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Header @ 1

List View

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

Procurement Folder: 877103

Procurement Type: Central Master Agreement

Vendor ID: VS0000021856

Legal Name: Big Pine Consultants LLC

Alias/DBA:

Total Bid: \$116,230.00

Response Date: 07/06/2021

Response Time: 11:33

Responded By User ID: BigPineConsult

First Name: Justin

Last Name: Johnston

Email: justin.johnston@bigpinec

Phone: 231-282-2192

SO Doc Code: CRFQ

SO Dept: 0313

SO Doc ID: DEP2100000037

Published Date: 6/16/21

Close Date: 7/6/21

Close Time: 13:30

Status: Closed

Solicitation Description: LCAP GROUNDWATER MONITORING

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
Solicitation Response**

**Proc Folder:** 877103  
**Solicitation Description:** LCAP GROUNDWATER MONITORING  
**Proc Type:** Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-07-06 13:30	SR 0313 ESR0706210000000051	1

**VENDOR**  
VS0000021856  
Big Pine Consultants LLC

**Solicitation Number:** CRFQ 0313 DEP2100000037  
**Total Bid:** 116230      **Response Date:** 2021-07-06      **Response Time:** 11:33:21  
**Comments:** No discounts are available at the rates proposed.

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

Vendor Signature X	FEIN#	DATE
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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	Field Services - East Region Landfill	102.00000	EA	165.000000	16830.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory from 46 monitoring wells located at the East Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Field Services - North Region Landfill	88.00000	EA	175.000000	15400.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport to laboratory for analysis from 40 monitoring wells located at the North Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Field Services - South Region Landfill	80.00000	EA	246.000000	19680.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory for analysis from 36 monitoring wells located at the South Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Field Services - West Region Landfill	66.00000	EA	320.000000	21120.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory for analysis from 30 monitoring wells located at the West Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Statistical Analysis Setup	30.00000	EA	480.000000	14400.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Once per year, all labor, equipment, materials, transportation and incidentals to collect, compile and construct data base for statistical evaluations of information obtained in field services and laboratory analysis.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Statistical Analysis and Reporting	60.00000	EA	480.000000	28800.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Commodity Line Comments:**

**Extended Description:**

Twice per year, all labor (including clerical), printing, binding, copying, shipping, etc., and incidentals to evaluate data and report findings to WVDEP.



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July 6, 2021

Mr. Joseph E. Hager, III  
West Virginia Department of Environmental Protection  
Landfill Closure Assistance Program  
2019 Washington St, East  
Charleston WV, 25305-0130

### **Proposal**

**LCAP Groundwater Monitoring  
Solicitation No. CRFQ 0313 DEP2100000037**

Dear Mr. Hager,

Big Pine Consultants LLC (Big Pine) offers this proposal to the West Virginia Department of Environmental Protection (WVDEP) for LCAP Groundwater Monitoring (Project) at the landfills shown in Figure 1. According to the solicitation, the landfills are located in four different regions, north (88 samples), south (80 samples), east (102 samples) and west (66 samples) and samples must be collected twice annually. A database is to be created for the purposes of statistical analyses and two semi-annual reports are to be written.

### **Scope of Work**

Big Pine proposes to complete the scope of work required by the solicitation according to the following tasks:

1. Field Services
2. Statistical Analysis Setup
3. Semi-Annual Report

These tasks are described briefly below.

#### **Task 1: Field Services**

Twice per year Big Pine will provide all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory from monitoring wells located at landfills within each of the four regions, as shown on Figure 1. The number of samples will include 10% duplicates. A breakdown of the total number of samples is as follows:

1. East Region – 46 wells, sampled twice per year, with 10% duplicates for a total of 102 samples
2. North Region – 40 wells, sampled twice per year, with 10% duplicates for a total of 88 samples
3. South Region – 36 wells, sampled twice per year, with 10% duplicates for a total of 80 samples
4. West Region – 30 wells, sampled twice per year, with 10% duplicates for a total of 66 samples

Therefore, the total number of samples is 368. Based on the table provided in the solicitation, Big Pine understands that all of the wells are 2-inch diameter and the majority of the wells (all but 4) are under 300 feet in depth. The solicitation indicates that samples are to be collected using low flow purging method or using hand-bailers. The preference appears to be to use low flow purging first and bailers as a backup



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method if low flow purging does not stabilize for field parameters (temperature, pH, and specific conductance). In such a circumstance, the wells will be purged “dry” and allowed to recharge before collecting a sample.

Big Pine anticipates that all of the wells under 300 feet in depth can be sampled using a 2" Grundfos Pump setup. The four deep wells (over 300-feet) will likely require sampling using a bladder pump setup. There are pros and cons to each sampling method. One particular downside is the cost of using two different systems to sample. Big Pine assumes that the bladder pump will only be required for one sampling event at the South Charleston landfill and that the Grundfos setup will be used for all other sampling. Hand bailers will be used as a backup method in the event that the either low flow setup fails during a sampling event.

During each sampling event, Big Pine will use a YSI, Oakton - PC450, or similar unit to measure temperature, pH, and specific conductance of each sample.

All equipment will be calibrated according to the manufacturers recommendations prior to each sampling event and the calibration will be recorded on a data form. Sampling equipment will be properly decontaminated before and after sampling. A separate area will be designated for decontaminating the sampling equipment and storing investigative derived waste (IDW). The water used for decontaminating equipment will be containerized before disposal (typically in 30 gallon or 55 gallon drums); the IDW will be stored in the same container as the purge water. The costs associated with decontaminating field equipment and disposal of IDW are included in the unit cost for field sampling. Based on the well volumes, Big Pine assumes that no more than 2,000 gallons of IDW will be collected and need to be disposed.

Big Pine proposes to transport the samples to TestAmerica-Pittsburgh, located at 301 Alpha Drive, Pittsburgh, PA 15238. This laboratory is listed as WVDEP certified laboratory #142 (<https://dep.wv.gov/WWE/Programs/lab/Documents/2021/Commercial%20labs%20Official%20list%20as%20of%2020210602.pdf>). Big Pine understands that the cost of analysis will be paid for separately and is therefore not included in the per sample cost in this proposal. Big Pine anticipates that some samples may need to be transferred to the laboratory via courier because of holding time restrictions for some parameters (mainly BOD with a holding time of 48 hours). Anticipated courier fees are included in the per sample costs for the South Region and West Region samples. Samples collected from the North Region and East Region will be delivered by Big Pine staff directly to the lab. Chain of custody forms will be completed as required for the samples. Big Pine will prepare a sample blank using de-ionized water for each trip as well.

If awarded the work, Big Pine will complete any necessary training for sampling staff, including OSHA 40-hour training and sampling training and submit certifications to WVDEP. In addition, Big Pine will prepare and submit to WVDEP Standard Operating Procedures (SOPs) for Monitoring Well Purging, Groundwater Sampling Procedures, Dcontaminating Sampling Equipment, Sample Handling/Shipping and Chain of Custody Procedures.

There will be no more than 120 days between sampling events at each landfill.

## Task 2: Statistical Analysis Setup

Big Pine will develop and submit reports for groundwater monitoring events in accordance with 33CSR1 Section 4.11 within 60 days of each sampling event. The reports will include test results and will be submitted to the Project Manager at WVDEP, Division of Water and Waste Management, and the Permittee of the Landfill. MDL's (method detection limits) and PQL's (practical quantitation



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limit) will both be described in the report. Big Pine assumes that these will be provided by TestAmerica based on past experience. Reports will be in PDF format unless otherwise requested by WVDEP.

The unit price for this task is a per landfill price to prepare a database for the purposes of statistical analyses. Big Pine anticipates this will be an MS Excel based database for each landfill. Big Pine will populate the database with the information collected in the field and run the required analyses including parametric ANOVA with multiple comparisons. Big Pine makes no representations as to the appropriateness of the required statistical analyses and will run them regardless of whether the data meets the assumptions of the test (for instance, if the data is not normally distributed, a non-parametric equivalent may be a better fit). If performing additional statistical analyses for landfills are required, Big Pine will conduct the additional analyses as a separate scope of work. Big Pine understands that there are 30 different landfills and therefore, 30 excel databases are anticipated to be prepared.

### Task 3: Semi-Annual Reporting

Big Pine will prepare a report for each landfill semi-annually. Big Pine understands that there are 30 different landfills and therefore, 60 semi-annual reports will be prepared. Reports will be provided in PDF format and generally will include Introduction, Methods, Results, and Conclusion sections. Chain-of-Custody forms and excel database information will be added as attachments. A figure will be included depicting the location of the landfill and sampling wells. Raw laboratory data will be included as an appendix to each report.

### Personnel Expertise and Experience

Big Pine staff that will complete this project include Ms. Jaime Johnson, PG, Senior Lead Geologist and Mr. Justin C. Johnston, MS, MBA, President and Project Manager. Big Pine will also provide a technician to assist in the collection of samples. Big Pine resumes are included in Attachment 1.

**Ms. Jaime Johnson, PG, will be technical leader on the project.** Ms. Johnson has an MS in Geology from Eastern Kentucky University and has over 20 years of experience completing similar investigations, compliance activities, environmental permitting, and other environmental studies for various projects. She has worked in numerous areas of West Virginia, Pennsylvania and Ohio.

**As the owner of Big Pine, Mr. Justin C. Johnston, MS, MBA will manage staffing, logistical planning, prepare GIS mapping, and assist with reporting.** Mr. Johnston has an MS degree in biology from Central Michigan University and an MBA from Point Park University. Mr. Johnston has over 20 years of experience completing environmental studies and permitting on various projects in Pennsylvania, West Virginia, New York, Ohio, Virginia and Maryland. Mr. Johnston is knowledgeable on statistical analyses and will assist in the database preparation.

### Cost

Big Pine will complete the work described herein for the costs summarized in Table 1 and included on the respective Centralized Request for Quote sheets (Attachment 2).





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**Table 1. Cost for Services, LCAP Groundwater Monitoring**

Item	Quantity	Rate	Total
Field Services - East Region Landfill	102	\$ 165.00	\$ 16,830.00
Field Services - North Region Landfill	88	\$ 175.00	\$ 15,400.00
Field Services - South Region Landfill	80	\$ 246.00	\$ 19,680.00
Field Services - West Region Landfill	66	\$ 320.00	\$ 21,120.00
Statistical Analysis Setup	30	\$ 480.00	\$ 14,400.00
Statistical Analysis and Reporting	60	\$ 480.00	\$ 28,800.00
<b>TOTAL</b>			<b>\$ 116,230.00</b>

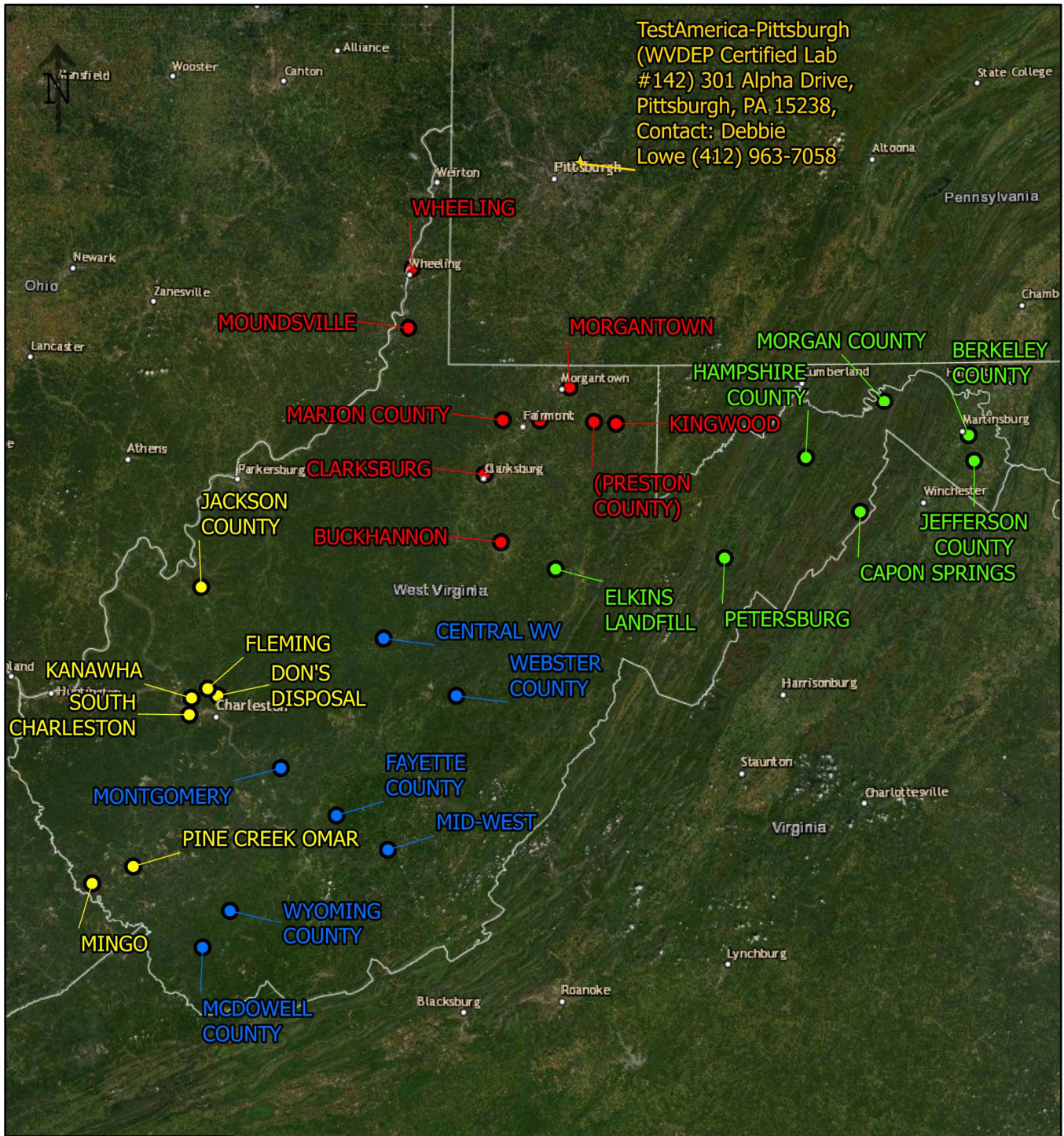
If you would like to meet to discuss our capabilities further or if you have any questions, please feel free to reach out to me at [justin.johnston@bigpineconsultants.com](mailto:justin.johnston@bigpineconsultants.com) (cell: 231-282-2192) or Jaime Johnson at [JJohnson@bigpineconsultants.com](mailto:JJohnson@bigpineconsultants.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "Justin Johnston", is written over a light blue horizontal line.

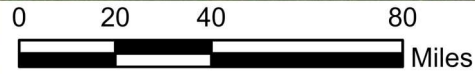
Justin C. Johnston, MS, MBA  
President  
Big Pine Consultants LLC

Attachments: Attachment 1 – Resumes of Key Staff



TestAmerica-Pittsburgh  
 (WVDEP Certified Lab  
 #142) 301 Alpha Drive,  
 Pittsburgh, PA 15238,  
 Contact: Debbie  
 Lowe (412) 963-7058

Esri, HERE, Garmin, Earthstar  
 Geographics



**Legend**

- ★ TestAmerica Laboratory

**Landfills**

**Region**

- East
- North
- South
- West

**BIG PINE CONSULTANTS LLC**

**Landfill Location Map**  
**West Virginia Department of Environmental Protection**  
**LCAP Groundwater Monitoring**  
 West Virginia

DWN: JCJ	Date: 7/6/2021	1"=40 mi
Rev: 0	<b>Figure 1</b>	

Spatial Reference: NAD 1983 2011 StatePlane West Virginia North FIPS 4701 FtUS; Projection: Lambert Conformal Conic; Units: Foot US



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## Attachment 1 – Resumes of Key Staff





Jaime Johnson, P.G.

Geologist

### Education

M.S. Geology 2004, Eastern Kentucky University

B.S. Environmental Resources 1998, California University of Pennsylvania

Belmont Soil and Water Conservation District, Streambank Stabilization and Riparian Enhancement, June 2015

OSHA 30-hour Training for the Construction Industry, July 2020

DOT Security Awareness Training, 49 CFR 172.704(a)(4), September 2009

IATA Dangerous Goods Transportation/IATA Training Regulations, September 2009

DOT Hazardous Materials Transportation 49 CFR 172.704, September 2009

OSHA 29 CFR 1910.120 8-Hour Supervisor/Management Course, December 2004

OSHA 29 CFR 1910.120 40-Hour Hazardous Site Worker Course, September 2004 (annual refreshers)

### Registrations

Licensed Professional Geologist, Commonwealth of Pennsylvania, November 2007

### Professional Employment

Big Pine Consultants LLC  
Geologist, July 2021-present

Duchess Management, Inc.  
Manager – Regulatory Compliance & HSE,  
March 2020-April 2021

EdgeMarc Energy, LLC  
Asset Development Coordinator, September 2018-March 2020

Rice Energy, Inc.  
Midstream Permitting Coordinator, May 2014-November 2017

Langan Engineering & Environmental, Senior Project Geologist, April 2013-May 2014

RETTEW, Senior Project Manager, November 2011-April 2013

AMEC Earth & Environmental, Senior Project Manager, October 2006- November 2011

### Summary

Ms. Johnson is a professional geologist with a Masters in Geology with over 20 years of experience in project management, permitting and compliance, environmental site assessments, water quality sampling, landslide mitigation, and environmental health and safety. Ms. Johnson is also proficient in Clean Water Act section 401 and 404, stray gas investigation and mitigation, site characterization.

### Selected Project Experience

#### ***2010-2011 – Confidential Client – Pre-Drill Sampling Program, WV and PA***

Ms. Johnson managed [Confidential Client]’s natural gas pre-drill sampling and stray gas mitigation program. This program consisted of sampling private water sources (springs/water wells) for over 1,000 locations in West Virginia and Pennsylvania. As part of this program, methane gas samples were collected from water sources as well as natural gas well heads for comparison. Stray gas was an issue in northeastern Pennsylvania and this program was initiated to track sources of stray gas, identify chemical composition, and mitigate stray gas in private water sources.

#### ***2008 – WVDEP – Elite Glass Brownfields, Cameron, WV***

Ms. Johnson was the geologist for the WVDEP investigation of the Elite Glass Brownfields site in Marshall County, WV. This investigation consisted of a Phase I and Phase II environmental assessment, which included extensive soil and groundwater sampling.

#### ***2008 – WVDEP – Webster Springs Railroad Depot Voluntary Remediation Program, Webster Springs, WV***

Ms. Johnson was the geologist for the WVDEP investigation of the former railroad depot in Webster Springs, WV. The railroad depot was formerly owned by the Western Maryland Railroad and served as a freight and passenger depot. Other site operations included a sawmill and truck scale. Extensive sampling was conducted to delineate impacted soil and groundwater at the site, including hazardous materials removal.

***2004-2006 Various Underground Storage Tank Projects***

Ms. Johnson managed the site characterization, soil and groundwater remediation, and environmental monitoring for approximately 40 Sunoco and Exxon gasoline/diesel stations in Pennsylvania and New Jersey. These projects included the removal of underground storage tanks, remediation of impacted soil and groundwater, and quarterly monitoring of groundwater and contaminant migration.

***199-2002 – Graduate Teaching Assistant, Eastern Kentucky University***

Mr. Johnston taught Geology 101 laboratory courses for undergraduates at Eastern Kentucky University during the fall and spring semesters. Ms. Johnson conducted thesis research on natural gas deposits found in turbidite sequences in the Farmers Member of the Borden Formation located in eastern Kentucky. This work was supported by Equitable Production Company (now EQT) who provided geologic logs and core samples for research.



Justin C. Johnston, MS, MBA

President

### Education

M.B.A. Business Management 2015, Point Park University  
M.S. Biology 2004, Central Michigan University  
B.S. Biology 2000, Central Michigan University  
Wetland Training Institute, Grasses Sedges and Rushes, Instructed by Wesley Knapp, July, 2019  
Ohio EPA, Wetland Biocriteria Training  
Larval Fish Identification Course, Stone Laboratory, The Ohio State University  
Richard Chinn Environmental Training, U.S. Army Corps of Engineers, Wetland Delineation and Management Training

### Registrations

MD Qualified Professional (Forest Conservation)  
MD Erosion & Sediment Control Certification, Responsible Personnel (Green Card) No. RPC022739  
MD State Highway Administration Erosion and Sediment Control Certification (Yellow Card) No. 25647203  
USFWS PA Field Office, Northeastern Bulrush (*Scirpus ancistrochaetus*) surveyor  
Private Pilot, 2798698, USA Department of Transportation, FAA  
Remote Pilot Certificate, USA Department of Transportation, FAA  
SCUBA, 205634, SCUBA Schools Int'l.  
HAZMAT 1205, 42965, ABAG Training Ctr.  
First Aid/Adult CPR/AED, 653999

### Professional Employment

Big Pine Consultants LLC  
President May 2018-present  
GAI Consultants, Inc.  
Environmental Manager, November 2007-May 2018  
AMEC Earth & Environmental  
Biologist, March 2005-November 2007  
Michigan Water Research Center, Central Michigan University  
Graduate Research Assistant and Teaching Assistant, August 2001-December 2004

### Summary

Mr. Johnston is an aquatic ecologist with a Masters in Biology and a second Masters in Business Management, who is experienced in project management, routing, planning, permitting, associated studies, and compliance for major infrastructure projects. Mr. Johnston is also proficient in water quality analyses, aquatic algae surveys, aquatic macroinvertebrate surveys, zooplankton surveys, larval fish surveys, Clean Water Act Section 316(b) impingement and entrainment studies, economic analyses of fish losses, and wetland and stream delineations.

### Selected Project Experience

#### ***2014-Present – Washington Gas Light Company - Prince George's County and District of Columbia Reliability and Reinforcement Project (PGDCRRP)***

Mr. Johnston was the Project Manager for the 16-mile long 24-inch diameter steel natural gas transmission pipeline for Washington Gas Light Company. Mr. Johnston was responsible for desktop and field routing studies, landowner contacts and easement acquisition, environmental studies including wetland and stream delineations and forest stand delineations, environmental and roadway permitting, public outreach efforts, coordination and meetings with various government agencies and officials, civil survey activities, and other duties. Mr. Johnston managed the scope, schedule, and budget while keeping the client informed of progress during bi-weekly conference calls and email updates.

#### ***2011-2013 - M3 Midstream (Momentum) – Appalachia Gathering System***

Mr. Johnston managed the environmental studies and permitting for the Appalachia Gathering System for M3 Appalachia Gathering (Momentum). The system included over 130 miles of natural gas gathering trunk lines and laterals spanning multiple counties in Northern WV and Southwestern PA. Permitting included several pre-construction notifications to the U.S. Army Corps of Engineers (USACE) for trunk lines and laterals in WV; numerous general permits and PASPGP-4 coordination for various trunk lines and laterals in PA; air permitting for one of two compressor stations, erosion and sedimentation control plan development in WV and permitting in PA (ESCGP-1); agency consultations and coordination of numerous studies for rare, threatened and endangered (RTE) species including the Indiana bat (*Myotis sodalis*), freshwater mussels, and many plant species;

cultural resources surveys to satisfy USACE requirements; highway occupancy and equipment access permitting; pipeline civil surveys, stakeout, and as-built; hydrostatic testwater discharge permitting; Stream Activity License and Right-of-Entry approvals in WV; Submerged Land License Agreement in PA; coordination with municipalities regarding site design for aboveground facilities; and various other coordination and approvals as required to obtain the necessary permits and approvals for construction of the numerous projects associated with the system.

### ***2011-2013 CNX Morris to Majorsville Project***

Managed the permitting for the CNX Gas – Morris to Majorsville Pipeline Project in Greene County, PA. The project included 11 miles of pipeline traversing the Bailey Mine complex (a known Indiana bat hibernaculum and maternity site) and extending into West Virginia to the Majorsville Compressor Station. The permitting included a PCN to the USACE for the WV portion of the project, a general permit and PASPGP-4 category III review for stream and wetland crossings in PA, ESCGP-1 preparation for the portion in PA, on-site ESCP for the portion in WV; Stream Activity License and Right-of-Entry; coordination with USFWS and PADCNR regarding rare, threatened and endangered species; coordination and studies regarding cultural resources including consultations with PHMC and WVDCH.

### ***2011-2013 CNX – Various Small Projects***

Managed permitting for numerous small gas and waterline Projects for CNX Gas in PA and WV including Ninevah water line; CRDA3 water line; Web 4 pipeline; Majorsville Station Pipeline; MC22 to MC21 Pipeline; and SHL8 Well Connect.

### ***2011-2012 Dominion TL-571 Replacement Project***

Managed environmental, survey, and environmental monitoring tasks for the replacement of approximately 6 miles of natural gas transmission pipeline for the Dominion Transmission Inc., TL-571 Replacement Project in Lewis County, WV. Coordinated rare, threatened, and endangered species consultation. Coordinated Phase I Archaeological investigations and consultation with the West Virginia Division of Culture and History (WVDCH). Coordinated wetland and waterbody delineations and confirmed coverage under Nationwide Permit-12 (non-reporting).

### ***2010-2011 Dominion Transmission, Inc. – Gathering Expansion Projects***

Managed environmental, survey, and environmental monitoring tasks for Dominion Transmission Inc.'s, Gathering Expansion Projects in WV and OH. The Projects were a collection of many smaller pipeline projects totaling approximately 32 miles, as well as compression and treatment facilities projects. Projects included: the Carlisle Extraction Project; Lightburn Facility Project; Hastings Fractionation Modifications Project; Davis Station Project; TL-404 Replacement Project (approximately 14 miles of replacement); Oscar Nelson POD Project (three pipelines totaling approximately six miles of new pipeline); Weston West POD Project (replacement of approximately 3.5 miles of pipeline); Bridgeport POD Project (replacement of approximately 2.5 miles of pipeline); the Deep Valley POD Project (approximately six miles of pipeline replacement); and the Spruce Run Station Project (new compressor station). The Projects were distributed in multiple counties in WV and OH, including: Lewis, Ritchie, Harrison, Barbour, Wyoming, Marshall, Wetzel, and McDowell Counties, in WV, and Noble and Monroe Counties, in OH. For these Projects, Mr. Johnston coordinated RTE species consultation, Phase I Environmental Site Assessments, Phase I Archaeological investigations and consultation with the WVDCH, wetland and waterbody delineations, Site Registration (NPDES) applications, RTE mussel survey, and confirmed coverage under Nationwide Permit-12 under non-reporting in most cases and for some Projects by preparing a pre-construction notification (PCN).

### ***2011 Dominion – Oakford Drip Replacement***

Managed environmental permitting for the Dominion Transmission, Inc., Oakford Drip Replacement Project at the Oakford Compressor Station.

### ***2010-2011 Duke Energy – Gallagher Pipeline Project***

Served as the FERC environmental advisor for the Duke Energy, Gallagher Pipeline Project. The Project consisted of approximately 19 miles of 20-inch diameter natural gas transmission pipeline in Floyd and Harrison Counties, Indiana and Jefferson County, Kentucky to provide natural gas to fuel a power plant. As the advisor, Mr. Johnston consulted with the Environmental Project Manager to provide guidance on the FERC processes and procedures and reviewed documents for consistency to meet FERC requirements.

### ***2009-2011 Superior Appalachian Pipeline, LLC – Snowshoe Pipeline Project and extensions***

Managed environmental and routing tasks for approximately 29 miles of new natural gas gathering pipeline for the Superior Appalachian Pipeline, LLC, Snow Shoe Pipeline Project in Centre and Clearfield Counties, PA. Coordinated RTE species consultation and investigations for the Allegheny woodrat (*Neotoma magister*), Northeastern bulrush (*Scirpus ancistrochaetus*), timber rattlesnake (*Crotalus horridus*), and the Indiana bat (*Myotis sodalis*). Prepared Act 14, 67, 68, and 127 notification letters. Coordinated Phase I Archaeological investigations and consultation with the PHMC. Coordinated wetland and waterbody delineations and subsequent Chapter 105 and ESCGP-1 permitting. Coordinated with the PA Game Commission (PGC) regarding right-of-way on state game lands property. Negotiated right-of-way alignment with the district forester and coordinated studies including an invasive plant surveys and avoidance of a known blue heron rookery. Prepared the State Forest Environmental Review (SFER) documentation in order to obtain right-of-way in Sproul State Forest.

### ***2009-2010 Dominion – Appalachian Gateway Project***

Coordinated preparation of draft Resource Reports 1 and 10 to support the FERC pre-filing process for the Dominion Transmission, Inc. Appalachian Gateway Project. Coordinated preparation of Resource Report 9 for the certificate proceedings (CP) filing for the Project. Served as a reviewer for the overall CP filing for the Project.

### ***2010 – Equitrans– Rogersville Compressor Station Project***

Mr. Johnston drafted the FERC Environmental Report (Exhibit F-1) for the Equitrans, L.P. Rogersville Compressor Station Abandonment Project in Greene County, PA. The project involved the abandonment of multiple facilities at the station to cease compression from the facility while maintaining dehydration and other services. Completed consultation with federal and state agencies regarding RTE species and cultural resources concerns. Conducted a wetland delineation and coordinated a Phase I cultural resources review for the site.

### ***2009-2010 Dominion Transmission Inc. - Hub II Project***

Completed the FERC Environmental Report (Exhibit F-1) for the Dominion Transmission, Inc., Hub II Project, at the Borger Compressor Station in Tompkins County, New York. The project involved addition of a new turbine to increase horsepower and decrease emissions from the station. Completed consultation with federal, state, and tribal entities regarding rare, threatened and endangered species and cultural resources concerns. Coordinated wetland delineation and Phase I cultural resources review for the site. Coordinated Title V Air Permit Modification for the compressor station. Coordinated contour data collection and mapping. Coordinated New York State Department of Environmental Conservation NOI for Stormwater Discharges Associated with Construction Activity including Stormwater Pollution Prevention Plan preparation.

### ***2009 Equitable Resources, Inc. - Logansport Well Plug and Abandonments***

Wetland delineations and environmental reviews of various wells and proposed well sites. Prepared Federal Energy Regulatory Commission (FERC) Prior Notice abbreviated environmental reports for the Logansport Well Plug and Abandonment Project and the Logansport Well Installation Project in West Virginia for Equitable Resources, Inc.

### ***2008-2009 T.W. Phillips (now Peoples TWP) – Bionol Clearfield Pipeline Project***

Mr. Johnston drafted the FERC Environmental Report (Exhibit F-1) for the 8-mile long transmission pipeline to fuel a new ethanol production facility in Clearfield, PA. Mr. Johnston also prepared materials and coordinated



open house meetings for the Project, completed environmental studies and permitting including consultations regarding rare, threatened, and endangered species, and historic properties. This was the first and only interstate transmission project that T.W. Phillips had undertaken.

***2005-2007 – Lead Biologist for Clean Water Act Section 316(b) Studies***

Mr. Johnston completed impingement and entrainment studies of fish at four FirstEnergy power plants along the Ohio River and Lake Erie. Collected and identified adult fish from the cooling water intake screens and completed estimates of economic value for use in determining appropriate technologies to reduce impingement of adult fish. Utilized a pump-net-in-water technique to sample for larval fish and eggs that were preserved in ethanol and later identified to the lowest practicable taxonomic unit (LPTU). Incorporated the entrainment of larval fish and eggs into the economic loss models for impingement.

***2006-2007 – Biologist for Gamesa Shaffer Mountain Wind Farm Project in Somerset and Bedford Counties, PA***

Mr. Johnston participated in wetland delineations, reviews for rare, threatened and endangered plants, and migrating Raptor Surveys for the proposed Shaffer Mountain Windfarm Project.

***2001-2004 – Graduate Research Assistant / Teaching Assistant at Central Michigan University***

Mr. Johnston taught Biology 101 laboratory courses and Genetics laboratory courses for undergraduates at Central Michigan University during the fall and spring semesters. Mr. Johnston conducted thesis research on larval yellow perch (*Perca flavescens*) during the summer and participated in a larger great lakes yellow perch research project being led by his graduate advisor, Dr. A. Scott McNaught. Mr. Johnston completed laboratory identification, enumeration and biovolume calculations for aquatic phytoplankton samples collected from Platt Lake in Michigan's northwestern lower peninsula. Mr. Johnston participated in aquatic sampling in Crystal Lake in Benzie County, Michigan including fish sampling, aquatic vascular plant bed mapping, water chemistry sampling, and *Cladophora sp.* 'walks' to identify locations where the algae was growing and collect water chemistry samples to identify areas where nutrients may be entering the lake.

***1998-1999 – Undergraduate Research Assistant***

Mr. Johnston worked as an undergraduate assistant on a project with Mr. Brian Gunderman, who was completing his MS thesis project on Lake Sturgeon (*Acipenser fulvescens*) in the Manistee River, Manistee County, Michigan. Work included using gill nets to capture lake sturgeon. Captured lake sturgeon were tagged with PIT tags, floy tags, and in some cases fitted with sonic transmitters which were used to locate sturgeon on a daily basis to document movements within Manistee Lake and Manistee River. Genetic samples were collected and sent to Michigan State University to determine population genetic diversity.



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## Attachment 2 – Centralized Request for Quote Sheets



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

State of West Virginia  
 Centralized Request for Quote  
 Service - Misc

<b>Proc Folder:</b> 877103			<b>Reason for Modification:</b>
<b>Doc Description:</b> LCAP GROUNDWATER MONITORING			
<b>Proc Type:</b> Central Master Agreement			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2021-06-16	2021-07-06 13:30	CRFQ 0313 DEP2100000037	1

**BID RECEIVING LOCATION**

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

**VENDOR**

**Vendor Customer Code:** #VS0000021856  
**Vendor Name :** Big Pine Consultants LLC  
**Address :**  
**Street :** 1066 Towervue Dr  
**City :** Pittsburgh  
**State :** PA **Country :** USA **Zip :** 15227  
**Principal Contact :** Justin C. Johnston  
**Vendor Contact Phone:** 231-282-2192 **Extension:**

**FOR INFORMATION CONTACT THE BUYER**

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

**Vendor Signature X** **FEIN#** 82-5441344 **DATE** July 6, 2021

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

**ADDITIONAL INFORMATION**

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Department of Environmental Protection to establish an open-end contract for groundwater monitoring at thirty (30) Landfills. The Landfills under this contract are divided into four (4) Regions: East, North, South, and West per the specifications and terms and conditions attached hereto.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Field Services - East Region Landfill	102.00000	EA	165.00	16,830.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory from 46 monitoring wells located at the East Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Field Services - North Region Landfill	88.00000	EA	175.00	15,400.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport to laboratory for analysis from 40 monitoring wells located at the North Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

INVOICE TO			SHIP TO		
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US			ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Field Services - South Region Landfill	80.00000	EA	246.00	19,680.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory for analysis from 36 monitoring wells located at the South Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

INVOICE TO			SHIP TO		
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US			ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Field Services - West Region Landfill	66.00000	EA	320.00	21,120.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Twice per year, all labor, equipment, materials, transportation, and incidentals to gauge, purge, sample, preserve and transport samples to laboratory for analysis from 30 monitoring wells located at the West Region Landfills (See Attachments A, B and C). Quantity includes 10% duplicates.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Statistical Analysis Setup	30.00000	EA	480.00	14,400.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Once per year, all labor, equipment, materials, transportation and incidentals to collect, compile and construct data base for statistical evaluations of information obtained in field services and laboratory analysis.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US		ENVIRONMENTAL PROTECTION LANDFILL CLOSURE ASSISTANCE PROGRAM 601 57TH ST SE CHARLESTON WV US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Statistical Analysis and Reporting	60.00000	EA	480.00	28,800.00

Comm Code	Manufacturer	Specification	Model #
71122800			

**Extended Description:**

Twice per year, all labor (including clerical), printing, binding, copying, shipping, etc., and incidentals to evaluate data and report findings to WVDEP.

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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