd., Asheville, NC 28804

Street : 204 Stone Ridge Blvd.

City : Asheville

State : NC **Country :** USA **Zip :** 28804

Principal Contact : Jake Byers, PE

Vendor Contact Phone: 828-989-5592 **Extension:**

FOR INFORMATION CONTACT THE BUYER
Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Jake Byers Signer ID: QVSPAZKS15 **FEIN#** 46-1290826 **DATE** 8/20/2025

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

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) ("EOI") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) from qualified firms to provide architectural/ engineering services pursuant to HB 3429.

The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION	ENVIRONMENTAL PROTECTION
OFFICE OF AML&R	OFFICE OF AML&R
601 57TH ST SE	601 57TH ST SE
CHARLESTON WV 25304	CHARLESTON WV 25304
US	US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI Engineering Design Services		

Comm Code	Manufacturer	Specification	Model #
81100000			

Extended Description:
EOI Engineering Design Services

SCHEDULE OF EVENTS

Line	Event	Event Date

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

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

State of West Virginia
Centralized Expression of Interest

Proc Folder:	1717189
Doc Description:	AML - EOI Pre-Qualification for Consultants
Proc Type:	Central Purchase Order
Reason for Modification:	Addendum #1 issued to publish agency responses to vendor submitted questions.

Date Issued	Solicitation Closes	Solicitation No	Version
2025-08-13	2025-08-20 13:30	CEOI 0313 DEP2600000001	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: VS0000049765

Vendor Name : Ecosystem Planning and Restoration

Address : 204 Stoneridge Blvd. Asheville, NC 28804

Street : 204 Stoneridge Blvd.

City : Asheville

State : NC **Country :** USA **Zip :** 28804

Principal Contact : Jake Byers

Vendor Contact Phone: 828-989-5592 **Extension:**

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Jake Byers Signer ID: QVSPAZKS15... **FEIN#** 46-1290826 **DATE** 8/20/2025

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INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue
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