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Header @ 7

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1258817

Procurement Type: Central Purchase Order

Vendor ID: 000000176834

Legal Name: ENVIROSCIENCE INC

Alias/DBA:

Total Bid: \$18,107.90

Response Date: 08/23/2023

Response Time: 15:22

Responded By User ID: hgessel

First Name: Holly

Last Name: Gessel

Email: hgessel@enviroscienceinc.co

Phone: 4407592487

SO Doc Code: CRFQ

SO Dept: 0313

SO Doc ID: DEP2400000004

Published Date: 8/17/23

Close Date: 8/24/23

Close Time: 13:30

Status: Closed

Solicitation Description: AML - Valley Camp Mine Facilities Bat Acoustic Survey

Total of Header Attachments: 7

Total of All Attachments: 7



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: 1258817
Solicitation Description: AML - Valley Camp Mine Facilities Bat Acoustic Survey
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Solicitation Closes	Solicitation Response	Version
2023-08-24 13:30	SR 0313 ESR08232300000000883	1

VENDOR
 000000176834
 ENVIROSCIENCE INC

Solicitation Number: CRFQ 0313 DEP2400000004
Total Bid: 18107.900000000000145519152283 **Response Date:** 2023-08-23 **Response Time:** 15:22:18
Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph 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	Bat Acoustic Survey				18107.90

Comm Code	Manufacturer	Specification	Model #
77102000			

Commodity Line Comments: The costs for required Tasks 1-3 are \$11,949.60. However, if optional Task 4, for an additional acoustic survey, is requested, the total costs for Tasks 1-4 is \$18,107.90

Extended Description:

Bat Acoustic Survey

**AML – VALLEY CAMP MINE
FACILITIES BAT ACOUSTIC SURVEY**
Solicitation Number: **CRFQ DEP2400000004**
Ohio County, West Virginia

Prepared for: Mr. Josh Hager
West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands and Reclamation
601 57th Street SE
Charleston, West Virginia 25304
Joseph.e.hagerIII@wv.gov

Date: 08/23/2023

Prepared by:



5070 Stow Rd.
Stow, OH 44224
800-940-4025
www.EnviroScienceInc.com

1.0 INTRODUCTION

EnviroScience, Inc., a large business under parent company ACRT Services, is pleased to respond to the Request for Quotations for the West Virginia Department of Environmental Protection (WV DEP) Office of Abandoned Mine Lands and Reclamation for the one-time purchase of Bat Acoustic Survey on one abandoned concrete silo within the project area for WV DEP/AML's Valley Camp Mine Facilities Project located in Ohio County, West Virginia. Our staff of expert biologists has the depth and breadth of technical expertise to complete this survey, are federally permitted, and are listed on WV's approved bat surveyor list. We pride ourselves on our ability to complete large-scale, complex ecological surveys for our clients and have done so for over three decades.

The surveys will be completed by agency coordination (Task 1), emergence and acoustic survey on one concrete silo, a known bat roost (Task 2), and final report (Task 3) as detailed below, as well as an optional additional night of acoustic survey (Task 4). Each task will be completed between September 15th and October 31st, 2023, and a final report will be submitted within thirty (30) calendar days of completion of the survey.

2.0 KEY PERSONNEL

EnviroScience has numerous staff capable of addressing many environmental needs, often with cross-training in multiple technical areas. This depth of staff provides great flexibility, responsiveness, and value. Short biographies of key staff are provided below. Resumes of key personnel and copies of permits are provided in Attachment B.



Ms. Mary Gilmore, Senior Bat Ecologist (Federal Permit #TE62311A-5) is the Technical Bat Lead at EnviroScience and specializes in threatened and endangered bats. As an endangered bat biologist, Ms. Gilmore has over 14 years of experience conducting threatened and endangered bat habitat assessments and bat surveys of all types, including acoustic, mist-net, radiotelemetry, and hibernacula surveys. Ms. Gilmore has a USFWS recovery permit for the Indiana bat, northern long-eared bat, and gray bat, and is a Qualified Bat Surveyor in Pennsylvania, Virginia, and West Virginia. She has extensive field experience leading mist net surveys, conducting radiotelemetry, acoustic surveys and call identification, and knowledge of threatened and endangered bats and their habitat. She is proficient in using Global Positioning Systems (GPS) to map ecological features. Ms. Gilmore has completed the Acoustic Techniques and Analysis course and the AnalookW Analysis Course provided by Titley Scientific and Acoustic ID of Eastern Bats provided by Vesper Bat Detection Services. Ms. Gilmore can visually identify Midwestern bat calls using standard bat acoustic techniques and is proficient with the automated acoustic software Kaleidoscope Pro.



Mr. Dan Cox, Senior Bat Ecologist (Federal Collection Permit #TE43605A-4) is a senior EnviroScience team member specializing in threatened and endangered bats with over 17 years of professional experience. Mr. Cox has a USFWS recovery permit for the Indiana bat, northern long-eared bat, and gray bat, and is a Qualified Bat Surveyor in Pennsylvania, Virginia, and West Virginia. Mr. Cox has experience conducting threatened and endangered bat habitat assessments and bat surveys of all types, including acoustic, mist net, radiotelemetry, and

hibernacula surveys. Mr. Cox has in-depth experience with acoustic call identification, USFWS coordination, and all forms of bat survey on various size properties for many industries. He has completed the Acoustic Techniques Workshop provided by Northtronics USA, Acoustic ID of Eastern Bats provided by Vesper Bat Detection Services, and Evaluating Acoustic Bat Surveys for ESA Compliance. Mr. Cox can visually identify Midwestern bat calls using standard bat acoustic techniques and is proficient with the automated acoustic software Kaleidoscope Pro.



Mr. Sean Kline, Bat Ecologist (WV Permit #2023.236) is a member of the EnviroScience team specializing in threatened and endangered bat surveys. As an endangered bat biologist, Mr. Kline has over 7 years of experience conducting threatened and endangered bat habitat assessments and bat surveys of all types, including acoustic, mist-net, radiotelemetry, and hibernacula surveys. Additionally, he has extensive agency coordination experience, project management experience as well as field experience leading mist net surveys, acoustic surveys, conducting radio telemetry, and knowledge of threatened and endangered bat ecology and their habitat. He is proficient in using Global Positioning Systems (GPS) to map wetland boundaries and ecological features as well as the use of ArcMap. Mr. Kline has conducted ecological work throughout Ohio, West Virginia, Pennsylvania, Kentucky, Missouri, Massachusetts, New York, Georgia, South Carolina, and North Carolina. Mr. Kline has also completed the Combined Field Survey Techniques workshop provided by Bat Survey Solution, LLC.

3.0 SCOPE OF WORK

EnviroScience will conduct an emergence and an acoustic emergence survey on the 150' tall concrete silo, a known bat roosting location within the project area. Bat emergence and acoustic surveys will follow methodology set by the U.S. Fish and Wildlife Service (USFWS) and WV Division of Natural Resources (WVDNR) to determine the quantity, presence, and species present of any bat species roosting in the silo. Surveys will be completed between September 15th and October 21st, 2023.

TASK 1: AGENCY COORDINATION

EnviroScience, Inc. will compile a study plan and site-specific authorization request in accordance with USFWS and WVDNR standards and requirements for the effort needed to properly conduct an emergence and acoustic emergence survey at the top of the silo within the project area. The study plan will include a request of information for any previously documented use of the silo as hibernacula or other habitat for federally listed bat species. The study plan will also include a detailed summary of survey methods to conduct the survey.

The product of this task must be submitted to the USFWS and WVDNR approximately 30 days prior to the anticipated start of field effort. Approval from both the USFWS and WVDNR must be received before field efforts can begin.

TASK 2: EMERGENCE AND ACOUSTIC SURVEYS

EnviroScience will conduct an emergence survey as well as an acoustic emergence survey within 30 meters (approximately 98 feet) of the top of and surrounding the silo. The surveys will follow the methodology detailed in the USFWS 2023 summer survey guidelines (March 2023).

The primary objective of this survey is to determine the species utilizing the silo. Therefore, because this is not a presence/absence survey, the minimum effort outlined in the USFWS guidance is not applicable for this survey.

Prior to placing acoustic detectors, an emergence survey of the silo will be completed. This survey will help determine where the bats are exiting, quantity, flight patterns (height, direction, etc.), and timeframe of the emerging bats. The results of this survey will help biologists to accurately place acoustic detectors the following night of survey. Biologists will conduct this emergence survey following the USFWS 2023 summer survey guidelines (March 2023). Two biologists will be stationed on opposite sides of the silo to watch for bats emerging.

On the following night of survey, at least four acoustic bat detectors will be utilized during the survey. At least two units will be deployed using a 135-foot-tall articulating boom lift and placed within 30 meters of the top of the silo using poles attached to the lift basket. Detectors will be focused on the area adjacent to the silo near where bats emerged during the emergence survey. Setting detectors in the adjacent fly-space will collect more clear calls for identification, rather than pointing the acoustic detectors directly at the silo/emerging bats. At least two additional detectors will be deployed in surrounding habitat in an effort to detect the bats when they are emitting normal feeding echolocation calls. This method will document emergence time from the silo, as well as detection of bats using the surrounding landscape. Biologists will also attempt to follow bats after emergence with detectors in hand on ground level.

EnviroScience will use Titley Scientific and/or Wildlife Acoustics, Inc. detectors for the survey. These detectors are waterproof units and do not require additional weatherproofing. Data will be collected in full-spectrum. Detectors, or their microphone, will be elevated at least 3 meters above ground level vegetation to record higher quality calls within the surrounding habitat. The Titley Scientific detectors have directional microphones, and the Wildlife Acoustics detectors have omnidirectional microphones. The locations of detectors and the decision to use the directional or omnidirectional microphone will be determined in the field by a qualified biologist in order to collect the best calls and identify species utilizing the silo.

The acoustic survey will begin approximately 30 minutes before sunset and continue until about an hour after sunset. This timeline matches the guidance for an emergence survey. Setting the units out through sunrise is not recommended because other bat species that are not utilizing the silo may be recorded. Surveys will not be conducted during severe weather during the survey period, defined as: (a) temperatures that fall below 50°F (10°C); (b) precipitation, including rain and/or heavy fog, that exceeds 30 minutes or continues intermittently during the survey period; and (c) sustained wind speeds greater than 9 miles/hour (4 meters/seconds; 3 on Beaufort scale) for 30 or more minutes.

If species identification cannot be determined with one night of acoustic data, an additional survey night will be completed the following day following the identical parameters and guidance as previous survey (Task 4).

TASK 3: FINAL REPORT

Results of the survey will be provided in a Bat Acoustic Survey Report, following the requirements of the USFWS. This report will list the location of each acoustic detector site, methodology, the conditions which existed during the survey night, and the amount, species, as well as detailed mapping and photographs of the survey area.

The acoustic report will also include automated acoustic analysis for each detector recording file each detector site, each night, using a USFWS approved version of the bat call identification software Kaleidoscope Pro. Each file will be cleaned and processed individually to indicate which bat species are likely utilizing the site. In cases where the software identified a potential listed bat call, the individual call will be qualitatively vetted by a qualified biologist. The report will be delivered within thirty (30) calendar days of the survey completion date with one electronic copy and two hardbound copies to the WV department of Environmental Protection/Office of Abandoned Mine Lands and Reclamation.

4.0 COSTS

A cost summary is contained in Table 1 below. Attachment A includes detailed costs for each task included in this project.

Table 1. Project Costs

Description	Fee
Task 1 – Agency Coordination	\$756.00
Task 2 – Emergence and Acoustic Survey (2 nights of survey)	\$8,370.60
Task 3 – Acoustic Survey Report	\$2,823.00
Task 4 – Additional Acoustic Survey (Optional)	\$6,158.30
Total for Tasks 1-3	\$11,949.60
Total for Tasks 1-4	\$18,107.90

5.0 QUALIFICATIONS AND PAST EXPERIENCE

COMPANY DESCRIPTION

EnviroScience has provided technical services and supported environmental design and regulatory requirements for federal, state, and municipal governments, departments of transportation, as well as mining, industrial, engineering, and private sector firms since 1989. Our staff brings a broad range of scientific, construction, engineering, and project management expertise to the table, providing a depth of staff and specialized ecological company focus that sets us apart from the competition. Our ecological consulting services are nationally recognized and include restoration and environmental compliance assistance on projects of all sizes for freshwater mussels, bats, fisheries, aquatic surveys, and streams and wetlands. We additionally have a large bioassay and taxonomy identification laboratory to support various ecological and biomonitoring projects, including whole effluent toxicity and harmful algal bloom testing. EnviroScience is a small business headquartered in Stow, Ohio, with additional offices in Nashville, Tennessee; Richmond, Virginia; and Morgantown, West Virginia.

Employing around 130 permanent employees, EnviroScience’s staff includes over 90 scientists with advanced degrees and certifications. EnviroScience also features a Marine Services Group that employs a team of full-time ADCI commercial divers, including three certified supervisors.

Together, EnviroScience employees create a network of highly specialized and skilled experts, each bringing a unique interpretation and perspective to problem-solving. Few firms in the country retain as many biologists, engineers, divers, and scientists under one roof, and most of our staff have over 10 years of experience in their respective fields.

Our reputation for Excellence in Any Environment has been built one project at a time. We ensure each project's success by using technically sound and proven scientific protocols, understanding current regulatory climates, providing accurate and detailed reporting, and having a commitment to superior client service while remaining cost-conscious. EnviroScience's technical expertise and company size are ideal for addressing almost any problem within our skillset while allowing the agility and flexibility to meet the changing demands of projects. Incorporating advances in technology and regulatory compliance into every project enables EnviroScience to exceed our client's expectations while adhering to a fixed budget and meeting aggressive schedules.

EnviroScience maintains an inventory and access to advanced technology and equipment to meet the demands of ever-changing regulations and satisfy the any size project's needs. Our inventory includes a fleet of sampling and diving vessels, electrofishing gear for any application, water quality meters, work trailers, depth temperature and flow survey equipment, as well as extensive hardhat and surface-supplied air diving equipment, and underwater construction equipment. EnviroScience maintains a fleet of over 10 boats, 20 vehicles, and an Argo Amphibious ATV. We have invested significant resources in sub-meter accurate GPS units and GIS software, enabling us to import field data into AutoCAD® and ArcGIS® for advanced analysis or production of full-sized color maps. This resource transforms complex data into an easily understood format that engineers can import into AutoCAD® or MicroStation® and use directly in their site design.

EnviroScience's extensive experience with large-scale sampling projects continues to the present with support to USEPA's National Aquatic Resource Surveys (NARS) program. Since 2012, EnviroScience has provided USEPA's Office of Water with logistical support, data management, field sampling support, periphyton identification services, and a wide variety of other technical services to USEPA as part of the National Rivers and Streams Assessment and the National Coastal Assessment. These surveys involve multiple task orders that require managing numerous concurrent tasks and careful coordination of multiple stakeholders and participants.

A true test of performance is client satisfaction. Our dedication and technical excellence have resulted in many repeat clients and established EnviroScience as the premier service provider in this highly specialized and competitive field.

DEMONSTRATION OF PAST EXPERIENCE

EnviroScience has extensive experience conducting large-scale ecological investigations on properties of several thousand acres. EnviroScience has over 20 years of experience performing bat surveys for state and federally listed species. EnviroScience offers a suite of Threatened and Endangered Species services including presence/absence mist-net and acoustic surveys, population inventories, emergence surveys, and hibernacula surveys. Our biologists are well versed in individual state and federal regulatory requirements and use this knowledge to develop project specific plans.

A summary of representative experience is contained in Table 2 below. Full project summaries are available upon request.

Table 2. Demonstration of Past Experience

	Vegetation Survey	Avian Survey	Large Site (>1000 ac)	Reptile/Amphibian Survey	Ecological Survey Reports	Endangered Species Survey and Coordination	Bat Survey	Fish Survey	Natural Resource Management Plan	GIS	Government Contractor Facility
Mon-Fayette Expressway fall hibernacula survey and summer mist-net survey			●		●	●	●				
NASA GRC-ATF/ GRC-LF Multi-Taxa Survey and Management Plan	●	●	●	●	●	●	●	●	●	●	●
Midwest Nuclear Station Ecological Survey – Piketon, Ohio	●	●	●	●	●		●	●		●	
NASA GRC-PBS/ GRC-LF Delineation	●		●		●					●	●
NASA GRC-LF Bat Survey							●				●
Portsmouth Bypass Corridor SCI-823-0.00/6.81			●		●	●	●			●	●
Camp Ravenna INRMP Update					●		●	●	●	●	●
Camp Ravenna Delineations			●		●					●	●
Indiana Bat Mist-net and Mussel Surveys at various Military Training Facilities, U.S. Army (GSA Contract)			●		●	●	●			●	●
Willow Creek Restoration and Preservation Plan	●		●		●			●		●	●
Euclid Creek Lacustrine Restoration Project – GLRI Funded Project				●	●	●		●		●	●
TN Army National Guard Survey	●	●	●	●	●	●	●	●	●	●	●
ALL-75 Corridor Project	●		●		●					●	●
USEPA National Aquatic Resource Surveys								●		●	●
WVDEP-AML Fairmont Connector Portal Survey					●	●	●			●	

SCHEDULE AND AGREEMENT

EnviroScience, Inc. is prepared to begin work immediately upon written authorization to proceed. Field work will be completed between September 15th and October 31st, 2023. Surveys will begin the week of September 15th, weather permitting. Costs for this proposal are presented in Attachment A. The price in this proposal is valid for 60 days from the date of issuance. Terms and Conditions are provided below.

Once the task(s) have been accepted, an officer of EnviroScience will sign, and we will return a fully executed copy for your records.

EnviroScience Executive Officer

Date

Accepted and Authorized to Proceed

Name

Title

Date

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) _____

(Address) _____

(Phone Number) / (Fax Number) _____

(Email address) _____

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, 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.

(Company) _____

(Signature of Authorized Representative) _____

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

(Phone Number) (Fax Number) _____

(Email Address) _____

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: _____
 Tax ID #: _____
 Address: _____
 City, State, & Zip: _____
 Phone Number: _____
 Email Address: _____

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, _____, have express authority to certify that:
 (Print Name)

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.

Date_____
Signature_____
Title

Part D: OFT Information

Contractor's Business Name: _____

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

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

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

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.



MARY GILMORE

Senior Bat Ecologist / Technical Bat Lead

Mary Gilmore has nineteen years professional experience as an ecologist and has been with EnviroScience, Inc. since 2008. Mary is a senior biologist and the EnviroScience Bat Technical Lead. Ms. Gilmore holds a USFWS bat recovery permit for the Indiana bat, northern long-eared bat, and gray bat, and is listed as a Qualified Bat Surveyor with the State of West Virginia and the Commonwealth of Pennsylvania. She has extensive field experience leading bat surveys across the eastern U.S., including mist-net surveys, acoustic detection and analysis, conducting ground/aerial radio telemetry, cave surveys, harp trapping, and knowledge of threatened and endangered bats and their habitat. She has extensive experience conducting regulatory surveys for endangered species of bats on proposed natural gas pipelines, proposed coal mines, DoD facilities, Federal Highway Administration projects, state-owned conservation lands, and state DOT projects. Her extensive ecological experience includes bat surveys, vegetation surveys, aquatic insect sampling, freshwater mussel surveys, avian surveys, and amphibian population monitoring.

EDUCATION

B.S. Forestry and Wildlife Management, 2008

CERTIFICATIONS

USFWS Recovery Permit (TE62311A-5)
 Indiana bat
 Northern long-eared bat
 Gray bat

YEARS OF EXPERIENCE

EnviroScience, Inc.: 9

TRAININGS

Acoustic Techniques Analysis Course, Titley Scientific

AnaLookW Analysis Course, Titley Scientific

40 hr USACE Basic Wetland Delineation, Wetland Training Institute, Inc.

Ohio Rapid Assessment Method (ORAM)

Headwater Habitat Evaluation Index (HHEI) training

Qualitative Habitat Evaluation Index (QHEI) Training

CSX FRA Training

Canadian National Railroad Safety Training

40 hr OSHA HAZWOPER Training Course

10 hr OSHA Safety Training

RELEVANT EXPERIENCE

Threatened and Endangered Bats

SELECTED PROJECT EXPERIENCE

Tennessee Army National Guard, Volunteer Training Sites Mist-Net Survey and Radio Telemetry, Field Manager, Catoosa, Georgia; Milan, Tennessee, and Smyrna, TN 2020 – 2021. Led mist-net surveys at three Volunteer Training Sites in Georgia and Tennessee, targeting rare, state and federally listed bat species. Utilized aerial and ground telemetry to track 12 bats. Caught 112 gray bats, 10 tricolored bats and two northern long-eared bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

Ohio Army National Guard Training Site – Camp James A. Garfield, 2021 – 2022 and 2015-2016. Utilized mist-net surveys and radio telemetry techniques to document the spatial and temporal use and distribution of bats within the 25,000-acre National Guard Training facility targeting rare/endangered bats. Analyzed past capture data, past acoustic data, and aerial and natural resource mapping, and available on-site habitat to determine mist-net locations.

NASA Glenn Research Center – Neil A. Armstrong Test Facility and Lewis Field, 2022 and 2016. Coordinated and conducted bat acoustic surveys at Lewis Field in Cleveland (350-acres) and bat mist-net surveys at Neil. A. Armstrong in Sandusky (6,400-acres) targeting rare/endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence. Coordinated data collection effort and survey site locations, entered and analyzed data, and prepared a final report.

Ms. Gilmore has over 19 years of experience conducting threatened and endangered habitat assessments and bat surveys.

RELEVANT EXPERIENCE (CONT'D):

Mist- Net Surveys

Acoustic Surveys

Bat Hibernacula Surveys

Harp Trapping

WNS Surveys

Radio Telemetry



Pennsylvania Turnpike Commission, Mon/Fayette Expressway PA 51 to I-376 Mist-Net Survey, Field Manager, Allegheny County, PA, 2019. Led mist-net survey along a 14-miles proposed highway corridor targeting state and federally listed bat species. Project responsibilities involved in-depth coordination with USFWS and PA Game Commission, selection of mist-net site locations, leading a radio telemetry effort to locate roost trees, logistics and scheduling, and preparing a technical report for agency review and coordination. Portals were documented and assessed for potential bat habitat. Portals exhibiting qualities supporting bat habitat were surveyed using harp traps and mist-nets, along with acoustic detectors, to determine the presence of hibernating bats.

Appalachian Ohio Alliance / Ohio Department of Transportation, Habitat Assessments and Conservation Planning, Field Manager, 2018. As part of a larger bat mitigation project, led habitat assessments for the suitability of potential bat habitat at selected properties in Ohio. Assisted with drafting habitat assessment reporting and conservation planning.

Virginia Department of Transportation, Mist-Net Surveys, Project Manager Various Counties in VA, 2015 and 2016. Project Manager for various presence/absence bat mist-net surveys throughout Virginia targeting northern long-eared and Indiana bats. Projects involved coordination with state and federal agencies, leading mist-net survey, and technical reporting.

Kentucky Division of Fish and Wildlife Resources, White Nose Surveys, Various Counties, 2011 and 2014. Assisted with hibernacula white nose surveys in known Indiana bat hibernacula in various counties throughout Kentucky.

Civil and Environmental Consultants, Inc, Assistant Project Manager, October 2010 – December 2014. Performed wetland and stream delineations, vegetation monitoring, mitigation monitoring, ecological surveys for aquatic and terrestrial species, and threatened and endangered species surveys. Assessed resources using ORAM, HHEI, QHEI, VIBI, and Stream and Wetland Valuation Metric methods for associated projects. Responsibilities included technical reporting permit preparation for federal and state agencies, bat surveys and data entry.

Curry and Kerlinger, Biological Field Technician and Field Supervisor, 2009. Conducted avian and bat mortality surveys at wind farms in Pennsylvania and New York. Prepared weekly and monthly reports and field tested crews.

Biological Field Technician, Indiana Bat Foraging Research, OSU, Pickaway County, Ohio, 2008 and 2010. Assisted a graduate student studying the foraging patterns of Indiana bats. Approximately 34 Indiana bats were tracked to collect day roosting behavior and foraging behavior for the life of their transmitter.



EDUCATION

Graduate Certificate, Applied Statistics, University of Kentucky, 2007

MS Biological Sciences, Eastern Illinois University, 2005

BS Zoology, Minor in Chemistry, Eastern Illinois University, 2001

TRAININGS

AnaBat Techniques Workshop, Northtronics USA

USFWS Recovery Permit – Indiana bat, northern long-eared bat, gray bat

YEARS OF EXPERIENCE

EnviroScience, Inc.: 7

RELEVANT EXPERIENCE

Project Management

Threatened and Endangered Bats

Acoustic Bat Survey and Data Analysis

Mist Net Survey

Endangered Habitat Assessments

Radio Telemetry

Bat Hibernacula Survey

DAN COX

Senior Bat Ecologist

Dan Cox has nineteen years professional experience as an ecologist and has been with EnviroScience, Inc. since 2016. He currently serves as a Senior Bat Ecologist for the Company. Mr. Cox has surveyed bat communities throughout the eastern United States since 2006. As a research associate at the University of Kentucky, Mr. Cox's research focused on the effects of prescribed burning on two federally listed species of bats (Indiana bat and northern long-eared bat). He has extensive experience conducting regulatory surveys for endangered species of bats on proposed natural gas pipelines, proposed coal mines, DoD facilities, Federal Highway Administration projects, state-owned conservation lands, and state DOT projects. Mr. Cox's experience not only includes surveying various rare species of flora and fauna, but also includes writing management plans for those species and implementing habitat management. He is proficient in a variety of field techniques, including mist-netting, Harp trapping, acoustic surveys, cave surveys, live-trapping, pit fall trapping, attaching transmitters to bats, habitat management, avian surveys, herpetofauna surveys, and aerial/ground radio telemetry.

SELECTED PROJECT EXPERIENCE

Regulatory Bat Mist Net Survey, Radio Telemetry, Pennsylvania, 2022.

Conducted a rare bat mist-net survey along a proposed natural gas pipeline corridor. Conducted radio telemetry on northern long-eared bat to determine habitat use.

Ohio Army National Guard Training Site – Camp James A. Garfield, 2021 – 2022 and 2015-2016.

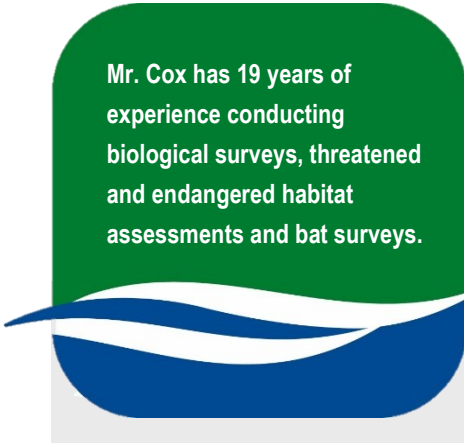
Utilized mist-net surveys and radio telemetry techniques to document the spatial and temporal use and distribution of bats within the 25,000-acre National Guard Training facility targeting rare/endangered bats. Analyzed past capture data, past acoustic data, and aerial and natural resource mapping, and available on-site habitat to determine mist-net locations.

Wood Environmental Infrastructure Solutions, Inc and Tennessee Valley Authority, Eagle Creek Transmission Line Bat Survey, KY and TN, 2020.

Conducted a rare bat presence/absence mist net survey along a proposed transmission line project.

NASA Glenn Research Center – Neil A. Armstrong Test Facility and Lewis Field, 2022.

Utilized mist-net and acoustic surveys to document the presence/absence of bats within the facilities targeting rare/endangered bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.



Mr. Cox has 19 years of experience conducting biological surveys, threatened and endangered habitat assessments and bat surveys.

Tennessee Army National Guard, Volunteer Training Sites Mist-Net Survey and Radio Telemetry, Field Manager, Catoosa, Georgia; Milan, Tennessee, and Smyrna, TN 2020 – 2021. Utilized mist-net surveys at three Volunteer Training Sites in Georgia and Tennessee, targeting rare, state and federally listed bat species. Utilized aerial and ground telemetry to track 12 bats. Caught 112 gray bats, 10 tricolored bats and two northern long-eared bats. Acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

Conservation Easements, South Carolina, 2019. Conducted mist net surveys within 6 conservation easements to determine bat species diversity. Bat surveys were part of a comprehensive species inventory used to guide management actions.

Mist-net, Portal search, and Wetland Delineation, Burgess & Niple / West Virginia Division of Highways, 2018. Surveyed 4.6-mile proposed highway corridor for endangered bats and potential bat portals. A total of 70 net-nights were completed and two northern long-eared bats were captured during mist-net surveys. Completed a routine wetland delineation within the proposed highway corridor.

Prologis Industrial Park, Illinois, 2018. Conducted a rare bat acoustic survey for a 201-acre area of a proposed industrial park. The acoustic data was first analyzed using Kaleidoscope Pro and then manually vetted to confirm species presence/absence.

KY State Nature Preserves Commission (August 2011 - March 2014). As the Eastern Preserves Manager, I bioinventoried terrestrial vertebrates for approximately 6,000 acres of public lands distributed amongst 16 conservation areas. Bats were surveyed using both acoustic monitors and mist nets.

Jackson Environmental, 2011. Fort Drum Military Installation, New York. Coordinated a multi-year, ongoing research project on bat population dynamics. Duties included crew supervision, mist netting, acoustic sampling, data management, and ground and aerial radiotelemetry. I reviewed, summarized, and regularly coordinated results of acoustic surveys with military personnel.

Jackson Environmental, 2010. Midland Wind Resource Area, Henry County, Illinois, Iberdrola Renewables. Assessed habitat and surveyed approximately 25,793 acres for Indiana bats (*Myotis sodalis*). Additional duties included coordination with regulatory agencies, data analysis, AnaBat acoustic monitoring, and report preparation.

Jackson Environmental, 2010. Effects of Blasting on Bat Hibernaculum, Clark County, Kentucky, Palmer Engineering Company Inc. Conducted acoustic surveys for presence of bats and determined effects of blasting on hibernating bats. Duties included acoustic monitoring, running auto-identification software and manually vetting bat calls, report preparation, and coordination with regulatory agencies.

Environmental Solutions and Innovations, 2009. The Conservation Fund. Manually vetted and interpreted thousands of bat call sequences for various species during acoustic studies completed across the eastern range of the Indiana bat in nine states.

Environmental Solutions and Innovations, 2008. Equitrans, Ranger Pipeline. Participated in field surveys for the endangered Indiana bat along a proposed 70-mile, natural gas pipeline in Martin and Floyd counties, Kentucky. Responsible for AnaBat site selection, data collection and analysis, mist net surveys and habitat assessments.



SEAN KLINE

Project Manager / Bat and Wetland Biologist

Mr. Kline is a project manager and wildlife biologist with EnviroScience Inc. since 2018, specializing in threatened and endangered (T&E) wildlife surveys and wetland/stream delineations and permitting. As a bat ecologist, Mr. Kline has over six years of experience conducting threatened and endangered wildlife surveys. He has extensive field experience in performing mist net, cave portal, and acoustic surveys; radio telemetry; and identification of T&E bats and their winter and summer habitat. As a project manager and wetland/stream scientist, Mr. Kline has over six years' experience conducting wetland and stream delineations, construction, erosion and sediment control/construction compliance monitoring, project management, permitting in both Ohio and West Virginia. Mr. Kline has conducted ecological work throughout Ohio, West Virginia, Pennsylvania, Kentucky, Tennessee, Missouri, Massachusetts, Georgia, North and South Carolina, and New York.

EDUCATION

B.S. Wildlife and Fisheries Management, Minor in Conservation Ecology, West Virginia University, 2016

A.S. Wildlife Sciences and Fisheries Management and Aquaculture, Hocking College, 2014

CERTIFICATIONS

Combined Field Survey Techniques for Bats, Bat Survey Solutions, LLC

Ohio Rapid Assessment Method (ORAM), The Ohio EPA

Qualitative Habitat Evaluation Index (QHEI), The Ohio EPA

Headwater Habitat Evaluation Index (HHEI), The Midwest Biodiversity Institute

Wetland Delineation Training, Swamp School, LLC.

sUAS Commercial Drone Pilot, 2022

Project Management and Project Leadership Training, 2022

CPR, 2021

YEARS OF EXPERIENCE

EnviroScience, Inc.: >4

AllStar Ecology, LLC.: 3

RELEVANT EXPERIENCE

Project Management

Threatened and Endangered Bats

Wetland / Stream Delineating and Permitting

Bat Habitat Assessments and Mitigation

SELECTED PROJECT EXPERIENCE

Endangered and Threatened Bat Species Presence/Absence Surveys, Undisclosed Clients, West Virginia, Ohio, and Pennsylvania 2016-Present.

Conducted mist net surveys for proposed associated pipeline construction activities and road construction/widening throughout West Virginia, Pennsylvania, and Ohio. Responsibilities included agency coordination, transportation of crews to mist net sites, location of suitable habitat, mist net implementation, bat capture and identification, radio telemetry, mapping, and report generation.

Potential Bat Roost Tree and Hibernacula Surveys and Rocket Box Installation/Monitoring. Undisclosed Clients, West Virginia, 2016-Present.

Surveyed hundreds of acres across West Virginia for T&E bat species suitable summer habitat, including potential roost trees and hibernacula. Led survey field crews as well as mapped habitat types and generated reports for various clients and agencies. Led crews for in-house construction of rocket boxes and led field crews in the installation process and position of boxes onsite. Monitoring of rocket box occupancy continued two years after installation and included daytime presence/absence surveys, netting/capturing bats, identifying species, collecting morphological data, and implementation of White Nose Syndrome (WNS) protocols.

Wetland and Stream Delineations, Project Reporting and Permitting, Undisclosed Clients, throughout Ohio and West Virginia, 2016-Present.

Completed wetland and stream delineations, project management, reporting, and permitting throughout Ohio and West Virginia. Utilizing training using QHEI, HHEI, and ORAM assessment methods to delineate streams and wetlands and generate appropriate reports quickly and accurately.



Issuing Office:

Department of the Interior
U.S. FISH & WILDLIFE SERVICE
Endangered Species Permit Office
5600 American Boulevard, West, Suite 990
Bloomington, MN 55437-1458
permitsR3ES@fws.gov

**ALISA
SHULL**

CHIEF - ENDANGERED SPECIES

Digitally signed by

ALISA SHULL

Date: 2020.08.27

11:46:46 -05'00'

Permittee:

MARY BRIGID GILMORE
5070 STOW ROAD
STOW, OH 44224
U.S.A.

Authority: Statutes and Regulations: 16 USC 1539(a), 16 USC 1533(d); 50 CFR 17.22, 50 CFR 17.32, 50 CFR 13.

Location where authorized activity may be conducted:

Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maryland, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Vermont, Virginia, West Virginia, and Wyoming.

Reporting requirements:

ANNUAL REPORT DUE: 01/31

See permit conditions for reporting requirements

Authorizations and Conditions:

- A. General Conditions set out in Subpart B of 50 CFR 13, and specific Conditions contained in Federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accord with and for the purposes described in the application submitted. Continued validity, or renewal of this permit is subject to complete and timely compliance with all applicable Conditions, including the filing of all required information and reports.
- B. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local, tribal, or other Federal law.
- C. Valid for use by Mary B. Gilmore.
 - C.1. Unnamed assistants may work on permitted activities under the direct and on-site supervision of Mary Gilmore. "On-site supervision" is defined as having the Permittee at a distance close enough to enable immediate assistance to a supervised individual, as needed, while the supervised individual conducts an authorized activity. **Mary Gilmore must remain present at each mist-net site and harp trap site while it is being operated.**
- D. Acceptance of this permit serves as evidence that the Permittee and its authorized agents understand and agree to abide by the terms of this permit and all sections of Title 50 Code of Federal Regulations, Parts 13 and



17, pertinent to issued permits (<https://www.fws.gov/permits/ltr/ltr.html>). Section 11 of the Endangered Species Act of 1973, as amended, provides for civil and criminal penalties for failure to comply with permit Conditions.

A request for permit renewal using Application Form 3-200-59 and the \$100 application processing fee must be received **at least 30 days prior to the expiration date** of this permit to continue conducting authorized activities under the expired permit while your application is being processed (subject to compliance with 50 CFR, Parts 13.21 and 13.22: https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&sid=a1d34199d1ab36c8b78ecd06a7fa5180&tpl=/ecfrbrowse/Title50/50cfr13_main_02.tpl). When these requirements are not met, this permit becomes invalid on the expiration date. *Unless otherwise instructed within the Authorizations and Conditions, annual reports* are due by January 31 following each year your permit is in effect and shall be submitted to all offices identified in the permit Conditions, as appropriate. The following website link provides the permit application Form 3-200-59 and the mailing address to the Bloomington, MN - U.S. Fish and Wildlife Service, Endangered Species Office: <https://www.fws.gov/angered/permits/how-to-apply.html>.

- E. Permittee is authorized to take (capture with mist-nets or harp traps, handle, identify, band, attach radio-transmitters, collect non-intrusive measurements, and release) gray bat (*Myotis grisescens*), and take (capture with mist-nets or harp traps, handle, identify, band, attach radio-transmitters, collect non-intrusive measurements, collect hair, fungal lift tape, swab and wing biopsy samples, enter hibernacula or maternity roost caves, and release) Indiana bat (*M. sodalis*) and northern long-eared bat (*M. septentrionalis*) for scientific research aimed at recovery of the species: presence/absence surveys, studies to document habitat use, population monitoring, and to evaluate potential impacts. This permit does **not** authorize the collection of voucher specimens.
- F. Activities are authorized at the following locations:
- F.1. Within the U.S. Fish and Wildlife Service (USFWS) Regional New Mexico office State: Oklahoma upon receipt of written concurrence from the Field Supervisor, and upon coordination with Ozark Plateau National Wildlife Refuge prior to 1) surveys of caves known to be used by federally-listed bats, and 2) examinations of caves suspected of containing federally-listed bat species (some presence/absence surveys may require the presence of a USFWS Biologist), and as outlined in Condition G.
- F.2. Within the USFWS Regional Minnesota office States: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
- F.3. Within the USFWS Regional Georgia office States: Alabama, Arkansas, Florida, Georgia, Kentucky, Mississippi, North Carolina, and Tennessee upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
- F.4. Within the USFWS Regional Massachusetts office States: Maryland, New Jersey, New York, Pennsylvania, Vermont, Virginia and West Virginia upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
- F.5. Within the USFWS Regional Colorado office States: Kansas, Montana, Nebraska, North Dakota, South Dakota, and Wyoming upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
- G. Permittee shall notify and request approval from the USFWS Field Supervisor at least 15 days prior to conducting any activities. Contact information is available at: <https://www.fws.gov/midwest/angered/permits/index.html>. Your request for this site-specific approval must



be in writing and must indicate:

- G.1. Species for which proposed activities are being conducted.
- G.2. Location of proposed activities, including project site, county, and state.
- G.3. A complete description of activities (i.e., proposed project plan, including purpose and need, surveys, methods, etc.). A copy of the specific site study plan must be included when the purpose includes collection of dorsal hair, fungal lift tape, swab and wing biopsy samples, or entering hibernacula, maternity roost caves, mines, or other suitable hibernation sites.
- G.4. Dates when the project is proposed to take place.
- G.5. Evidence that Permittee has received any required contracts to complete the activities.
- G.6. Whether all annual reporting requirements have been fulfilled.

You may proceed with only the activities described in your written concurrence letter, upon receipt from the applicable USFWS Field Supervisor. ***Your concurrence letter must be carried with this permit to authorize site-specific activities.***

H. Permittee shall adhere to the following Conditions involving capture and handling of bats:

- H.1. Bats may be captured with mist nets following the protocol included in the Range-wide Indiana Bat Summer Survey Guidelines. Guidelines are available at: <https://www.fws.gov/midwest/endangered/mammals/inba/inbasummersurveyguidance.html>. **Note:** You must use the most up-to-date version of the Summer Survey Guidelines, available on the USFWS website page, for your summer surveys. The monitoring interval for mist nets is +/- 10 minutes and may not exceed 15 minutes. Captured bats may be held for a maximum of 30 minutes, unless injured. In extenuating circumstances, bats shall be held for no longer than 45 minutes.
- H.2. Bats may only be captured with harp traps with written concurrence from the Field Supervisor in the state in which trapping is proposed. **Harp traps must be continually monitored.** Captured bats may be held for a maximum of 30 minutes, unless injured. In extenuating circumstances, bats shall be held for no longer than 45 minutes.

Mary B. Gilmore must remain present at each mist-net site and harp trap site while it is being operated.

- H.3. Permittee shall carry out non-intrusive measurements on all captured bats. Data shall be recorded for all bats captured and include, but not be limited to, the data requested in any automated or species specific data sheet provided by the USFWS (e.g., Bat Reporting Spreadsheet). Handling should be limited to the maximum extent practicable and should cease immediately at signs of undue stress (e.g., bat becoming unresponsive, etc.). Bats that appear stressed from handling should be placed in a dark, quiet location away from activity where it can safely fly away after recovery, and should be checked to ensure successful recovery before leaving the study site. Photographs of the identifying characteristics for each individual federally-listed species captured are encouraged. The Permittee may be requested to provide individual photographs after submittal of annual reporting data.
- H.4. Lipped metal bands having a unique identifier may be applied to the forearm of captured bats prior to release. No more than one band per bat may be used. Bands should be applied to the forearm of captured bats prior to release. Position the band on the wing so that when the bat is hanging upside



down, the band numbers are right-side up. A single band should be placed on the right forearm of each male and the left forearm of each female bat.

- H.5. Radio transmitters may be applied during spring, summer, and fall roosting and migration periods via nontoxic skin bond adhesive. The total weight of the transmitter may not exceed 5% of the bat's body weight and the total weight of the package (transmitter and adhesive) may not exceed 6% of the bat's body weight. The lightest package (both transmitter and adhesive) capable of accomplishing the required task should be used, especially with pregnant females and newly volant juveniles. Bats carrying transmitters must be monitored daily for at least three days, or until the transmitter falls off, whichever occurs first. ***Although not required as a Condition of this permit, in order to gather needed information to promote the conservation of the northern long-eared bat, it is recommended that the permittee radio-track female and juvenile northern long-eared bats captured when conducting mist-netting and radio-tracking of Indiana bats within the white-nose syndrome zone of the range of the northern long-eared bat. Specifics on the number of females and juvenile bats to be tracked will be determined in coordination with the appropriate Field Office, as specified in Condition G.***
- H.6. No trapping activities shall occur within 20 meters of a known Indiana bat maternity roost site, either natural or artificial roosts, unless Permittee receives prior written approval from the USFWS Field Supervisor for the state in which the activities are proposed to occur.
- H.7. Permittee may collect dorsal hair samples, wing biopsy tissue samples, fungal lift tape, blood and swab samples from captured bats for scientific study. Hair samples shall be obtained via clipping fur from between scapula from females and juvenile males. The clipped area is the same area frequently clipped for radio transmitter attachment. Wing tissue samples may be taken using a new, sterile biopsy punch (2mm) for each endangered and threatened bat sampled. No more than two samples, one from each wing, may be obtained per individual. All boards and equipment used to obtain samples must be disinfected according to the protocol cited below.
- H.8. Caves, mines, or other suitable hibernation sites may be quietly searched in a manner that minimizes disturbance by utilizing the minimum number of people and time required to complete the survey. Surveys should not be repeated more often than once every other year in any given hibernaculum that is occupied by endangered or threatened bats. Where hibernacula area and safety conditions allow, individuals entering caves are recommended to utilize night vision goggles or red-filtered light and to remain in the cave no more than 90 minutes to complete the work.
- H.9. When carrying out mist-netting and handling of bats under this permit, Permittee must use COVID-specific Personal Protective Equipment (PPE) in addition to the PPE already identified by the USFWS and states for mitigating the risk of spread of the fungus that causes white-nose syndrome, which includes the use of disposable gloves, disposable or site-dedicated clothing, and adherence to decontamination procedures. COVID-specific PPE is a non-vented N95 respirator (no exhalation valve) or any respirator or mask that provides a similar level of protection filtering exhaled air (https://www.cdc.gov/niosh/npptl/topics/respirators/disp_part/respsource1quest3.html#half).
- H.10. Equipment used to capture and handle bats shall be cleaned and decontaminated, including personal gear such as boots and gloves, using products cited in decontamination guidelines and in compliance with label directions. The most recent decontamination guidance is found on the web at: <https://www.whitenosesyndrome.org/topics/decontamination>.
- H.11. For Ozark big-eared bat (*Corynorhinus townsendii ingens*) and Virginia big-eared bat (*C. t. virginianus*), the USFWS acknowledges that incidental (unintentional) capture of these co-occurring listed bat species may potentially occur while conducting lawful survey activities directed at authorized bat species. This



permit **does not authorize** any activities for the specific purpose of capture of Ozark or Virginia big-eared bats. Permittee shall be observant and cautious to eliminate or minimize "take" of co-occurring listed species to the maximum extent practicable. In the event of incidental (unintentional) capture of Ozark big-eared bat or Virginia big-eared bat, Permittee shall immediately remove the bat(s) from the net/trap after capture, document with a photograph and release at the capture site. **Do not put these bat species in holding cages, bags, or containers.** Within 48 hours, you must notify the USFWS in the state in which you are working of the incidental capture (see <https://www.fws.gov/midwest/angered/permits/index.html>).

- H.12. Permittee must carry a copy of this permit at all times when conducting the authorized activities. NOTE: This permit is limited to the above activities and identified species.
- H.13. Issuance of this permit does not constitute permission to conduct these activities on National Wildlife Refuges or any other public or private lands; such permission must be obtained separately from the appropriate landowner or land manager before beginning these authorized activities. This permit, neither directly nor by implication, grants the right of trespass.
- I. Upon determination that endangered or threatened bats are present at previously undocumented sites, Permittee shall notify the following within 48 hours: the USFWS Regional Minnesota office Recovery Permit Coordinator (Condition L.), the Species Recovery Lead (Condition M.), and the USFWS Field Office within the geographic location of study areas (<https://www.fws.gov/midwest/angered/permits/index.html>).
- J. Accidental injury or mortality may not exceed two (2) specimens. In the event of any accidental injury or mortality, all activities must immediately cease. The Permittee shall immediately report (in writing) any bat mortality or serious injury to the applicable USFWS Field Office in the state in which the incident occurred (contact information provided at: <https://www.fws.gov/midwest/angered/permits/index.html>). Written notification shall also be made within 48 hours to the Regional Minnesota office Recovery Permit Coordinator (see Condition L.) and the Species Recovery Lead (Condition M.). The Permittee's statement must document the cause of the injury or mortality, and identify all remedial measures employed by the Permittee to eliminate future mortality or injury events. Based on consultation between the USFWS offices, decisions will be made regarding remedial measures that will be implemented and whether and/or when any of the authorized activities may continue. The Species Recovery Lead Office will provide a decision within five (5) business days concerning the disposition of any injured or dead specimen. Dead or moribund bats may be retained for further study only with the written permission of the USFWS. Any bats that are not authorized for retention are to be chilled and promptly transferred to the USFWS Species Recovery Lead for potential necropsy and/or contaminants analysis. Permitted activities may resume upon receipt of written approval from the Species Recovery Lead Office.
- K. An Annual Report of all activities conducted under the authority of this permit is due by January 31 following **each year** this permit is in effect. When assisting with netting, the permit number of the individual responsible for each capture should be recorded on the data collection form. In addition, copies of all publications and reports resulting from work conducted under this permit must be submitted as they become available. Failure to furnish any reports required by this permit is cause for permit revocation and/or denial of future permit applications. At a minimum, your report shall include:
- K.1. The date, time, geographic locations (including datum and projection information), species, age, sex, and weight of all bats encountered.
- K.2. A description of locations surveyed where no bats were encountered.
- K.3. Band numbers of all bats banded.



- K.4. Information on any injuries and/or mortalities and disposition of specimens.
- K.5. Location and characteristics of roost trees and bat colonies.
- K.6. Copies of any separate reports and/or publications resulting from work conducted under the authority of this permit.
- K.7. A completed data collection form as found in the Summer Survey Guidelines, Appendix B, cited in Condition H.1.
- K.8. Data shall be submitted for all bats captured and include, but not be limited to, the data requested in any automated or species-specific data sheet provided by the USFWS (e.g., the data collection sheets found on the current Rangewide Indiana Bat Summer Survey Guidelines website page cited in Condition H.1., or other species specific data sheets). Photographs of the identifying characteristics for each individual federally-listed species captured are encouraged. The Permittee may be requested to provide individual photographs after submittal of annual reporting data.
- K.9. Copies of all site-specific authorization letters required under Condition G.

IF NO ACTIVITIES OCCURRED OVER THE COURSE OF THE YEAR, INDICATION OF SUCH SHALL BE SUBMITTED AS AN ANNUAL REPORT.

- L. Copies of your reports shall be sent to **all applicable offices** indicated below. Your transmittal letter (or email) must cite your Federal permit number. Electronic copies shall be submitted in MS Word, Portable Document Format, Rich Text Format, or other file format that is compatible with the receiving office (**thumb drives/flash drives cannot be accepted**).
 - L.1. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service
Ecological Services - Endangered Species
5600 American Blvd. W., Suite 990
Bloomington, Minnesota 55437-1458
(612/713-5343; fax 612/713-5292)
permitsR3ES@fws.gov
 - L.2. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service
Division of Classification & Recovery Permits
P.O. Box 1306
Albuquerque, New Mexico 87103-1306
(505/248-6420; fax 505/248-6922)
permitsR2ES@fws.gov
 - L.3. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service
Endangered Species Permits
1875 Century Blvd.
Atlanta, Georgia 30345-3301
(404/679-7097; fax 404/679-7081)



permitsR4ES@fws.gov

L.4. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service
Endangered Species Division
300 Westgate Center Drive
Hadley, Massachusetts 01035-9589
(413/253-8212; fax 413/253-8482)
permitsR5ES@fws.gov

M. Additionally, based on species, reports and publications shall be submitted to the following:

M.1. For studies involving gray bat:

Iwona Kuczynska
U.S. Fish and Wildlife Service
Missouri Field Office
101 Park DeVillie Drive, Suite A
Columbia, Missouri 65203-0007
(573/234-2132; fax 573/234-2181)

M.2. For studies involving Indiana bat:

Lori Pruitt
U.S. Fish and Wildlife Service
Indiana Field Office
620 S. Walker Street
Bloomington, Indiana 47403-2121
(812/334-4261 x213; fax 812/334-4273)

M.3. For studies involving northern long-eared bat:

Jill Utrup
U.S. Fish and Wildlife Service
Minnesota-Wisconsin Field Office
4104 American Blvd. E.
Bloomington, Minnesota 55425-1665
(952/252-0092; fax 952/646-2873)

M.4. For studies involving Ozark big-eared bat:

Richard Stark
U.S. Fish and Wildlife Service
Ozark Plateau National Wildlife Refuge
9014 East 21st Street
Tulsa, Oklahoma 74129
(918/382-4520; fax 918/581-7467)

M.5. For studies involving Virginia big-eared bat:

Barbara Douglas
U.S. Fish and Wildlife Service
West Virginia Field Office
6263 Appalachian Highway
Davis, West Virginia 26260
(304/704-2731)



N. Additionally, based on geographic areas, reports and publications shall be submitted to the applicable offices under "For Fish and Wildlife Permit Holders" at: <https://www.fws.gov/midwest/angered/permits/index.html>.

cc: FWS/Regional Offices - Colorado, Georgia, Massachusetts, and New Mexico (Attn: Regional Recovery Permit Coordinator)

FWS, TE Coordinator: Illinois/Iowa, Indiana, Michigan, Minnesota/Wisconsin, Missouri, Ohio

DNR/DOC, TE Coordinator: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, Wisconsin

END

ADDENDUM TO SCIENTIFIC COLLECTING PERMIT NO. 2023.243

Permittee: Mary Gilmore
Address: EnviroScience Inc.
5070 Stow Road
Stow, OH 44224

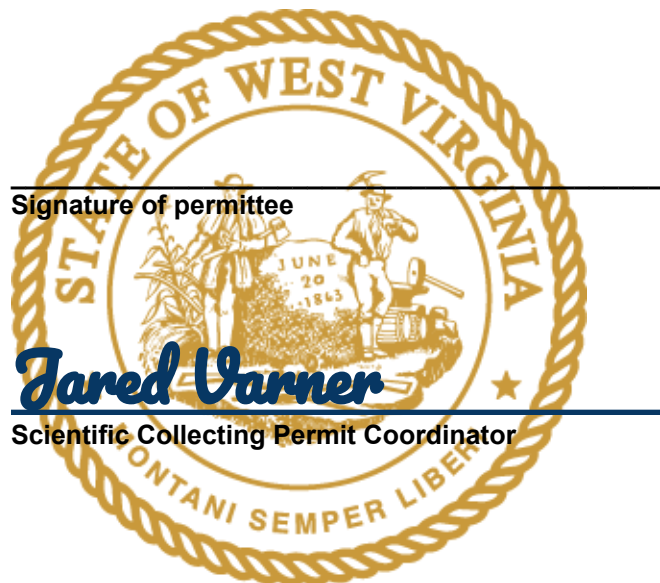
Expiration Date: August 15, 2023

THE FOLLOWING PROVISIONS ARE ADDED TO THIS PERMIT: Mistnetting for bats is permitted near Littleburg, Mercer County (Section1 of the KingCoal Highway Corridor Project).

THIS ADDENDUM MUST BE ATTACHED TO ORIGINAL PERMIT.

Must be signed before valid.

Signature of permittee



Jared Varner

Scientific Collecting Permit Coordinator

The seal of the State of West Virginia is circular with a rope-like border. It features a central figure of a man with a rifle and a plow, standing on a rock. The text 'STATE OF WEST VIRGINIA' is arched across the top, and 'MONTANI SEMPER LIBER' is arched across the bottom. The date 'JUNE 20 1863' is inscribed in the center.


Date of Issue: May 8, 2023

NATIVE ENDANGERED & THREATENED SP. RECOVERY
ENDANGERED & THREATENED WILDLIFE**Permit Number: TE43605A-4**

Effective: 01/23/2020 Expires: 12/31/2025

Issuing Office:

Department of the Interior
U.S. FISH & WILDLIFE SERVICE
Endangered Species Permit Office
5600 American Boulevard, West, Suite 990
Bloomington, MN 55437-1458
permitsR3ES@fws.gov



CHIEF - ENDANGERED SPECIES

Permittee:

DANIEL R COX
616 SOUTH ILLINOIS ST.
STREATOR, IL 61364
U.S.A.

Authority: Statutes and Regulations: 16 USC 1539(a), 16 USC 1533(d); 50 CFR 17.22, 50 CFR 17.32, 50 CFR 13.

Location where authorized activity may be conducted:

Locations: Alabama, Arkansas, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Virginia, West Virginia, Wisconsin, and Wyoming.

Reporting requirements:

ANNUAL REPORT DUE: 01/31

See permit conditions for reporting requirements

Authorizations and Conditions:

- A. General Conditions set out in Subpart B of 50 CFR 13, and specific Conditions contained in Federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accord with and for the purposes described in the application submitted. Continued validity, or renewal of this permit is subject to complete and timely compliance with all applicable Conditions, including the filing of all required information and reports.
- B. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local, tribal, or other Federal law.
- C. Valid for use by Daniel Cox.
 - C.1. Unnamed assistants may work on permitted activities only under the direct and on-site supervision of Daniel Cox. "On-site supervision" is defined as having the Permittee at a distance close enough to enable immediate assistance to a supervised individual, as needed, while the supervised individual conducts an authorized activity. **At least one named Permittee must remain present at each mist-net and harp trap site while it is being operated.**
- D. Acceptance of this permit serves as evidence that the Permittee and its authorized agents understand and agree to abide by the terms of this permit and all sections of Title 50 Code of Federal Regulations (CFR), Parts 13 and 17, pertinent to issued permits (<https://www.fws.gov/permits/ltr/ltr.html>). Section 11 of the Endangered Species Act of 1973, as amended, provides for civil and criminal penalties for failure to comply with permit conditions.

NATIVE ENDANGERED & THREATENED SP. RECOVERY
ENDANGERED & THREATENED WILDLIFE

Permit Number: TE43605A-4

Effective: 01/23/2020 Expires: 12/31/2025

A request for permit renewal using Application Form 3-200-55 and the \$100 application processing fee must be received **at least 30 days prior to the expiration date** of this permit to continue conducting authorized activities under the expired permit while your application is being processed (subject to compliance with 50 CFR, Parts 13.21 and 13.22: https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&sid=a1d34199d1ab36c8b78ecd06a7fa5180&tpl=/ecfrbrowse/Title50/50cfr13_main_02.tpl). When these requirements are not met, this permit becomes invalid on the expiration date. *Unless otherwise instructed within the Authorizations and Conditions, annual reports* are due by January 31 following each year your permit is in effect and shall be submitted to all offices identified in the permit Conditions, as appropriate. The following website link provides the permit application Form 3-200-55 and the mailing address to the Midwest Region (Region 3), U.S. Fish and Wildlife Service, Endangered Species Permit Office: <https://www.fws.gov/endangered/permits/how-to-apply.html>.

- E. Permittee is authorized to take (capture, handle, radio-tag, and release) the Indiana bat (*Myotis sodalis*), northern long-eared bat (*M. septentrionalis*), and gray bat (*Myotis grisescens*) for scientific research aimed at recovery of the species: presence/absence surveys, studies to document habitat use, population monitoring, and to evaluate potential impacts. This permit does **not** authorize the collection of voucher specimens.
- F. Activities are authorized at the following locations:
- F.1. Location within Region 2 of the USFWS: Oklahoma, upon receipt of written concurrence from the Field Supervisor, and upon coordination with Ozark Plateau National Wildlife Refuge prior to (1) surveys of caves known to be used by federally-listed bats, and (2) examinations of caves suspected of containing federally-listed bat species (some presence/absence surveys may require the presence of a U.S. Fish and Wildlife Biologist), and as outlined in Condition G.
 - F.2. Locations within Region 3 of the USFWS: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin, upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
 - F.3. Locations within Region 4 of the USFWS: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee, upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
 - F.4. Locations within Region 5 of the USFWS: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia, upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
 - F.5. Locations within Region 6 of the USFWS: Kansas, Montana, Nebraska, North Dakota, South Dakota, and Wyoming, upon receipt of written concurrence from the Field Supervisor, as outlined in Condition G.
- G. Permittee shall notify and request approval from the USFWS Field Supervisor for the state in which activities are proposed to occur at least 15 days prior to conducting any activities. Contact information is available at: <https://www.fws.gov/midwest/endangered/permits/index.html>. Your request for this site-specific approval must be in writing and must indicate:
- G.1. Species for which proposed activities are being conducted.
 - G.2. Location of proposed activities, including project site, county, and state.
 - G.3. A complete description of activities (i.e., proposed project plan, including purpose and need, surveys, methods, etc.). If the purpose includes collection of wing biopsies, hair samples, fungal lift tape, or swab samples, a copy of the specific study proposal must be included.
 - G.4. Dates when the project is proposed to take place.
 - G.5. Evidence that Permittee has received any required contracts to complete the activities.



G.6. Whether all annual reporting requirements have been fulfilled.

You may proceed with activities only upon receipt of written concurrence from the applicable USFWS Field Supervisor. **Your concurrence letter must be carried with this permit to authorize site-specific activities.**

H. Permittee shall adhere to following conditions involving capture and handling of bats:

- H.1. Bats may be captured with mist nets following the protocol included in the Range-wide Indiana Bat Summer Survey Guidelines. Guidelines are available at:
<<http://www.fws.gov/midwest/endangered/mammals/inba/inbasummersurveyguidance.html>>. Note that you must use the most up-to-date version of the Summer Survey Guidelines, available on the USFWS website page, for your summer surveys. The monitoring interval for mist nets is +/- 10 minutes and may not exceed 15 minutes. Captured bats may be held for a maximum of 30 minutes, unless injured. In extenuating circumstances, bats shall be held for no longer than 45 minutes.
- H.2. Bats may only be captured with harp traps with written concurrence from the Field Supervisor in the state in which trapping is proposed. Harp traps must be continually monitored. Captured bats may be held for a maximum of 30 minutes, unless injured. In extenuating circumstances, bats shall be held for no longer than 45 minutes.
- H.3. Permittee shall carry out non-intrusive measurements on all captured bats. Data shall be recorded for all bats captured and include, but not be limited to, the data requested in any automated or species specific data sheet provided by the USFWS (e.g., Bat Reporting Spreadsheet). Handling should be limited to the maximum extent practicable and should cease immediately at signs of undue stress (e.g., bat becoming unresponsive, etc.). Bats that appear stressed from handling should be placed in a dark, quiet location away from activity where it can safely fly away after recovery, and should be checked to ensure successful recovery before leaving the study site. Photographs of the identifying characteristics for each individual federally-listed species captured are encouraged. The Permittee may be requested to provide individual photographs after submittal of annual reporting data.
- H.4. Lipped metal bands having a unique identifier may be applied to the forearm of captured bats prior to release. No more than one band per bat may be used. Bands should be applied to the forearm of captured bats prior to release. Position the band on the wing so that when the bat is hanging upside down, the band numbers are right-side up. A single band should be placed on the right forearm of each male and the left forearm of each female bat.
- H.5. Radio transmitters may be applied during summer roosting period via nontoxic skin bond adhesive. The total weight of the transmitter may not exceed 5% of the bat's body weight and the total weight of the package (transmitter and adhesive) may not exceed 6% of the bat's body weight. The lightest package (both transmitter and adhesive) capable of accomplishing the required task should be used, especially with pregnant females and newly volant juveniles. Bats carrying transmitters must be monitored daily for at least three days, or until the transmitter falls off, whichever occurs first. ***Although not required as a condition of this permit, in order to gather needed information to promote the conservation of the northern long-eared bat, it is recommended that the permittee radio-track female and juvenile northern long-eared bats captured when conducting mist-netting and radio-tracking of Indiana bats within the white-nose syndrome (WNS) zone of the range of the northern long-eared bat. Specifics on the number of females and juvenile bats-to be tracked will be determined in coordination with the appropriate Field Office, as specified in Condition G.***
- H.6. No trapping activities shall occur within 20 meters of a known Indiana bat maternity roost site, either natural or artificial roosts, unless Permittee receives prior written approval from the U.S. Fish and Wildlife Service Field Supervisor for the state in which the activities are proposed to occur.
- H.7. Permittee may collect dorsal hair samples, wing biopsy tissue samples, fungal lift tape and swab samples from captured bats for scientific study. Hair samples shall be obtained via clipping fur from between scapula from females and juvenile males. The clipped area is the same area frequently clipped for radio transmitter attachment. Wing tissue samples may be taken using a new, sterile biopsy punch (2mm) for each endangered and threatened bat sampled. No more than two samples, one from each wing, may be obtained per individual. All boards and equipment used to obtain samples must be disinfected according to the protocol cited in Condition H.8.
- H.8. Equipment used to capture and handle bats shall be cleaned and decontaminated, including personal gear such as



boots and gloves, using products cited in decontamination guidelines and in compliance with label directions. The most recent decontamination guidance is found on the web at:
<https://www.whitenosesyndrome.org/topics/decontamination>.

- H.9. For the Ozark big-eared bat (*Corynorhinus townsendii ingens*) and Virginia big-eared bat (*C. townsendii virginianus*), the USFWS acknowledges that incidental (unintentional) capture of these co-occurring listed bat species may potentially occur while conducting lawful survey activities directed at authorized bat species. This permit does not authorize any activities for the specific purpose of capture of Ozark or Virginia big-eared bats. Permittee shall be observant and cautious to eliminate or minimize "take" of co-occurring listed species to the maximum extent practicable. In the event of incidental (unintentional) capture of Ozark or Virginia big-eared bat, you shall document the capture with a photograph and immediately release at the capture site. Within 48 hours, you must notify the USFWS in the state in which you are working of the incidental capture (see <https://www.fws.gov/midwest/ endangered/permits/index.html>).
- I. Upon determination that endangered or threatened bats are present at previously undocumented sites, Permittee shall notify the following offices within 48 hours: the USFWS Region 3 Office (Condition L.), the Species Recovery Lead (Condition M.), and the USFWS Field Office within the geographic location of study areas (<https://www.fws.gov/midwest/ endangered/permits/index.html>).
- J. Accidental injury or mortality may not exceed two (2) specimens. In the event that any accidental injury or mortality occurs, all activities must cease. The Permittee must report any bat mortality or serious injury within 24 hours to the applicable USFWS Field Office in the state in which the incident occurred (contact information provided at: <https://www.fws.gov/midwest/ endangered/permits/index.html>). Written notification must also be made within 48 hours to the Region 3 Regional Permit Coordinator (see Condition L.) and the Species Recovery Lead (Condition M.). The Permittee's statement must document the cause of the injury or mortality, and identify all remedial measures employed by the Permittee to eliminate future mortality or injury events. Based on consultation between the USFWS offices, decisions will be made regarding remedial measures that will be implemented and whether and/or when any of the authorized activities may continue. The Species Recovery Lead Office will provide a decision within five (5) business days concerning the disposition of any injured or dead specimen. Dead or moribund bats may be retained for further study only with the written permission of the USFWS. Any bats that are not authorized for retention are to be chilled and promptly transferred to the USFWS Species Recovery Lead for potential necropsy and/or contaminants analysis. Permitted activities may resume upon receipt of written approval from the Species Recovery Lead Office.
- K. An annual report of all activities conducted under the authority of this permit is due by January 31 following each year this permit is in effect. In addition, copies of all publications and reports resulting from work conducted under this permit must be submitted as they become available. Failure to furnish any reports required by this permit is cause for permit revocation and/or denial of future permit applications. At a minimum, your report shall include:
- K.1. The date, time, geographic locations (including datum and projection information), species, age, sex, and weight of all bats encountered.
 - K.2. A description of locations surveyed where no bats were encountered.
 - K.3. Band numbers of all bats banded.
 - K.4. Information on any injuries and/or mortalities and disposition of specimens.
 - K.5. Location and characteristics of roost trees and bat colonies.
 - K.6. Copies of any separate reports and/or publications resulting from work conducted under the authority of this permit.
 - K.7. A completed data collection sheet as found in the Survey Guidelines, cited in Condition H.1..
 - K.8. Data shall be submitted for all bats captured and include, but not be limited to, the data requested in any automated or species-specific data sheet provided by the USFWS (e.g., the reporting spreadsheets found on the current Rangewide Indiana Bat Summer Survey Guidelines website cited in Condition H.1., or other species specific data



sheets). Photographs of the identifying characteristics for each individual federally-listed species captured are encouraged. The Permittee may be requested to provide individual photographs after submittal of annual reporting data.

K.9. Copies of all site specific authorization letters required under Condition G.

If no activities occurred over the course of the year, indication of such shall be submitted as an annual report.

L. Copies of your reports shall be sent to the offices listed below. When possible, electronic copies shall be submitted in lieu of hard copies in MS Word, Portable Document Format, Rich Text Format, or other file format that is compatible with the receiving office.

L.1. Regional Recovery Permits Coordinator
U.S. Fish and Wildlife Service - Region 3
Ecological Services - Endangered Species
5600 American Blvd. W., Suite 990
Bloomington, Minnesota 55437-1458
(612/713-5343; fax 612/713-5292)
permitsR3ES@fws.gov

L.2. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service - Region 2
Endangered Species Permits Office
P.O. Box 1306
Albuquerque, New Mexico 87103-1306
(505/248-6420; fax 505/248-6788)
permitsR2ES@fws.gov

L.3. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service - Region 4
Endangered Species Permits Office
1875 Century Blvd.
Atlanta, Georgia 30345-3301
(404/679-7097; fax 404/679-7081)
permitsR4ES@fws.gov

L.4. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service - Region 5
Endangered Species Division
300 Westgate Center Drive
Hadley, Massachusetts 01035-9589
(413/253-8212; fax 413/253-8482)
permitsR5ES@fws.gov

L.5. Regional Recovery Permit Coordinator
U.S. Fish and Wildlife Service - Region 6
Endangered Species Permits Office
Denver Federal Center, P.O. Box 25486
Denver, Colorado 80225-0489
(303/236-4224; fax 303/236-0027)
permitsR6ES@fws.gov

M. Additionally, based on species, reports and publications shall be submitted to the following:

M.1. **For studies involving gray bat:**
Vona Kuczynska
U.S. Fish and Wildlife Service



Missouri Field Office
101 Park DeVille Drive, Suite A
Columbia, Missouri 65203-0007
(573/234-2132; fax 573/234-2181)

M.2. For studies involving Indiana bat:

Lori Pruitt
U.S. Fish and Wildlife Service
Indiana Field Office
620 S. Walker Street
Bloomington, Indiana 47403-2121
(812/334-4261; fax 812/334-4273)

M.3. For studies involving northern long-eared bat:

Jill Utrup
U.S. Fish and Wildlife Service
Minnesota-Wisconsin Field Office
4101 American Blvd. E.
Bloomington, Minnesota 55425-1665
(952/252-0092; fax 952/646-2873)

N. Additionally, based on geographic area, reports and publications shall be submitted to the applicable offices under "For Fish and Wildlife Permit Holders" at: <https://www.fws.gov/midwest/endangered/permits/index.html>.

cc: FWS/Region 2, 4, 5, and 6 (Attn: Regional Recovery Permit Coordinator)
FWS, TE Coordinators: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin
DNR/DOC, TE Coordinators: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin

END

ADDENDUM TO SCIENTIFIC COLLECTING PERMIT NO. 2023.244

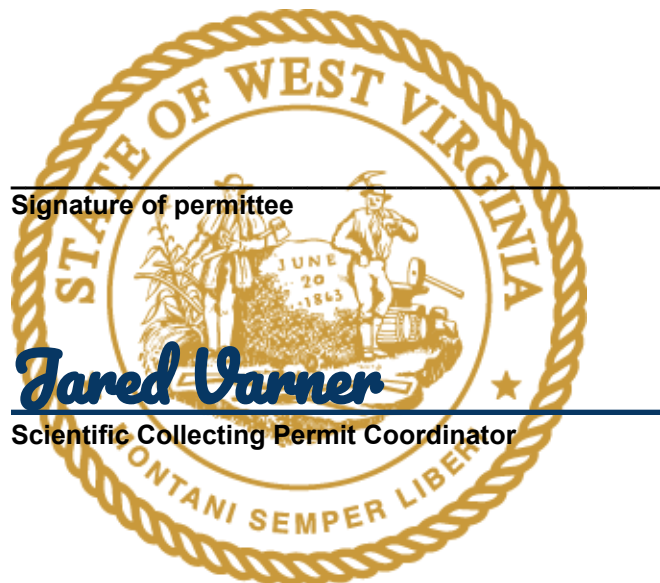
Permittee: Dan Cox
Address: EnviroScience Inc.
5070 Stow Road
Stow, OH 44224

Expiration Date: August 15, 2023

THE FOLLOWING PROVISIONS ARE ADDED TO THIS PERMIT: Mistnetting for bats is permitted near Littleburg, Mercer County (Section 1 of the KingCoal Highway Corridor Project).

THIS ADDENDUM MUST BE ATTACHED TO ORIGINAL PERMIT.

Must be signed before valid.



Signature of permittee

Jared Varner
Scientific Collecting Permit Coordinator

Date of Issue: May 8, 2023

ADDENDUM TO SCIENTIFIC COLLECTING PERMIT NO. 2023.236

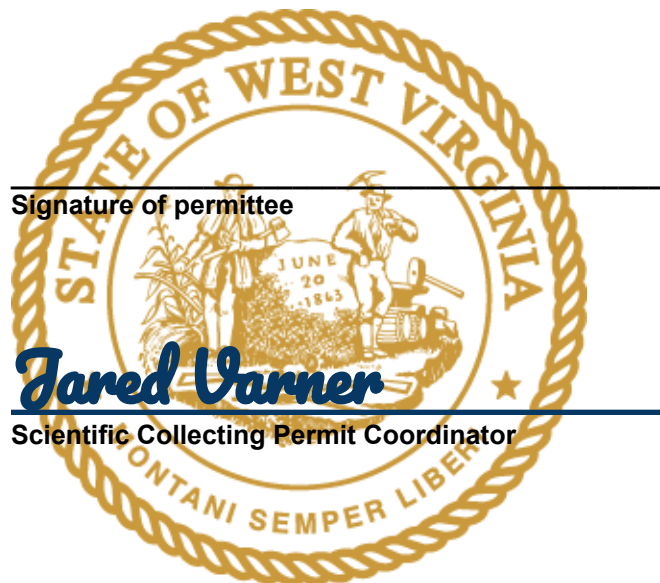
Permittee: Sean Kline
Address: EnviroScience Inc.
5070 Stow Road
Stow, OH 44224

Expiration Date: August 15, 2023

THE FOLLOWING PROVISIONS ARE ADDED TO THIS PERMIT: Mistnetting for bats is permitted near Littleburg, Mercer County (Section 1 of the KingCoal Highway Corridor Project).

THIS ADDENDUM MUST BE ATTACHED TO ORIGINAL PERMIT.

Must be signed before valid.



Signature of permittee

Jared Varner
Scientific Collecting Permit Coordinator

Date of Issue: May 8, 2023

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
ENVIROSCIENCE, INC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC

C Corporation

S Corporation

Partnership

Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
5070 STOW RD

6 City, state, and ZIP code
STOW, OH 44224

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			-			-				
--	--	--	---	--	--	---	--	--	--	--

or

Employer identification number

3	4	-	1	6	0	3	5	0	5
---	---	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶  Date ▶ **1-8-2023**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding, later.*

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/03/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).


PRODUCER USI Insurance Services LLC 312 Elm Street, 24th Floor Cincinnati, OH 45202 513 852-6300	CONTACT NAME: Katie Beckerich
	PHONE (A/C, No, Ext): 513 852-6300
INSURED EnviroScience, Inc. Scientific Equipment, LLC 5070 Stow Road Stow, OH 44224	FAX (A/C, No): 513 852-6428
	E-MAIL ADDRESS: katie.beckerich@usi.com
	INSURER(S) AFFORDING COVERAGE
	NAIC #
INSURER A : Homeland Insurance Company of New York	
INSURER B : Travelers Property Cas. Co. of America	
INSURER C : Benchmark Insurance Company	
INSURER D :	
INSURER E :	
INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			7930123260000	12/23/2022	12/23/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Stop Gap \$ 1,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			TC2JCAP117D4262TIL	06/30/2023	06/30/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB DED RETENTION \$ <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CLAIMS-MADE			793012327000 Primary, Excess under OTHER LIAB	12/23/2022	12/23/2023	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB2S30263A2351K includes Maritime	06/30/2023	06/30/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Excess Liab			MNGRX0000175	12/23/2022	12/23/2023	\$5 occ/ \$5 agg
A	Professional			7930123260000	12/23/2022	12/23/2023	\$1,000,000
A	Pollution			7930123260000	12/23/2022	12/23/2023	\$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
B: P&I Liability #ZOH91N4814223ND 06/30/2023 - 06/30/2024 \$1,000,000
B: Hull Coverage #ZOH91N4814223ND 06/30/2023 - 06/30/2024 \$422,741
RE: CMA DEP22000009A Benthic Macroinvertebrate Sample Processing and ID.
 This Certificate is issued for insured operations usual to the Named Insured's business.

CERTIFICATE HOLDER West Virginia Department of Environmental Protection 601 57th St SE Charleston, WV 25304	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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.

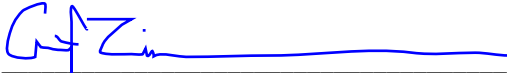
Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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.

Company



Authorized Signature

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.



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

State of West Virginia
 Centralized Request for Quote
 Service - Prof

Proc Folder: 1258817			Reason for Modification:
Doc Description: AML - Valley Camp Mine Facilities Bat Acoustic Survey			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2023-08-03	2023-08-17 13:30	CRFQ 0313 DEP2400000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000176834
Vendor Name : ENVIROSCIENCE, INC.
Address : 5070
Street : Stow Rd.
City : Stow
State : Ohio **Country :** USA **Zip :** 44224
Principal Contact : Greg Zimmerman
Vendor Contact Phone: 330-688-0111 **Extension:** 232

FOR INFORMATION CONTACT THE BUYER

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

Vendor Signature X **FEIN#** 34-1603505 **DATE** 8/22/2023

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

ADDITIONAL INFORMATION

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Environmental Protection (WVDEP), Division of Land Restoration (DLR), Office of Abandoned Mine Lands and Reclamation (AML) to establish a contract for the one-time purchase of a Bat Acoustic Survey on a concrete silo within the project area for AML's Valley Camp Mine Facilities Project in Ohio County, WV per the attached specifications and terms and conditions.

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Bat Acoustic Survey	1		Tasks 1-3	\$11,949.60
				Tasks 1-4	\$18,107.90

Comm Code	Manufacturer	Specification	Model #
77102000			

Extended Description:
Bat Acoustic Survey

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Service - Prof

Proc Folder: 1258817			Reason for Modification: Addendum #1 issued to extend bid close date until 8/24/2023 @ 1:30 PM ET.
Doc Description: AML - Valley Camp Mine Facilities Bat Acoustic Survey			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2023-08-15	2023-08-24 13:30	CRFQ 0313 DEP2400000004	2

BID RECEIVING LOCATION

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

VENDOR

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Extended Description:
Bat Acoustic Survey

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page
DEP2400000004	Final	AML - Valley Camp Mine Facilities Bat Acoustic Survey	3

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 Request for Quote
Service - Prof

Proc Folder: 1258817
Doc Description: AML - Valley Camp Mine Facilities Bat Acoustic Survey
Proc Type: Central Purchase Order

Reason for Modification:
Addendum #2 issued to publish agency responses to vendor submitted questions and publish additional See Page 2 for complete info

Date Issued	Solicitation Closes	Solicitation No	Version
2023-08-17	2023-08-24 13:30	CRFQ 0313 DEP2400000004	3

BID RECEIVING LOCATION

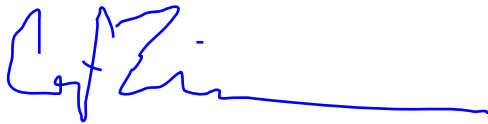
BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
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Vendor
Signature X

FEIN# 34-1603505

DATE 8/22/2023

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

Reason for Modification:

Addendum #2 issued to publish agency responses to vendor submitted questions and publish additional section to specifications.

ADDITIONAL INFORMATION

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Bat Acoustic Survey

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page
DEP2400000004	Final	AML - Valley Camp Mine Facilities Bat Acoustic Survey	3

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