

NOTICE

Please note that this bid from Envirosience Inc. for CRFQ ADJ16*20 was received at the Purchasing Division office prior to the established bid opening date and time on April 21, 2016 as noted on the coversheet, but was unable to load properly through wvOASIS at the public bid opening. This bid has since been loaded and is now posted.

A handwritten signature in cursive script, reading "Diane Holley-Brown", written over a horizontal line.

Diane Holley-Brown
Assistant Purchasing Director



April 22, 2016

April 21, 2016 1:30 PM Electronic Solicitation Responses (ESRs)

ISSUE

On Thursday, April 21, 2016 1:52 PM, the Purchasing Division contacted the wvOASIS Finance Team because five centralized solicitations closed at 1:30 PM, but no electronic solicitation responses (or “ESRs”) were received. At that time, a Finance Team member observed that the 1:30 PM sync cycle was complete and successful (See Exhibit 1). The team member also found one decentralized ESR that interfaced successfully during the 1:30 PM sync cycle (SR 0211 ESR0420160000005077; see Exhibit 2). Based on this information, the team member advised the Purchasing Division that everything appeared to be in order.

At 3:19, the Purchasing Division contacted wvOASIS again after noticing ESRs in the system relating to the five centralized solicitations: CRFQs ADJ160000020, CPR160000001, DOT160000083, DOT160000086, and DNR160000028.

Exhibit 1

Job ID	Item Type	Catalog Id	Catalog Name	Job Name	User ID	Start Time	End Time	Run Status	Return Code			
✓ 446257	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 16:31:49	04-21-2016 16:31:56	Complete	Successful	View Log		
446206	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 15:31:29	04-21-2016 15:31:32	Complete	Successful	View Log		
446129	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 14:29:59	04-21-2016 14:30:13	Complete	Successful	View Log		
446108	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 13:29:59	04-21-2016 13:30:03	Complete	Successful	View Log		
446063	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 12:29:49	04-21-2016 12:29:53	Complete	Successful	View Log		
445986	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 11:29:59	04-21-2016 11:30:01	Complete	Successful	View Log		
445963	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 10:29:59	04-21-2016 10:30:01	Complete	Successful	View Log		
445914	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 09:29:49	04-21-2016 09:29:54	Complete	Successful	View Log		
445824	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 08:29:49	04-21-2016 08:29:53	Complete	Successful	View Log		
445719	System Batch	127	Load to Advantage	DAFN012701_Load_to_Advantage_127	batch	04-21-2016 07:30:19	04-21-2016 07:30:40	Complete	Successful	View Log		

Exhibit 2

The screenshot displays a web-based procurement system interface. At the top, a header bar contains the text: "Solicitation Response(SR) Dept: 0211 ID: ESR04201600000005077 Ver.: 1 Function: New Phase: Final Modified by batch_04/21/2016". Below the header, there are tabs for "General Information", "Contact", "Default Values", "Discount", and "Document Information". The "General Information" tab is active, showing the following details:

- Procurement Folder: 209322
- Procurement Type: Agency Purchase Order
- Vendor ID: 000000199924
- Legal Name: F M PLE HARDWARE CO INC
- Alias/DBA:
- Total Bid: \$1,000.00
- Response Date: 04/20/2016
- Response Time: 15:46

On the right side of the interface, additional information is displayed:

- SO Doc Code: ARFQ
- SO Dept: 0211
- SO Doc ID: GSD1600000162
- Published Date: 4/15/16
- Close Date: 4/21/16 (highlighted with a red box)
- Close Time: 13:00 (highlighted with a red box)
- Status: Closed
- Solicitation Description: Toro Lawn Mower Parts

BACKGROUND

The wvOASIS system is a web-based, enterprise-wide financial application that runs on multiple servers. When a vendor submits a Solicitation Response document in the Vendor Self Service (VSS) portal, the document remains sealed in the VSS electronic lockbox until the solicitation closing date and time are reached. Then, the responses are copied from the lockbox to the procurement folder by a synchronizing interface. The Purchasing Division is not able to access electronic solicitation responses until they are exported from the lockbox to the procurement folder. The synchronizing interfaces, or sync cycle, run every hour at the bottom of the hour, from 7:30 AM to 5:30 PM weekdays.

ANALYSIS

Members of the wvOASIS Technical Team identified the cause of the issue relating to the April 21, 2016 1:30 PM ESR documents. The system clocks on two wvOASIS servers were out of sync by a matter of seconds. This caused the 1:30 PM sync cycle to begin at 1:29 PM. Because the ESRs relating to the five centralized solicitations were not eligible to be interfaced until after their 1:30 PM closing time, they were not copied to their respective procurement folders until the completion of the 2:30 PM sync cycle. It should be noted that the decentralized ESR shown in Exhibit 2 had a closing time of 1:00 PM, making it eligible to be interfaced at 1:29 PM.

CONCLUSION

After careful review, it is our conclusion that the ESR documents relating the five centralized solicitations were received in the wvOASIS system prior to the 1:30 PM closing time and should be considered valid bids by the Purchasing Division. The specific ESR documents are:

CRFQ 0603 ADJ1600000020

Solicitation Response SR,0603,ESR04061600000004696,1
Solicitation Response SR,0603,ESR04191600000005013,1
Solicitation Response SR,0603,ESR04191600000005025,1
Solicitation Response SR,0603,ESR04201600000005072,1
Solicitation Response SR,0603,ESR04201600000005074,1
Solicitation Response SR,0603,ESR04201600000005079,1

CRFQ 0203 CPR1600000001

No solicitation responses received

CRFQ 0803 DOT1600000083

Solicitation Response SR,0803,ESR03281600000004481,1

CRFQ DOT1600000086

Solicitation Response SR,0803,ESR04201600000005078,1

Solicitation Response SR,0803,ESR04201600000005081,1

CRFQ DNR1600000028

Solicitation Response SR,0310,ESR04211600000005085,1

Solicitation Response SR,0310,ESR04211600000005092,1



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

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

Header

List View

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 203105

Procurement Type: Central Purchase Order

Vendor ID:

Legal Name: ENVIROSCIENCE INC

Alias/DBA:

Total Bid: \$54,000.00

Response Date:

Response Time:

SO Doc Code: CRFQ

SO Dept: 0603

SO Doc ID: ADJ1600000020

Published Date: 4/14/16

Close Date: 4/21/16

Close Time: 13:30

Status: Closed

Solicitation Description:

Total of Header Attachments: 0

Total of All Attachments: 0



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

**State of West Virginia
 Solicitation Response**

Proc Folder : 203105
Solicitation Description : ADDENDUM 1 BAT SURVEY-CAMP DAWSON
Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2016-04-21 13:30:00	SR 0603 ESR04201600000005072	1

VENDOR
000000176834 ENVIROSCIENCE INC

FOR INFORMATION CONTACT THE BUYER
 Crystal Rink
 (304) 558-2402
 crystal.g.rink@wv.gov

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 Survey-Endangered Species Mgmt Plan-Camp Dawson				\$54,000.00

Comm Code	Manufacturer	Specification	Model #
77111507			

Extended Description : Critical Fauna Survey and Endangered Species Management Plan for the Indiana Bat and the Northern Long-Eared Bat

EXHIBIT A
CRFQ ADJ1600000020

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO CONDUCT CRITICAL FAUNA SURVEY AND ENDANGERED SPECIES MANAGEMENT PLAN FOR THE INDIANA BAT AND NORTHERN LONG-EARED BAT, ON CAMP DAWSON ARMY TRAINING SITE AT KINGWOOD, WV

BID FORM

The undersigned, hereafter called the Bidder, being familiar with and understanding the bidding documents; and being familiar with the required qualifications and the mandatory requirements of the Project with regards to the deliverables and associated timelines, hereby proposes to furnish labor, material, equipment, supplies, and transportation to perform the work as described in the bidding documents

BIDDERS COMPANY NAME: EnviroScience Inc.

VENDOR ADDRESS: 5070 Stow Road
Stow, Ohio 44224

TELEPHONE: (330) 688-0111

FAX NUMBER: (330) 688-3858

E-MAIL ADDRESS: mhilovsky@enviroscienceinc.com

CONTRACT TOTAL BID:

Fifty-four thousand —

(\$ 54,000.00) *** (Contract bid to be written in words and numbers.)

The contract will be awarded to the Bidder with the lowest contract total bid meeting all of the specifications. Bidder understands that to the extent allowed by the West Virginia Code, the OWNER reserves the right to waive any informality or irregularity in any bid, or bids, and to reject any and all bids in whole or in part; to reject a bid not accompanied by the required bid security or by other data required by the bidding documents; to reject any conditions of the bid by the Bidder that is any way inconsistent with the requirements, terms, and conditions of the bidding documents; or to reject a bid that is in any way incomplete or irregular.

Failure to use this bid form may result in bid disqualification.

SIGNATURE:  DATE: 4/18/2016

NAME: Maria Heberger
(Please Print)

TITLE: CEO



Price Proposal for Critical Fauna Survey & Endangered Species Plan for Indiana Bat and Northern Long-eared Bat on Camp Dawson Army Training Site Kingwood, West Virginia

CRFQ ADJ1600000020

Prepared for:

**West Virginia Army National Guard
Department of Administration,
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130
Attn: Crystal Rink**

Prepared by:



5070 Stow Rd.
Stow, OH 44224
800-940-4025

www.EnviroScienceInc.com

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1.0 INTRODUCTION

EnviroScience, Inc. (EnviroScience) is pleased to submit the following proposal to Camp Dawson to conduct bat consultation services. Included in the proposed services are acoustic monitoring and mist netting surveys targeting the Indiana Bat (*Myotis sodalis*) and northern long-eared bat (*Myotis septentrionalis*; NLEB), as well as all other bats, in accordance with the 2016 United States Fish and Wildlife Service (USFWS) summer survey guidelines. Additionally, EnviroScience has included costing to develop a site-wide Endangered Species Management Plan (ESMP) for the listed bats. EnviroScience has provided costs in accordance with the performance requirements stated in the State of West Virginia Request for Quotation CRFQ 0603 ADJ1600000020 and Addendum 1 of that solicitation. Services will be provided between late May and September of 2016.

EnviroScience has been performing surveys for state and federally listed bat species for over 20 years. EnviroScience bat projects have included habitat surveys, roost emergence surveys, acoustic monitoring, mist net presence/absence surveys, radio telemetry tracking, informal and formal biological assessments and all forms of project coordination with USFWS for Endangered Species Act Section 7 compliance and state regulatory agencies. EnviroScience bat surveys have ranged in size and scope depending on the project needs and have included extensive efforts for military facilities, utility corridors, large mining sites, the railroad industry, the oil and gas industry, and private development. Our biologists have the ability and experience to complete bat surveys throughout the full range of both the Indiana bat and NLEB. EnviroScience uses the most up to date equipment and agency protocols as well as strictly adhering to the recommended decontamination procedures to prevent the spread of White Nose Syndrome. All bat survey efforts are documented with reporting including mapping, site and species data, photographs, and fully completed field data forms.

Additionally, EnviroScience has experience working with the Ohio Army National Guard on their most recent update to the Camp Ravenna Integrated Resource Management Plan, as well as their Planning Level Survey Reports.

2.0 KEY STAFF

EnviroScience has assembled a team of expert biologists and ecologists to conduct the proposed services. The team has extensive past experience working on large scale ecological investigations throughout the United States as well as broad knowledge and experience with services identified in the Scope of Work for this proposal.

Table 1. List of Key Personnel on the EnviroScience Team

Key Personnel	Project Role	Qualifications
Mary Gilmore, Bat Ecologist	Acoustic and Mist netting Technical Lead	Federally permitted bat biologist. Numerous large scale bat surveys, acoustic efforts, and Telemetry efforts.
Jamie Willaman, Operations Manager	Project Manager, Technical Assistance, Report and Management Plan Compilation	Numerous large scale bat surveys, in depth USFWS coordination experience.

Ms. Mary Gilmore will be the technical lead for the acoustic analysis and bat surveys. Ms. Gilmore is a member of the EnviroScience team specializing in Threatened and Endangered Bats and Wetland/Stream delineating and permitting. As an endangered bat biologist, Ms. Gilmore has over 8 years' experience conducting threatened and endangered habitat assessments and bat surveys of all types, including acoustic, mist net, radiotelemetry, and hibernacula surveys. Ms. Gilmore has a USFWS Indiana bat recovery permit through the extent on the bat's range and is a Qualified Bat Surveyor with the Commonwealth of Pennsylvania. She has extensive field experience leading mist net surveys, conducting radiotelemetry, 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 led threatened and endangered bat mist net surveys and habitat assessments throughout the eastern U.S., including Illinois, Kentucky, Michigan, Missouri, New York, Ohio, Pennsylvania, Tennessee, West Virginia, and Virginia. She is a member of the Ohio Bat Working Group, Kentucky Bat Working Group, Tennessee Bat Working Group, Midwest Bat Working Group, and the Southern Bat Diversity Network. Additionally, Mary Gilmore led NLEB surveys at Ohio's Camp Ravenna Joint Military Training Center in 2015 and assisted with Fort Drum surveys in 2011. She has extensive experience in both mist netting and radio telemetry tracking.

Ms. Jamie Willaman is a senior member of the Natural Resources group specializing in Federally Listed Bats and Wetland/Stream delineations and permitting. As an endangered bat biologist she has in-depth USFWS Section 7 consulting experience, knowledge of North American bats and their habitat, and 12 years of field survey practice including habitat tree identification, mist-net surveys, acoustic monitoring surveys, and radio telemetry. Jamie graduated from Kent State University with a Bachelor of Science in Conservation and one in Secondary Science Education in 2002. She has been working as a wetland delineator for over sixteen years and began managing endangered bat surveys twelve years ago. Mrs. Willaman manages EnviroScience endangered bat surveys including mist-net surveys, emergent surveys, habitat surveys, and she has been trained in using AnaBat and SonoBat for acoustical monitoring of populations. Jamie has had extensive training with Bat Conservation International (BCI), Bat Conservation and Management, and Bat Sense/BCID. Ms. Willaman is a member of the Northeast Bat Working Group, the Midwest Bat Working Group, the Southern Bat Diversity Network, the Ohio Bat Working Group and has attended several bat blitz events. Her range of bat projects have included large parcels for energy and government clients, linear corridors for energy and transportation clients, and she has composed two Biological Assessment coordination documents for the NLEB.

3.0 DETAILED SCOPE OF WORK

EnviroScience proposes to perform consultation and bat surveys at three tracts of Camp Dawson in Preston County, West Virginia including the Briery Tract, the Pringle Tract, and the Volkstone Tract. Services will be completed from May of 2016 to November of 2016 in accordance with the performance requirements stated in the State of West Virginia Request for Quotation CRFQ 0603 ADJ1600000020 and Addendum 1 of that solicitation.

3.1 Coordination Efforts

3.1.1 Kick-off Meeting and Weekly Updates

Within fifteen (15) days of contract award, the EnviroScience project manager will meet with the Camp Dawson Environmental personnel to coordinate the field schedule and develop an outline for the effort work plan. The meeting will be scheduled by Camp Dawson personnel and will occur prior to fieldwork initiation.

3.1.2 Study Plan

Following the kick-off meeting with Camp Dawson Environmental personnel, EnviroScience will develop a summer survey work plan for the project. The work plan will include survey methodologies, data handling procedures, how results will be handled and reported, a breakdown of costs, a project schedule, the credentials of staff performing all efforts, and will be in an acceptable format to submit to the USFWS for site specific authorization of the project.

3.2 Field Survey Efforts

3.2.1 Acoustic Presence/Absence Survey

Mary Gilmore of EnviroScience will lead the acoustic analysis services as the qualified biologist. Included in this task will be an estimated 100 detector nights at the Briery, Pringle and Volkstone Tracts of the facility. The estimated coverage is based on the USFWS survey effort requirements for presence/absence surveys of non-linear projects. The USFWS requires four (4) detector nights of survey per 123 acres of suitable summer habitat. According to the land analysis in 2013 Bat Survey Report, the 3 tracts contain 2,955.84 acres of forested land that can be considered suitable summer habitat (Briery 1150.10 acres, Pringle 1459.16 acres, and Volkstone 346.58 acres), therefore requiring a total of 100 detector nights to adequately survey the site.

The acoustic survey will be accomplished by setting multiple AnaBat recorders in areas of the site identified to have high potential of bat transverse and that meet the conditions to allow for effective bat pass recording. The survey will be conducted throughout the early roosting season to indicate which species may be present on the site and to direct where mist netting effort will be most effective. Recorded calls will be analyzed using one or more USFWS approved bat call identification programs per site and night. If the programs indicate the possible presence of an Indiana or Northern Long-eared bat call, then the recorded data from that site/night will receive a qualitative analysis according to USFWS standards to further vet the call's validity.

3.2.2 Mist Net Survey

Mary Gilmore of EnviroScience will additionally lead the bat mist net survey efforts at the Camp Dawson Training Site. Mist net surveys will be conducted for an estimated twelve (12) nights from May 15th to August 15th. It is anticipated that the survey effort will be accomplished by setting multiple net sets at each site each night. Net sites will be determined in collaboration with the WVARNG Natural Resource Office according to

acoustic results and previous year's captures. All guidelines in the USFWS 2016 Indiana Bat Summer Survey Guidelines will be followed. Standard measurements will be taken on all bats captured including sex, reproductive condition, and age. Survey locations, equipment, conditions, and results will be recorded on a standard mist netting dataform. Representative photographs of each net set and captured species will be taken and all net sites will be recorded with GPS.

3.2.3 Field Survey Reporting

EnviroScience will compose a draft report detailing the findings of the field survey efforts. The report will detail the methods used to perform the survey, the survey locations, conditions, and timing of each sampling event, the results of all survey efforts including detailed acoustic monitoring results and capture data, mapping of the sampling sites created in GIS, a discussion of the survey findings, and all other information required by the USFWS for report submission. EnviroScience will submit two (2) hard copies and one (1) electronic copy of the Draft Survey Report and maps to WVARNG Environmental personnel for review. Upon receiving written comments on the Draft Survey Report, EnviroScience will prepare a Final Survey Report and submit two (2) hard copies bound in a three ring binders and one (1) electronic copy to WVARNG personnel, including SDSFIE 2.6 compliant GIS data.

3.3 Management Plan Composition Efforts

3.3.1 ESMP Letter of Intent

EnviroScience will initiate coordination with interested federal, state, and local natural resource management agencies, as well as other local interested parties, regarding the development of a Camp Dawson Endangered Species Management Plan (ESMP) for the Indiana bat and Northern Long-eared bat. A letter, on WVARNG letterhead, will be sent to inform interested parties and request their input.

3.3.2 Endangered Species Management Plan

EnviroScience will develop a draft ESMP in accordance with Army Policy, the Endangered Species Act (ESA) of 1973, and the National Environmental Policy Act (NEPA) of 1969, as amended (42 USC 4321). The plan will cover compliance with regulating laws, species life history, species habitat requirements, goals and objectives of the plan, management strategies and actions, consultation and coordination, inventory and monitoring, summary of available data sources, identification of data gaps, and acronyms. The draft will be numbered by line and two (2) hard copies and one (1) electronic copy will be submitted to WVARNG environmental personnel for review. Upon receiving written comments on the Draft ESMP, EnviroScience will prepare a Final ESMP and submit three (3) hard copies bound in a three ring binders and one (1) electronic copy to WVARNG personnel.

3.4 Project Timeline

Table 2. Project Deliverable and Payment Schedule

Deliverables	Date	Payment Schedule
Project Start Date	May/June 2016	
Weekly Progress Reports	Weekly for Project Duration	
Completion of Surveys	By August 15, 2016	
Completion of Draft Survey Report	By September 15, 2016	50% of Funds
Completion of Final Survey Report and Draft ESMP	By October 15, 2016	
Completion of Final ESMP and Project	By November 15, 2016	50% of Funds

4.0 QUALIFICATIONS AND EXPERIENCE

4.1 Overall Company Description

EnviroScience, Inc. (EnviroScience) was established in 1989 to provide technical services in the environmental field. EnviroScience's reputation for Excellence in Any Environment has been built one project at a time by the use of technically sound and proven scientific protocols, understanding of current regulatory climates, accurate and detailed reports, and commitment to superior client service while remaining cost conscious. These strengths have made EnviroScience one of the fastest-growing companies in the region and led to its ranking as one of the Top 10 Workplaces in Northeast Ohio.

EnviroScience's depth of staff and company focus are two key areas that set us apart from the competition. The staff brings a broad range of scientific, construction and project management expertise to the table. EnviroScience is a small business employing over 80 permanent employees, including 55 scientists with PhD, MS, and other highly advanced degrees and certifications. EnviroScience also features a Marine Services Group, which employs a staff of fulltime 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.

EnviroScience's technical expertise and company size is ideal to address almost any problem within our skill set, while allowing the agility and flexibility to meet the changing demands of projects. The EnviroScience team is well-versed in the most current regulatory demands and latest technologies. These breakthroughs are incorporated into every project, enabling EnviroScience to exceed the client's expectations while adhering to a fixed budget and meeting aggressive schedules.

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

4.2 Demonstration of Past Experience

EnviroScience has been performing surveys for state and federally listed bat species for over 20 years. EnviroScience bat projects have included habitat surveys, roost emergence surveys, acoustic monitoring, mist net presence/absence surveys, radio telemetry tracking, informal and formal biological assessments and all forms of project coordination with the USFWS for Endangered Species Act Section 7 compliance and state regulatory agencies. EnviroScience bat surveys have ranged in size and scope depending on the project needs and have included extensive efforts for military facilities, utility corridors, large mining sites, the railroad industry, and private development. Our biologists have the ability and experience to complete bat surveys throughout the full range of both the Indiana bat and NLEB. EnviroScience uses the most up to date equipment and agency protocols as well as strictly adhering to the recommended decontamination procedures to prevent the spread of White Nose Syndrome. All survey efforts are documented with reporting including mapping, site and species data, photographs, and fully completed field dataforms.

EnviroScience has significant experience with large multidisciplinary projects for government and private industry. A summary of our experience is contained below in Table 3 and several highlight project summaries are included in Appendix I of this proposal.

Table 3. Bat Biologist Project Experience Matrix (Abbreviated).

SELECTED PROJECTS WITH SIMILAR ELEMENTS	Large Site	Habitat Survey	Mist Net Bat Survey	Acoustic Survey	Radiotelemetry	Hibernacula/ Portal Surveys	Informal Consultation	Formal Consultation
Camp Ravenna Joint Military Training Center	●	●	●		●		●	
Midwest Nuclear Station Ecological Survey – Piketon, Ohio	●	●	●				●	
Doan Brook Corridor Bat Survey		●	●				●	
Morrow Firing Range Endangered Species Survey		●	●				●	
Portsmouth Bypass Corridor Indiana Bat Surveys ODOT	●	●	●	●	●		●	●
Indiana Bat Mist-net Surveys at various US Army Training Facilities	●	●	●		●		●	
Fabius Island Transmission Line	●	●	●		●		●	
Lasiurine Mist Netting and Acoustic Data Migration Research		●	●	●			●	
Indiana bat Acoustic and Mist Net Survey. Johnson County, Missouri		●	●	●			●	
Fort Drum Bat Survey (sub-consultant)	●	●	●	●	●		●	
TDOT Multi-county Indiana Bat Mist Net Surveys	●	●	●	●	●	●	●	
Mist Net and Portal Surveys	●	●	●	●		●	●	
Pre-Construction Acoustic Monitoring for Proposed Windfarm Development		●		●			●	
White Nose Hibernacula Surveys		●				●	●	
Indiana bat surveys, Proposed Large Scale Natural Gas Pipeline	●	●	●	●	●		●	●
Indiana bat surveys Large coal mining sites	●	●	●	●		●	●	

APPENDIX I

Resumes and Exemplary Project Summaries



Mary Gilmore
Bat Ecologist / Wetland Scientist
Federal Fish and Wildlife Permit # TE62311A-1

EDUCATION

The Ohio State University, B.S. Forestry and Wildlife Management, 2008

PROFESSIONAL SUMMARY

Ms. Gilmore is a member of the EnviroScience team specializing in Threatened and Endangered Bats and Wetland/Stream delineating and permitting. As an endangered bat biologist, Ms. Gilmore has over 8 years' experience conducting threatened and endangered habitat assessments and bat surveys. Ms. Gilmore has a USFWS Indiana bat recovery permit through the extent on the bat's range and is a Qualified Bat Surveyor with the Commonwealth of Pennsylvania. Additionally, she has extensive field experience leading mist net surveys, conducting radio telemetry, and knowledge of threatened and endangered bats and their habitat. As a wetland/stream biologist, Ms. Gilmore has over 5 years' experience conducting wetland identifications and delineations, stream habitat assessments, and project reporting and permitting. She is proficient in using Global Positioning Systems (GPS) to map wetland boundaries and ecological features. Ms. Gilmore has conducted ecological work throughout Illinois, Indiana, Kansas, Kentucky, Michigan, New York, Ohio, Pennsylvania, Missouri, Oklahoma, Tennessee, West Virginia, and Virginia

PROFESSIONAL EXPERIENCE

EnviroScience, Inc. – Stow, OH. Ecologist, January 2015 – present

- Lead threatened and endangered bat surveys and prepare biological assessments.
- Conduct ecological surveys for wetland, aquatic and terrestrial habitat and avian as well as threatened and endangered species and habitat surveys.
- Preparation of ORAM, QHEI, HHEI forms for associated projects.
- Report and permit preparation for federal and state agencies and local property owners.

Civil & Environmental Consultants, Inc. – Cincinnati, OH. Assistant Project Manager, October 2010 – December 2014.

- Lead threatened and endangered bat mist net surveys and habitat assessments throughout the eastern U.S., including Illinois, Kentucky, Michigan, New York, Ohio, Pennsylvania, Missouri, Tennessee, West Virginia, and Virginia. Responsibilities included project management and field management of mist net sites, training technicians, safe removal and identification of bats from mist nets, collecting morphological and site data, managing and conducting telemetry efforts, managing data, and reporting to agencies.
- Conducted jurisdictional waters identifications, delineations, mitigation monitoring field investigations, ORAM, HHEI, QHEI, MiRAM, and USACE regional supplements (Northcentral and Northeast, Midwest, Eastern Mountains and Piedmont, and Atlantic and Gulf Coast).

- Technical report writing and preparation following the U.S. Army Corps of Engineers 1987 Wetland Delineation Manual.
- Manage wetland delineation and threatened and endangered species habitat assessment projects
- Preparation of U.S. Army Corps of Engineers Nationwide Permits and Ohio EPA General and Individual Isolated Wetland Permits.

SCIENTIFIC TRAINING AND MEMBERSHIPS

- **Ohio Bat Working Group, Member**
- **Kentucky Bat Working Group, Member**
- **Tennessee Bat Working Group, Member**
- **Midwest Bat Working Group, Member**
- **Northeast Bat Working Group, Member**
- **Southern Bat Diversity Network, Member**
- **Acoustic Techniques Analysis Course, Titley Scientific, 2014**
- **Analogous Analysis Course, Titley Scientific, 2014**
- **Wetland Delineation Training, Wetland Training Institute, 2011**
- **Ohio Biological Survey**
- **The Nature Conservancy Volunteer**
- **40-Hour OSHA HAZWOPER Training Course, 2014**
- **40 Hour USACE Basic Wetland Delineation, Wetland Training Institute, Inc. 2011**
- **10 Hour OSHA Safety Training, 2012**
- **Ohio Rapid Assessment Method (ORAM), 2013**

SELECTED PROJECT EXPERIENCE

Camp Ravenna Planning Level Bat Survey. Ravenna, Ohio 2015.

Conducted mist net surveys targeting Northern Long-eared bats for 25,000 acre National Guard Training facility. Responsible for on the ground site selection, netting, species ID and data logging, transmitter application, radio telemetry, and emergence counts. Completed 60 net nights and one NLEB tracking event and will lead the 2016 summer survey continued effort..

Indiana Bat Mist Net Surveys, Tennessee Department of Transportation, Various Counties in Tennessee, 2012, 2013, 2014.

Team leader for Indiana bat mist net surveys throughout the state of Tennessee for various projects for TDOT. Responsibilities included coordination and management of mist net survey sites, coordination with USFWS, location of suitable habitat and netting sites, bat capture and identification, radio telemetry, and report generation.

Undisclosed Client, Natural Gas Pipeline. Various Counties in Indiana, Michigan, and Ohio. 2014

Field leader for wetland and stream delineations for natural gas pipeline infrastructure. Utilized GPS to record wetland boundary locations; determined wetland boundaries following the U.S Army Corps of Engineers 1987 Wetland Delineation Manual; categorized wetlands following the ORAM and Michigan rapid Assessment Method (MiRAM) manuals; and assessed stream habitats following the QHEI and HHEI manuals. Assisted with the preparation of letter reports, delineation reports, mist net survey reports, USFWS, ODNR, and SHPO documents.

White Nose Hibernacula Surveys, Kentucky Department of Fish and Wildlife. 2014.

Assisted KDFWR with 2014 winter hibernacula White Nose surveys. Responsibilities included locating and identifying bat species present within surveyed caves, and identifying the presence of White Nose Syndrome (WNS) on the bats. Of the 835 bats identified within the caves, 58

bats exhibited signs of WNS. 267 *Myotis sodalis* bats, 11 *Myotis septentrionalis*, and 1 *Myotis lebeii* were identified within the surveyed caves.

Kentucky Division of Fish and Wildlife Resources, White Nose Surveys, Various Counties, Kentucky (2011 and 2014).

Assisted with hibernacula white nose surveys at known Indiana bat hibernacula at various counties throughout Kentucky. Responsibilities included strict adherence to USFWS decontamination protocol, assessing health and conditions of bat populations within caves, and counting and recording bat populations within caves.

Pennsylvania Department of Transportation, Somerset County, Pennsylvania. 2013.

Assisted Qualified Indiana Bat Surveyor in conducting bat harp trap surveys on cave/abandoned mine portals.

Undisclosed Client, Natural Gas Pipeline. Various Counties in Kentucky, Ohio, Pennsylvania, and West Virginia. 2013.

Field leader for wetland and stream delineations and endangered bat surveys for a proposed natural gas pipeline project. Utilized GPS to record wetland boundary locations; determined wetland boundaries following the U.S Army Corps of Engineers 1987 Wetland Delineation Manual; categorized wetlands following the Ohio Rapid Assessment Method (ORAM); and assessed stream habitats following the Qualitative Habitat Evaluation Index (QHEI) and Primary Headwater Habitat Evaluation (HHEI) manuals. Assisted with the preparation of letter reports, delineation reports, mist net survey reports, USFWS, ODNR, and SHPO documents. Additional responsibilities included acting as a team leader for Indiana bat mist net surveys, coordination with subconsultants and agencies, selecting and managing mist net survey sites, bat capture and identification, radio telemetry, and report generation. Responsible for selecting and managing acoustic survey site locations, collecting acoustic bat call monitoring data and analysis of data through software. Approximately six projects, totaling 12 detector nights were sampled.

Indiana bat Mist Net Survey. Johnson County, Missouri. 2012.

Conducted Indiana bat mist net surveys for a proposed 6 mile natural gas pipeline replacement project. Responsible for selecting and managing mist net site locations, habitat assessment, site characterization and taxonomic identification of several species of bats, safe removal of bats from mist nets, collecting morphological data, and implementation of White Nose Syndrome protocols. Additionally, responsible for collecting acoustic bat call data and analyzing data through software.

Acoustic and Mist Net Surveys, Tennessee Department of Transportation; Blount, Hamilton, Hardin, Henry, Marion, Maury, Montgomery, Overton, Rhea, Sumner, and Williamson counties, Tennessee. 2012.

Conducted mist net and acoustic surveys for new alignments and road widening. Responsible for selecting and managing mist net site locations, interacting with private landowners, habitat assessment, site characterization and taxonomic identification of several species of bats, safe removal of bats from mist nets, collecting morphological data, bat identification, acoustic surveys and analysis, and implementation of White Nose Syndrome protocols. 30 gray bats (*Myotis grisescens*) were captured at managed sites throughout the survey period. Approximately 26 projects totaling 52 detector nights were sampled.

Bat Habitat Assessment. McDonald County, Missouri. 2011.

Conducted Indiana bat habitat assessment and potential Indiana bat roost tree survey within proposed natural gas pipeline right-of-way. Responsible for conducting pedestrian surveys

within the project area to identify and record the locations of potential Indiana bat roost trees, and to assess the habitats within the project area.

Fort Drum, Jackson and Lewis Counties, NY. 2011.

Utilized mist netting surveys and radio telemetry techniques to document the spatial and temporal use and distribution of bats within the Fort Drum landscape. Team leader for bat mist net surveys throughout Fort Drum. Responsibilities included coordination and management of mist net survey sites, location of suitable habitat and netting sites, bat capture and identification, applying radio transmitters to captured bats, and radio telemetry of bats.

Undisclosed Client, Landfill Expansion Project, Marshall County, West Virginia. 2011

Field leader for Indiana bat mist net surveys and potential portal surveys within a proposed fly ash landfill expansion project. Responsibilities included coordination and management of mist net survey sites, location of suitable habitat and netting sites, bat capture and identification, coordinating and executing transect surveys for potential hibernacula portal openings.

Carter, Estill, Lee, and Rockcastle Counties, KY. 2011.

Conducted 2011 winter hibernacula surveys in eastern Kentucky, in conjunction with the Kentucky Department of Fish and Wildlife Resources (KDFWR). Responsibilities included locating and identifying bat species present within surveyed caves, and identifying the presence of White Nose Syndrome (WNS) on the bats. Of the 1,800 bats identified within the caves, no bats exhibited signs of WNS 346 Indiana bats were identified within the surveyed caves.

Lasiurine Migration Research. Huron, Ohio 2010.

Conducted mist net surveys targeting Lasiurine bats migrating around Lake Erie for proposed wind energy facilities. Responsible for collecting morphological and site data, assisting in attaching transmitters to Lasiurine bats, banding all captures, collecting morphological data, radio tagging Lasiurine bats, monitoring automated datalogging stations, and data entry.

Indiana Bat Foraging Research. Pickaway County, Ohio. 2008 and 2010.

Responsible for selecting, setting up and operating mist net stations and safe removal of bats from the nets. Handled and identified captured bats, measured and recorded morphological data, utilized night telemetry to determine home ranges of Indiana bats (*Myotis sodalis*), and day telemetry to identify roost trees. Other responsibilities included vegetation sampling, training new technicians, data entry, banding and radio tagging captures, and roost tree emergence counts. Assisted with contacting landowners for access permission and interacting with local government and game officials. Approximately 34 Indiana bats were tracked to collect day roosting behavior and foraging behavior for the life of their transmitter. Team member assisting a graduate student studying the foraging patterns of Indiana bats. Field work included selecting and setting up mist net locations, banding captured bats, applying radio transmitters to Indiana bats, day radio telemetry to determine roost trees, night radio telemetry tracking foraging behavior of Indiana bats, vegetation monitoring, data entry, and training technicians.

Windfarm Mortality Survey, Portage PA, Clinton, NY. 2009.

Contracted with a private consulting company as a Project Supervisor to conduct fatality surveys for various windfarms throughout the northeast. Worked closely with state agencies such as the Pennsylvania Game Commission and with site project manager to establish and follow strict protocol for windfarm mortality surveys. Responsible for identification and labeling of bird and bat specimens and entering precise data, including compass coordinates, GPS data, and weather information. Responsible for leading a site setup crew and daily maintenance, efficiency studies, scavenging surveys, daily site surveys, scheduling, data entry, and interacting with windfarm technicians and managers. Supervised a team and prepared accurate weekly and monthly reports.



JAMIE WILLAMAN
Ecological Operations Manager
Bat / Wetland Ecologist

EDUCATION

B.S. Conservation/Natural Resources, Minor Biology, Kent State University, 2002
B.S. Secondary Education, Comprehensive Science, Minor Geology, Kent State University, 2002

PROFESSIONAL SUMMARY

Ms. Willaman is the EnviroScience Operations Manager. As operations manager she is responsible for project planning and tracking, personnel, equipment, and vehicle scheduling, proposal development, perspective employee interviews and making EnviroScience processes more efficient. In addition, Ms. Willaman is a senior member of the Natural Resources group specializing in the Federally Listed Bats and Wetland/Stream delineation and permitting. As an endangered bat biologist she has in-depth USFWS Section 7 consulting experience, knowledge of northeastern bats and their habitat, and 12 years of field survey practice including habitat tree identification, mist-net surveys, acoustic monitoring surveys, and radio telemetry. Jamie graduated from Kent State University with a Bachelor of Science in Conservation and one in Secondary Science Education in 2002. She has been working as a wetland delineator for over sixteen years and began managing endangered bat surveys twelve years ago. Mrs. Willaman manages EnviroScience endangered bat surveys including mist-net surveys, emergent surveys, habitat surveys, and she has been trained in using AnaBat and SonoBat for acoustical monitoring of populations. Jamie has had extensive training with Bat Conservation International (BCI), Bat Conservation and Management, and Bat Sense/BCID. Ms. Willaman is a member of the Northeast Bat Working Group, the Midwest Bat Working Group, the Southern Bat Diversity Network, and the Ohio Bat Working Group and has attended several bat blitz events. Her range of bat projects have included large parcels for energy and government clients, linear corridors for energy and transportation clients, and she has composed two Biological Assessment coordination documents for the NLEB.

PROFESSIONAL EXPERIENCE

Ecological Operations Manager, EnviroScience, Inc., Stow, Ohio, 2014- Present.

- Promoted to Operations Manager in January of 2014.
- In addition to her previous duties of Project Administrator her new responsibilities include analyzing internal ES processes and identifying increases in efficiency and profitability.
- Continuation of bat and wetland project management and fieldwork.

Senior Project Administrator, EnviroScience, Inc., Stow, Ohio, 2012- 2013.

- Promoted to Project Administrator in October of 2012.

- New responsibilities include scheduling of ecological staff and equipment to assure appropriate skills are being utilized for each project, project tracking for efficiency and completeness, management of employee billable goals and budget, resume review and interviewing of new perspective staff, review of reports and project documents, general management tasks and paperwork.
- Continuation of bat and wetland project management and fieldwork.

Wetland Group Manager, EnviroScience, Inc., Stow, Ohio, 2010- 2012.

- Promoted to Wetland Group Manager in February of 2010.
- New responsibilities include scheduling of wetland staff and equipment to assure appropriate skills are being utilized for each project, project tracking for efficiency and completeness, management of wetland employee billable goals and budget, review of reports and project documents, general management tasks and paperwork.
- Continuation of bat and wetland project management and fieldwork.

Indiana Bat / Wetland Project Manager, EnviroScience, Inc., Stow, Ohio, 2004- Present.

- Author of Biological Assessments regarding listed bat species.
- Project manager and field manager for habitat, emergence, mist net, acoustic, and telemetry surveys for federally endangered Indiana bat projects.
- Wetland Delineation, ORAM, QHEI, HHEI, and Mitigation/Monitoring for wetlands projects.
- Wetland Mapping using Global Position System equipment, topographic surveys, GPS Pathfinder and AutoCAD software.
- Report and Permit preparation for federal, state, county, and local state agencies.
- Terrestrial Surveys, agency coordination and accepted reporting methods.
- Specializing in mining regulations and compliance.

Biologist, Flickinger Wetland Service Group, Fairlawn, Ohio, 2000-2003.

- Wetland assessments, delineations, permitting, mitigation planning, monitoring.
- Explained specific property characteristics to federal and state agencies and property owners at professional meetings and site visits.
- GPS and AutoCAD. Report writing.

SCIENTIFIC TRAINING AND MEMBERSHIPS

- 38 Hour Army Corps of Engineers Wetland Delineation, Richard Chinn 2005.
- Ohio Rapid Assessment Method (ORAM), OEPA Workshop 2001, 2002.
- Qualitative Habitat Evaluation Index (QHEI) and Biocriteria Assessment, OEPA 2003.
- Headwater Habitat Evaluation Index (HHEI), OEPA Workshop 2003.
- OEPA Certified Data Collector Level 2, 2010.
- Project Development Process (PDP), ODOT Seminar 2005.
- Waterway Permits Training, ODOT Seminar 2005.
- Ecological Training, ODOT 2005.
- Waterways Permitting, ODOT 2005.
- U.S. Fish and Wildlife Consultant Training, USFWS 2005.
- Vegetative Index of Biotic Integrity (VIBI) Training, OEPA 2005.
- SCUBA certification: Open Water, SSI 2005.
- Amphibians of NE Ohio, OEPA, 2007.
- Jurisdictional Determination, Post-Rapanos, USACE, 2007.
- Bat Conservation and Management Training, BCM, 2008.
- Bat Conservation and Management Training, BCI, 2008.
- Bat Conservation Acoustic Monitoring Training, BCI, 2010.
- Bat Conservation Advanced Capture Training, BCI, 2011.
- Acoustic Techniques and Analook Analysis Course, Bat Sense, 2014.

- Society of Wetland Scientists.
- Nature Conservancy Volunteer, White Pine Bog Preserve.
- Southern Bat Diversity Network Member and Bat Blitz Participant, 2011-2013.
- Midwest Bat Working Group Member.
- Northeast Bat Working Group Member.
- Ohio Bat Working Group Member.
- Bat Conservation International Member.

OTHER TRAINING

- MSHA Surface Mining
- FRA Rail Safety
- E-Rail Safe
- AutoCAD
- First Aid & CPR

SELECTED PROJECTS

Northern Long-eared bat Biological Assessment, Dominion, OH 2015.

Lead writer of a Biological Assessment (BA) regarding the impacts of the Western Access Pipeline Project on the Federally Threatened Northern Long-eared Bat. Researched the most current available literature on the life history of the bat species and analyzed the impact all phases of pipeline construction will have on the species. Compiled appropriate mitigation measures for incidental take. The completed BA was coordinated the USFWS and a Biological Opinion for the project was issued.

Camp Ravenna Planning Level Bat Survey. Ravenna, Ohio 2015.

Coordinated with USFWS for site specific authorization of a mist net survey of a 25,000 acre National Guard Training facility. Analyzed past capture data, past acoustic data, and aerial and natural resource mapping to determine the approximate location of 60 mist net locations. Assisted mist net surveys targeting Northern Long-eared bats, including bat handling, species ID and data logging, radio telemetry, and emergence counts. Will manage the 2016 summer survey continued effort.

Indiana bat and Northern Long-eared bat Biological Assessment, ODOT, OH 2014.

Lead writer of a Biological Assessment (BA) regarding the impacts of the ODOT/Federal Highway Administration Portsmouth Bypass Project on the Federally Endangered Indiana Bat and the Proposed Endangered Northern Long-eared Bat. Researched the most current available literature on the life history of the bat species and analyzed the impact all phases of bypass construction will have on the species. The completed BA was coordinated the USFWS and a Biological Opinion for the project was issued.

Indiana bat Presence/Absence Survey, HG Energy, WV 2013.

Project Manager and field leader for a mist net effort at two proposed pipeline projects spanning Lincoln, Tyler, and Wetzel Counties, WV. In combination a total of 72 net nights were performed and 90 bats from 4 species were captured. All field efforts and captured bat data were compiled into full reports submitted to the USFWS and concurrence with the Indiana Bat probable absence was attained.

Dominion Resources, Gas Pipeline, Wetlands Delineation and Assessment, various locations, OH, PA, WV, 2008-Present.

Team member/field biologist for wetland delineation and assessment services for the replacement of existing gas pipelines in various locations throughout Ohio. Conducted fieldwork to delineate

and assess wetland boundaries, functional assessment and determination of adjacency to other "Waters of the U.S." She assisted in preparation of letter reports, delineation reports, Stormwater Pollution Prevention Plan documents, USFWS, ODNR and State Historic Preservation Office documents, NWP 404, and 401 WQC documents for Dominion Resources.

Plum Brook Station Wetland Delineation. Sandusky, Ohio, 2011-2012.

Delineation of approximately 6400 acres of property at the NASA Plum Brook Station in Sandusky, Ohio. Delineations began in summer 2011 and were completed in spring 2012. Mapping of resources and report compilation.

Indiana Bat Mist Net Survey, US Army, OH, MO, IN 2011.

Coordination and management of 4 mist net survey efforts for the US Army at training facilities. Responsibilities included generation of a study scope, coordination with USFWS, location of suitable habitat and netting sites, bat capture and identification, and report generation. Capture of 15 Indiana bats and radio telemetry of 3 adult females.

Indiana Bat Mist Net Survey, ODOT, OH 2011.

Selection of mist netting and habitat locations along a 24 kilometer proposed bypass in Portsmouth, Ohio. Coordination and management of 18 mist net survey sites. Responsibilities included generation of a study scope, coordination with USFWS, location of suitable habitat and netting sites, bat capture and identification, and report generation.

Rare, Threatened and Endangered Species/ Ecological Study/Wetlands Delineation on approximately 1400 acres for the Proposed Midwest Nuclear Station, Piketon, Pike County, OH 2010-11.

Field ecologist for rare, threatened and endangered species surveys and wetlands and waters delineation survey conducted during the 2010 and 2011 field seasons. EnviroScience ecologists assessed the 1400 acre property, collected all data using GPS technology and provided mapped data using ESRI's ArcGIS software.

Indiana Bat Mist Net Survey, Dominion Windham Replacement Line, OH, 2010.

Coordination and management of 3 mile corridor endangered bat survey in eastern Ohio. Responsibilities included generation of a study scope, coordination with USFWS, location of suitable habitat and netting sites, bat capture and identification, and report generation.

Individual 404 and 401 WQC, OAEI Salt Run North Mining Site, OH, 2009-2010.

Compiled and produced all documentation for application to both the Ohio EPA and USACE for Clean Water Act permitting, including alternative analysis of three potential build plans, ecological impact analysis, social and economic analysis, public notice, wetland and stream mitigation formulation, and conceptual mitigation design using CCAD. The project involved intense coordination with the client, the client's engineers, federal and state agencies. Permits were received four months after submission.

Wetland Mitigation Monitoring, Kimble Mako and Shell Properties, 2008.

Performed first year monitoring of two constructed wetlands including delineation of all wetlands and other waters using the methods outlined in the *Army Corps of Engineers Wetlands Delineation Manual* (1987) and the Ohio Rapid Assessment Method v. 5.0 (2001), generation of As-built mapping using CCAD, vegetation inventory, recommendations of future wetland improvements, and report generation for the purpose of monitoring quality and development of the mitigation site.

Indiana Bat Mist Net Survey Management, West Virginia Resources Eureka North Site, 2008.

Coordination and management of an 1100+ acre endangered bat survey in southeastern Ohio. Responsibilities included generation of a study scope, coordination with USFWS, location of

suitable habitat and netting sites, bat capture and identification, and report generation.

Wetlands, Waterways, and Indiana Bat Survey of OAEI Site, Brilliant, Ohio, 2005.

Project manager of field operations for delineation of all wetlands, streams, and other aquatic systems of over 2000 acres for future development. The project followed methods outlined in the *Corps of Engineers Wetlands Delineation Manual* (1987), the Ohio Rapid Assessment Method v. 5.0 (2001) and the Headwater Habitat Evaluation Index (HHEI). Coordination with the USFWS for Indiana Bat survey and assistance with bat survey field operations. A detailed report and mapping using AutoCAD was provided for the designated areas upon conclusion of the project.

Wetland 401/404 Permitting of the Star Ridge Coal Mining Site, 2006-2007.

Compiled and produced all documentation for application to both the Ohio EPA and USACE for Clean Water Act permitting, including alternative analysis of three potential build plans, ecological impact analysis, social and economic analysis, public notice, wetland and stream mitigation formulation, and conceptual mitigation design using CCAD. The project involved intense coordination with the client, the client's engineers, federal and state agencies. Permits were received four months after submission.

Wetlands and Other Waters Delineation of the Ravenna TLS, 2003-2006.

Delineation of wetlands and other aquatic systems in over 2500 acres of the RTLS (formerly Ravenna Army Ammunition Plant), for future development. The project followed methods outlined in the *Corps of Engineers Wetlands Delineation Manual* (1987) and the Ohio Rapid Assessment Method v. 5.0 (2001). A detailed report and mapping using ArcView GIS was provided upon conclusion of the project.

Woodbury Stream Restoration and USACE NWP Permitting, City of Solon, OH 2004-2005.

Coordination with client and agency regarding the preparation of necessary documents to complete the permitting application to authorize a stream restoration project under the Nationwide Permit 27 of the U.S. Army Corp of Engineers Program.

OTHER EXPERIENCE

Lab Assistant, NEOUCOM Neurobiology Department, Rootstown, Ohio. 2001.

Assisted with a grant study on the genetic development of Zebra Fish. Aquarium maintenance, breeding of fish, animal testing training course, laboratory safety and maintenance, and assisted the doctor with general genetic testing procedures.

Customer Service Representative and Trainer, Xtrasource, Kent, Ohio. 1999-2001. Internal Electronic troubleshooting of audio/visual equipment and garage door openers, customer installation, programming and policy/warranty assistance, data entry and intranet navigation. Advanced to top level CSR and then New Employee Trainer.

Nature/Gardening Counselor, Kenwood Resident Camp, Kent, Connecticut. 1999.

Planned and implemented nature study and gardening program to co-ed campers age 5-16. Helped plan and construct facility vegetable and herb garden.

FEDERALLY LISTED BAT HABITAT ASSESSMENT, MIST-NET SURVEY, FORMAL COORDINATION, BIOLOGICAL ASSESSMENT

17 Mile ODOT Corridor, Portsmouth, Scioto County, Ohio

Client

ASC Group, Inc.

Key Services Provided

- Biological Assessment
- Indiana Bat Mist Net Survey
- Full Report and Coordination

Contact

Earley (614)

643-3205

Project Duration

April 2011 – Dec 2014

Total Project Cost

\$164,000

ES Key Staff

Jamie Willaman



ASC Group contracted EnviroScience Inc. to assist with issues pertaining to the potential adverse effect to the endangered Indiana Bat (*Myotis sodalis*) of the construction of the proposed Ohio Department of Transportation (ODOT) Portsmouth Bypass Corridor (SCI-823-0.00/6.81, PID 19415) project.

The Portsmouth Bypass corridor is located in Scioto County, Ohio, is approximately 16.33 miles (26.28 kilometers) in length and contained approximately 11.58 miles (18.64 km) of forested habitat. EnviroScience determined that the USFWS minimum effort required to survey the corridor would require 19 net sites. Through site specific coordination with both the USFWS Region 3 and the ODNR Division of Wildlife EnviroScience gained approval to conduct mist-net surveys in the 2011 summer roosting season. EnviroScience then performed field reconnaissance of the entire corridor to determine the best locations for these net sites and submitted the findings to ODOT and USFWS for approval. A total of 38 nights of sampling at 19 net sites (75 net nights) resulted in the capture of 121 bats representing 6 species. No Indiana Bats were captured. A variety of net heights (single, double, and triple-high) and a variety of net widths (4, 5, 6, 9, 12, and 18 meter) were utilized throughout the corridor. All captured bats were identified to species, weighed, photographed, measured for forearm length, and had their sex, age, reproductive condition, and wing condition evaluated. Photographs, GPS coordinates, site drawings, and weather conditions were documented for each net night. A report of all data, captures, and documentation was completed. The report was submitted to the USFWS and ODNR and they concurred with the findings of probable absence of Indiana Bat.

Due to delays in construction schedule, tree clearing on the Portsmouth Bypass Project was not conducted in 2011, or 2012 and when the project was ready to move forward ODOT faced a new issue; the proposed federal listing of the Northern Long-eared bat (*Myotis septentrionalis*, NLEB) under the Endangered Species Act. In the mist-net survey of 2011 a total of 39 NLEB were captured in the proposed corridor. ODOT contacted EnviroScience to assist with USFWS formal consultation, since the site was now likely to affect the species. EnviroScience composed a full Biological Assessment (BA) of the projects effects on both the NLEB and Indiana Bat including a full life history and current research section, an area of interest with species home range buffer determination and a direct, indirect, cumulative and interdependent effects analysis, and conservation/ mitigation formulations. The BA was accepted by USFWS with little revision and a Biological Opinion was issued by the USFWS allowing the project to move forward.

FEDERALLY LISTED BAT MIST-NET SURVEY

Route 64 Improvement Project

Alleghany County, Virginia

Client

Engineering Consulting
Services, LLC (ECS)

Key Services Provided

- Indiana and Northern Long-Eared Bat Mist Net Survey
- Report and Coordination

Contact

Adam M. Meurer
ECS Mid-Atlantic
2119-D North Hamilton
Street
Richmond, VA 23230

Project Duration

July 2015

ES Project Cost

\$9,869.60

Total Project Cost

\$9,869.60

ES Key Staff

Mary Gilmore



Virginia Department of Transportation contracted Engineering Consulting Services Mid-Atlantic, LLC (ECS) and EnviroScience, Inc. (ES) to conduct a probable presence/absence survey for the Indiana bat (*Myotis sodalis*; Federally Endangered) and the northern long-eared bat (*Myotis septentrionalis*; Federally Threatened) at the Route 64 Improvement Project in Low Moor, Alleghany County, Virginia.

The mist net survey was conducted in accordance with the *2015 Range-Wide Indiana Bat Summer Survey Guidelines* (April 2015). A total of 6 net nights (1 site x 3 net sets x 2 nights = 6 net nights) were completed within the Route 64 Project Area. Two net sets (12m wide x 7.8m high and 6m wide x 7.8m high) were erected over channels flowing into the Jackson River. A third net set (9m wide x 7.8m high) was erected over an intermittent tributary to the Jackson River.

A total of four bats representing two species were captured during mist-net survey efforts: three eastern red bats (*Lasiurus borealis*) and one big brown bat (*Eptesicus fuscus*). All captured bats were identified to species, weighted, measured, assessed for age, sex, reproductive status, and White Nose Syndrome wing damage, photographed, and released within 30 minutes of capture.

A comprehensive survey report was compiled including mapping of net locations, photographs, captured bat morphometric data, and fully completed field data forms. The USFWS concurred with the findings of the survey as presented in the report.

16.4 MILE WETLAND & STREAM DELINEATION, PERMITTING, AND OTHER ECOLOGICAL SERVICES FOR PIPELINE INSTALLATION

Client

The East Ohio Gas Company

Key Services Provided

- Wetland & Stream Delineation
- GIS Mapping
- Nationwide Permit
- Individual 401 Permit
- Endangered Species Coordination
- Historic Coordination
- Stormwater Plan
- Upland Sandpiper Survey
- Mussel Survey
- Biological Assessment

Contact

Ms. Tara Buzzelli
(330) 664-2579
Tara.E.Buzelli@dom.com

Project Duration

June 2014-September 2015

Total ES Project Cost

\$200,000

Key Staff

Laura Sayre
Emma Kennedy
Danielle Papineau
Mary Mahoney
Ann Gilmore
Mary Gilmore
Brooke Harrison
Jamie Willaman

Western Access II



EnviroScience (ES) delineated wetlands and other waters and identified potential endangered species habitat along a 16.4 mile long (200 feet wide) proposed pipeline corridor in Harrison and Tuscarawas Counties, Ohio. Portions of the corridor were located within existing right-of-way and portions were located within new right-of-way. The project area contained 61 wetlands (10.5 acres),

79 waterways (17,000 linear feet), 2 ponds (0.06 acres), and 304 trees that could potentially provide habitat for threatened and endangered bats. All site data were compiled using ArcGIS and provided to the client before the due date.

As part of the project, ES attended weekly meeting with the client to discuss the progress and advise on potential problems that may arise. Throughout the project, ES coordinated with Ohio Department of Natural Resources (ODNR), U.S. Fish and Wildlife (USFWS), Ohio Historic Preservation Office, and the Muskingum Watershed Conservation District to receive various approvals and ensure the project was in compliance. Through coordination with the ODNR, ES was required to perform a point count survey for the upland sandpiper and a Phase I mussel survey on two streams. ES also prepared a Stormwater Pollution Prevention Plan for use during site construction. In addition, ES prepared applications for a Nationwide Permit (NWP #12) through the U.S. Army Corps of Engineers (USACE) and an Individual 401 Water Quality Certification through the Ohio Environmental Protection Agency. Through the permitting process, ES provided timely updates and responses to both the USACE and OEPA's questions. The most significant issue during permitting was the applicant's desire to clear approximately 90 acres of forest between April 1 and October 1. ES developed several options on how to proceed for the applicant. The applicant decided to assume presence of threatened and endangered bats and prepare a Biological Assessment (BA). ES prepared the BA according to the applicant's strict deadline and it was submitted to the USACE and USFWS in under one month. The BA that ES prepared was accepted and was made part of a Biological Opinion (BO) and the final permits were issued. As part of the issued NWP and BO, ES had to monitor all onsite summer tree clearing activities to ensure the contractors did not clear more than the proposed forested acreage and that the take of threatened and endangered bats was kept below the permitted number. After construction is complete, ES will go back to the project area and ensure all wetlands and streams were replaced as specified in the permits. This monitoring will continue for a period of five years.

Because of their dedication, technical skill, and knowledge of regulations, ES biologists were able to meet or exceed all project deadlines and provide the client with valuable insight regarding environmental compliance, saving the client time and money.

Integrated Natural Resources Management Plan (INRMP) Update at the Camp Ravenna Joint Military Training Center

Client
Ohio Army National
Guard - Camp Ravenna
Joint Military Training
Center

ES Project No. 5278

Key Services Provided

- Coordination with military and agency personnel
- Existing document analysis & update
- Inclusion of Previous 5 Years' Survey and facility Data
- GIS updates to spatial and cartographic data
- 22+ Maps
- Compliance with the Sikes Act protocol and requirements

Contact
Timothy Morgan

Project Duration
2012-2015

ES Project Cost
\$32,470.40

ES Key Staff
Jamie Willaman
Danielle Papineau



Integrated Natural Resources Management Plan Update - Environmental consultancy support for a review for operation and effect of existing management plan, including spatial data and cartographic products

EnviroScience, Inc. (ES) has been contracted by the Ohio Army National Guard (OHARNG) to provide environmental consultancy support for evaluating and updating the existing Integrated Natural Resources Management Plan (INRMP) at the Camp Ravenna Joint Military Training Center (CRJMTC) in Portage and Trumbull Counties, Ohio, in accordance with the The Sikes Act (16 USC 670a-670o, 74 Stat. 1052) for cooperation by the Department of the Interior and Department of Defense with State agencies in planning, development and maintenance of fish and wildlife resources on military reservations throughout the United States. This update acted as a review for operation and effect of the 2008 INRMP for the 21,680 acre facility and involved incorporating all biological surveys, facility changes, and status updates that have occurred with regards to natural resources, since the finalization of the 2008 INRMP. As a result of this effort, continued implementation of the INRMP has been favored by cooperating environmental agencies for conservation and preservation of natural resources while in support of the installation's primary purpose, the military mission.

As part of updating the INRMP, EnviroScience was also tasked with updating 22 maps and related spatial data, packaged within a completely new, visually pleasing, map layout design. Integration of several datasets and sources was necessary to capture, and subsequently map, current conditions. Sources included publically available spatial data from USFWS and USGS, the previous geodatabase, field survey data from the previous 5 years, GIS shapefiles, CAD drawings, hand-drawn paper maps, and hand-written data. Additionally, heads-up digitizing captured verbal accounts of current conditions as given by Timothy Morgan, CRJMTC's State Environmental Manager of 20+ years. Cartographic products included an installation and facilities map, soils classification, surface water, surveyed wetlands, forest management, rare species locations, improved/semi-improved/unimproved grounds, mowing plan, herbicide vegetation control map, hunting areas, map, cultural resources / archaeological survey map, timber harvest history, timber stand improvement, and others.

In conjunction with updates to the INRMP, planning level surveys (PLS) were also updated to include survey, inventory, and spatial data within the previous 5-years for threatened and endangered species, wetlands, surface waters, vascular plants, and fauna. Additional mapping was also required for this task and resulted in 2 – 6 additional maps per PLS.

Indiana Bat Mist-Net Survey and Radio Tracking

Ameren Fabius Island Transmission Line Project
Marion County, Missouri and Adams County, Illinois



Client
AMEC
c/o Ameren Services

ES Project No. 5997

Key Services Provided

- Potential Habitat Assessment
- Indiana Bat Mist-Net Survey
- Full Report and Coordination

Contact
Stephen Stumne
AMEC Environment & Infrastructure
15933 Clayton Road
Suite 215
St Louis, MO 63011

Project Duration
July to September of 2013

ES Project Cost
\$31,245.00

Total Project Cost
\$31,245.00

ES Key Staff
Jamie Willaman

Ameren Services contracted EnviroScience Inc. and AMEC Environment & Infrastructure to perform a presence/ absence survey for the federally endangered Indiana Bat (*Myotis sodalis*) on the Ameren Fabius Island transmission line project in accordance with the 2013 USFWS Indiana bat Summer Survey Guidelines. The transmission line project is located near Palmyra in Marion County, Missouri and extends to southern Quincy, Adams County, Illinois.

Prior to project initiation, site specific authorization was attained from the USFWS, Illinois Division of Wildlife, and Missouri Department of Conservation, as required by federal and state endangered species collection permits.

A total of 16 net nights were conducted; eight net nights throughout forested woodlot sites and eight net nights at the Mississippi River crossing. A variety of net heights (single, double, and triple- high) and a variety of net widths (2.6 to 18 meters) were utilized throughout the sites.

The survey resulted in the capture of 45 bats representing seven species. In total, twenty-nine Eastern red bats, five Northern long-eared bats, one big brown bat, three little brown bats, five evening bats, one tri-colored bat, and one Indiana bat were captured. All captured bats were identified to species, weighed, measured, assessed for age, sex, and reproductive status, photographed, and released within 30 minutes of capture.

The captured Indiana bat was tagged with a radio transmitter and released at the point of capture. Radio telemetry tracking was conducted upon release and continued during the day for two days, until the bat's diurnal roost was located approximately 3.5 miles south of the proposed transmission line. The identified roost tree was observed at sunset to attain an emergence count of bats leaving the roost. It was found that the roost tree was a single bat roost site and not a maternity colony.

A complete report of the survey was compiled including mapping of netting locations, site photographs, captured bat statistics, and fully completed field dataforms. The report was submitted to the USFWS and they concurred with the findings.

INDIANA BAT MIST-NET SURVEYS AT MILITARY TRAINING FACILITIES

US ARMY GSA CONTRACT INDIANA, MISSOURI, AND OHIO

Client
US Army

Key Services Provided

- Indiana Bat Mist Net Surveys
- Radio Telemetry
- Full Report and Coordination

Contact
Marshal Brahman
612-713-3470

Project Duration
June – September 2011

Total Project Cost
\$53,000

ES Key Staff
Jamie Willaman



EnviroScience, Inc. biologists conducted Indiana Bat mist-net surveys at four US Army training facilities in accordance with the USFWS Recovery Protocol for the Endangered Indiana Bat (*Myotis sodalis*). Acreage and available potential summer habitat for the species varied widely among the facilities. Coordination with the USFWS Regions 3 and 4 was conducted, via study scope preparation and approval, to determine the level of effort required at each facility. EnviroScience biologists scouted and selected all netting sites according to the parameters most likely to capture foraging or emerging Indiana Bats. A variety of net heights (single, double, and triple- high) and a variety of net widths (4, 5, 6, 9, 12, and 18 meter) were utilized throughout the four facilities. All captured bats were identified to species, weighed, photographed, measured for forearm length, and had their sex, age, reproductive condition, and wing condition evaluated. Photographs, GPS coordinates, site drawings, and weather conditions were documented for each net night.

A total of 4 net nights were completed on each of the Monclova and Fort Ben Harrison facilities, due to their very low size and availability of potential habitat. No captures were made at Monclova and only one Eastern Red Bat (*Lasiurus borealis*) was captured at Fort Ben. A total 16 net nights were completed at the Kingsbury facility, resulting in the capture of 24 Eastern Red bats and 6 Big Brown bats (*Eptesicus fuscus*). A total of 56 net nights were completed at the Weldon Springs facility resulting in the capture of 215 bats from 7 species, including 123 Eastern Red, 6 Big Brown, 44 Northern Myotis (*Myotis septentrionalis*), 6 Evening (*Nycticeius humeralis*), 13 Tri-color (*Perimyotis subflavus*), 5 Little Brown (*Myotis lucifugus*), and 15 Indiana Bats. Three reproductive adult female Indiana Bats were fitted with Holohil radio transmitters (band width 172) and radio tracked for five days using two Wildlife Management receivers and triple element Yagi antennae. A report of all data, captures, and documentation was completed.

APPENDIX II

Proposed Costing

EXHIBIT A
CRFQ ADJ1600000020

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO CONDUCT CRITICAL FAUNA SURVEY AND ENDANGERED SPECIES MANAGEMENT PLAN FOR THE INDIANA BAT AND NORTHERN LONG-EARED BAT, ON CAMP DAWSON ARMY TRAINING SITE AT KINGWOOD, WV

BID FORM

The undersigned, hereafter called the Bidder, being familiar with and understanding the bidding documents; and being familiar with the required qualifications and the mandatory requirements of the Project with regards to the deliverables and associated timelines, hereby proposes to furnish labor, material, equipment, supplies, and transportation to perform the work as described in the bidding documents

BIDDERS COMPANY NAME: EnviroScience Inc.

VENDOR ADDRESS: 5070 Stow Road
Stow, Ohio 44224

TELEPHONE: (330) 688-0111

FAX NUMBER: (330) 688-3858

E-MAIL ADDRESS: mhilovsky@enviroscienceinc.com

CONTRACT TOTAL BID:

Fifty-four thousand —

(\$ 54,000.00) *** (Contract bid to be written in words and numbers.)

The contract will be awarded to the Bidder with the lowest contract total bid meeting all of the specifications. Bidder understands that to the extent allowed by the West Virginia Code, the OWNER reserves the right to waive any informality or irregularity in any bid, or bids, and to reject any and all bids in whole or in part; to reject a bid not accompanied by the required bid security or by other data required by the bidding documents; to reject any conditions of the bid by the Bidder that is any way inconsistent with the requirements, terms, and conditions of the bidding documents; or to reject a bid that is in any way incomplete or irregular.

Failure to use this bid form may result in bid disqualification.

SIGNATURE:  DATE: 4/18/2016

NAME: Martina Hilsbosch
(Please Print)

TITLE: CEO

APPENDIX III

Signed and Legal Documentation

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ ADJ1600000020

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 checked="" 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.

EnviroSource Inc
Company

[Signature]
Authorized Signature

4/18/2016
Date

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

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation 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 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 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.

EnviroScience, Inc.
(Company)

Arthur G. Plouffe, CEO
(Authorized Signature) (Representative Name, Title)

330-688-0111
(Phone Number) (Fax Number) (Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: EnviroScience, Inc

Authorized Signature: [Signature], CEO Date: 4/18/2016

State of Ohio

County of Summit, to-wit:

Taken, subscribed, and sworn to before me this 18 day of April, 2016.

My Commission expires 5/30, 2018.

AFFIX SEAL HERE



Rebecca R. Pedone
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 05/30/2018

NOTARY PUBLIC Rebecca R. Pedone

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code, §5A-3-37**. (Does not apply to construction contracts). **West Virginia Code, §5A-3-37**, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% vendor preference for the reason checked:

Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% vendor preference for the reason checked:

Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% vendor preference for the reason checked:

Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: EnvivoScience, Inc.

Signed: [Signature]

Date: 4/18/2016

Title: CEO



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/18/2016

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 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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 1010 SeibertKeck Insurance Agency 2950 W. Market Street Akron, OH 44333	CONTACT NAME: Jill Lucey PHONE (A/C, No, Ext): (330) 867-1049 E-MAIL ADDRESS: jlucey@seibertkeck.com	FAX (A/C, No):	
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED EnviroScience, Inc. Scientific Equipment LLC 5070 Stow Road Stow, OH 44224	INSURER A : Greenwich Insurance Co.		22322
	INSURER B : XL Specialty Insurance Company		37885
	INSURER C :		
	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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			GEC300905	07/30/2015	07/30/2016	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
								\$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS			AEC0046349	07/30/2015	07/30/2016	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			UEC0046347	07/30/2015	07/30/2016	EACH OCCURRENCE	\$ 6,000,000
							AGGREGATE	\$ 6,000,000
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y / N N / A	WEC3000906	07/30/2015	07/30/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
A	Professional &			GEC300905	07/30/2015	07/30/2016	Limit	7,000,000
A	Pollution Liabilit			GEC300905	07/30/2015	07/30/2016	Deduct	10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Department of Administration, Purchasing Division
 2019 Washington Street East
 Charleston, WV 25302-0130

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

Christie Kleintop



CERTIFICATE OF LIABILITY INSURANCE

ENVIINC-01 CKLEINTOP

DATE (MM/DD/YYYY)

4/18/2016

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 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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER License # 1010 SeibertKeck Insurance Agency 2950 W. Market Street Akron, OH 44333	CONTACT NAME: Jill Lucey
	PHONE (A/C, No, Ext): (330) 867-1049
	FAX (A/C, No):
	E-MAIL ADDRESS: jlucey@seibertkeck.com
	INSURER(S) AFFORDING COVERAGE
	INSURER A : Greenwich Insurance Co.
	INSURER B : XL Specialty Insurance Company
	INSURER C :
	INSURER D :
	INSURER E :
	INSURER F :
INSURED EnviroScience, Inc. Scientific Equipment LLC 5070 Stow Road Stow, OH 44224	NAIC # 22322 37885

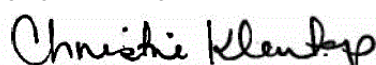
COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			GEC300905	07/30/2015	07/30/2016	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 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS			AEC0046349	07/30/2015	07/30/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			UEC0046347	07/30/2015	07/30/2016	EACH OCCURRENCE \$ 6,000,000 AGGREGATE \$ 6,000,000 \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y / N N / A	WEC3000906	07/30/2015	07/30/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional &			GEC300905	07/30/2015	07/30/2016	Limit 7,000,000
A	Pollution Liabilit			GEC300905	07/30/2015	07/30/2016	Deduct 10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

Department of Administration, Purchasing Division 2019 Washington Street East Charleston, WV 25302-0130	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 

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ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ ADJ1600000020

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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 checked="" 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.

EnviroSource, Inc
Company

[Signature]
Authorized Signature

4/18/2016
Date

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

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation 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 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 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.

EnviroScience, Inc.
(Company)

Arthur G. Plouffe, CEO
(Authorized Signature) (Representative Name, Title)

330-688-0111
(Phone Number) (Fax Number) (Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: EnvirosScience, Inc

Authorized Signature: [Signature], CEO Date: 4/18/2016

State of Ohio

County of Summit, to-wit:

Taken, subscribed, and sworn to before me this 18 day of April, 2016.

My Commission expires 5/30, 2018.

AFFIX SEAL HERE



Rebecca R. Pedone
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 05/30/2018

NOTARY PUBLIC Rebecca R. Pedone

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with **West Virginia Code, §5A-3-37**. (Does not apply to construction contracts). **West Virginia Code, §5A-3-37**, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
- Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
- Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

- Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: EnvivoScience, Inc.

Signed: [Signature]

Date: 4/18/2016

Title: CEO