



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 1

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1978722

Procurement Type: Central Master Agreement

Vendor ID: 000000102616

Legal Name: KEMRON ENVIRONMENTAL SERVICES INC

Alias/DBA:

Total Bid: \$59,155.20

Response Date: 10/08/2026

Response Time: 13:27

Responded By User ID: twilfong

First Name: Terry

Last Name: Wilfong

Email: twilfong@kemron.com

Phone: 304-755-0999

SO Doc Code: CRFQ

SO Dept: 0313

SO Doc ID: DEP2700000004

Published Date: 10/1/26

Close Date: 10/8/26

Close Time: 13:30

Status: Closed

Solicitation Description: OER-WV Excavator Environmental Advisory Service

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: 1978722
Solicitation Description: OER-WV Excavator Environmental Advisory Service
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2026-10-08 13:30	SR 0313 ESR10082600000003555	1

VENDOR
000000102616
KEMRON ENVIRONMENTAL SERVICES INC

Solicitation Number: CRFQ 0313 DEP2700000004
Total Bid: 59155.1999999999708961695432 **Response Date:** 2026-10-08 **Response Time:** 13:27:54
Comments:

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

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

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	West Virginia Excavator Environmental Advisory Service	1.00000	EA	59155.200000	59155.20

Comm Code	Manufacturer	Specification	Model #
77101700			

Commodity Line Comments:

Extended Description:

Please enter the total bid amount from the Exhibit A Pricing Pager into Commodity Line 1.



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
Info Technology

Proc Folder: 1978722

Doc Description: OER-WV Excavator Environmental Advisory Service

Reason for Modification:

Addendum #1 is issued to extend the bid close date until 10/8/2026 @ 1:30 PM ET.

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2026-09-28	2026-10-08 13:30	CRFQ 0313 DEP2700000004	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000102616

Vendor Name : KEMRON Environmental Services, Inc.

Address : 108 Craddock Way, Suite 5

Street :

City : Poca

State : WV

Country : Putnam/US

Zip : 25159

Principal Contact : Terry L. Wilfong, Jr., LRS

Vendor Contact Phone: 304-755-0999

Extension: 6101

FOR INFORMATION CONTACT THE BUYER

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

Vendor

Signature X *Terry L. Wilfong, Jr., LRS* FEIN# 11-2393978

DATE October 8, 2026

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 West Virginia Department of Environmental Protection. Office of Environmental Remediation (WVDEP/OER) to establish a contract to create and maintain a West Virginia Excavator Environmental Advisory Service and Property Transfer Monitoring Service per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF ENVIRONMENTAL REMEDIATION 601 57TH ST SE CHARLESTON WV US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	West Virginia Excavator Environmental Advisory Service	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
77101700			

Extended Description:
Please enter the total bid amount from the Exhibit A Pricing Pager into Commodity Line 1.

SCHEDULE OF EVENTS		
<u>Line</u>	<u>Event</u>	<u>Event Date</u>

SOLICITATION NUMBER: CRFQ 0313 DEP2700000004

Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☐ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☐ Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To extend the bid close date until 10/08/2026 @ 1:30 PM ET to allow the agency additional time to complete their responses to all vendor submitted questions.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DEP 27*04

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)

☒ Addendum No. 1	☐ Addendum No. 6
☐ Addendum No. 2	☐ Addendum No. 7
☐ Addendum No. 3	☐ Addendum No. 8
☐ Addendum No. 4	☐ Addendum No. 9
☐ Addendum No. 5	☐ Addendum No. 10

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

KEMRON Environmental Services, Inc.

Company

Terry L. Wilfong, Jr., LRS

Authorized Signature

October 8, 2026

Date

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

Revised 6/8/2012



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

State of West Virginia
Centralized Request for Quote
Info Technology

Proc Folder: 1978722

Doc Description: OER-WV Excavator Environmental Advisory Service

Reason for Modification:

Addendum #2 is issued to publish agency responses to vendor submitted questions and publish SAAS Addendum.

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2026-10-01	2026-10-08 13:30	CRFQ 0313 DEP2700000004	3

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000102616

Vendor Name : KEMRON Environmental Services, Inc.

Address : 108 Craddock Way, Suite 5

Street :

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Country : US/Putnam

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Vendor Contact Phone: 304-755-0999

Extension: 6101

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III
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Vendor

Signature X *Terry L. Wilfong, Jr., LRS* FEIN# 11-2393978

DATE October 8, 2026

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 West Virginia Department of Environmental Protection. Office of Environmental Remediation (WVDEP/OER) to establish a contract to create and maintain a West Virginia Excavator Environmental Advisory Service and Property Transfer Monitoring Service per the attached specifications and terms and conditions.

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF ENVIRONMENTAL REMEDIATION 601 57TH ST SE CHARLESTON WV US	STATE OF WEST VIRGINIA JOBSITE - SEE SPECIFICATIONS No City WV US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	West Virginia Excavator Environmental Advisory Service	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
77101700			

Extended Description:
Please enter the total bid amount from the Exhibit A Pricing Pager into Commodity Line 1.

SCHEDULE OF EVENTS		
<u>Line</u>	<u>Event</u>	<u>Event Date</u>

SOLICITATION NUMBER: CRFQ 0313 DEP2700000004

Addendum Number:

No.02

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☐ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☒ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☒ Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To publish agency responses to all vendor submitted questions
2. To publish Software as a Service Addendum

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

RFI: Questions from vendors for CRFQ DEP27*04

Q.1. Website, hosting, and information-security requirements

Please identify the State's requirements for hosting location, system availability, user authentication, accessibility, data encryption, backup and disaster recovery, audit logging, record retention, incident reporting, and cybersecurity review. Please confirm whether the website must comply with a specified accessibility standard and whether WVDEP will provide a domain, branding requirements, or identity-management integration.

A.

Hosting, Domain, Branding, Identity-management Integration: Responsibility of Vendor.

System availability: 99% uptime.

User Authentication: The vendor shall support third-party multi-factor authentication integration with the public jurisdiction third-party identity provider to safeguard personal data and non-public data.

Accessibility: Must be WCAG 2.1 Level AA compliant

Backup and Disaster Recovery: "3-2-1" backup strategy

Data Encryption: All personally identifiable information including but not limited to: caller name, caller address, caller email, or caller phone number should be encrypted in transit and at rest.

Audit Logging: At minimum, user login attempts, logout, and other auth operations should be audit logged.

Record Retention: Records would only need to be retained for the duration of the contract. Vendor may be requested to export data to .csv or other standard format

Incident Reporting: Any security incidents should notify DEP staff (DLR and ITS) and WVOT Security.

Cybersecurity review: We usually mandate industry best practices for security posture and don't usually review beyond the technical architecture for hosted solutions. For on-prem solutions, we deploy to our baseline standards:

- TLS everywhere + zero trust
- Encryption in transit and at rest
- Secure passwords between stack components (e.g. between application and DB, service accounts, etc.)

The vendor must follow the [WV Office of Technology SaaS Addendum](#)

Q.2. Historical ticket and advisory volumes

Please provide, for each of the last three to five years, the number of original tickets, update tickets, tickets intersecting monitored sites or buffer zones, and advisories generated. If available, please provide monthly volumes and the approximate percentage received outside normal business hours.

- A. Here is the last 4 years of Dig Ticket and Dig Advisory Data. WVDEP started screening out Update Tickets in late 2025/Early 2026. We do not maintain records on update tickets. We do not have the ability to readily calculate after-hour ticket volumes.

2022	Tickets	Audits	Advisories
January	69	31	60
February	83	28	74
March	132	31	128
April	106	30	95
May	139	31	127
June	122	30	113
July	117	31	110
August	154	31	134
September	131	30	118
October	148	31	141
November	120	30	114
December	129	32	121
Totals	1450	366	1335
2023	Tickets	Audits	Advisories
January	136	31	128
February	159	28	132
March	127	31	117
April	87	30	76
May	117	31	111
June	116	30	107
July	156	31	118
August	151	31	142
September	107	30	98
October	145	31	117
November	181	30	137
December	175	31	133
Totals	1657	365	1416
2024	Tickets	Audits	Advisories
January	158	31	107
February	166	29	112
March	220	31	170
April	318	30	204
May	395	31	230
June	260	30	186
July	245	31	179
August	251	31	213
September	220	30	207
October	210	31	200

November	214	30	191
December	181	31	174
Totals	2838	366	2173
2025	Tickets	Audits	Advisories
January	174	31	149
February	276	28	228
March	309	31	282
April	280	30	242
May	221	31	206
June	314	30	241
July	338	31	320
August	333	31	300
September	322	30	303
October	365	31	340
November	322	30	288
December	349	31	323
Totals	3603	365	3222
2026	Tickets	Audits	Advisories
January	296	31	274
February	359	28	232
March	362	31	186
April	404	30	191
May	403	31	194
June	413	30	223
July			
August			
September			
October			
November			
December			
Totals	2237	181	1300

Q.3. · Property-review schedule and WVDEP approval timing

Please identify the expected dates for the annual parcel-data update and the two semiannual property reviews, notifications, and mailings.

A. The annual parcel data update must be completed within the first 6 months of the contract so the semiannual property reviews can be done twice within the annual contract period.

Q.4. · Required reports under General Terms §39

The solicitation checks the requirement for reports requested by the Agency or Purchasing Division. Please identify the reports currently anticipated, their required content, format, frequency, and delivery deadline, and confirm that those reporting costs must be included in the Exhibit A pricing.

A. To date, no reports have been generated by the current vendor at the request of the Agency or Purchasing Division. There is no pre-developed reporting format. This clause in the contract would only be for the purpose of auditing or addressing billing discrepancies. Otherwise, the Office of Environmental Remediation maintains and reports its own data for the Agency's or Purchasing Division's needs.

Q.5. · Evaluation and contract-value formula

Exhibit A labels the quantities and totals for Items 1 and 2 as applying "each year," while listing those items only once and listing the Property Transfer Monitoring Service separately for four years. Please provide the precise formula the State will use to calculate the Total Bid Amount. Should Items 1 and 2 be multiplied by four for evaluation, or included only once? Please also clarify whether the Commodity Line 1 amount will be an evaluation amount, a first-year amount, or a maximum four-year contract amount.

- A. Item 1) Excavator Environmental Advisory Service: Contract pricing is only done per year so the "Total (each year)" bid amount and the Total Bid Amount will use the same number. *Note the "price per ticket" will ultimately be the figure used to determine the bid amount.
- B. Item 2) Is the total bid amount of both setting up the property transfer monitoring service AND conducting the Property Transfer Monitoring Service for the first year.
- C. Item 3) Assumes that no further setup costs are needed and only the Property Transfer Monitoring Service will be offered in the subsequent contract years. So we anticipate Item 3 having a lower total amount than Item 2 due to the system already being setup at that point.

Q.6. · Original versus Update Ticket classification

The prior solicitation's Addendum No. 1 stated that WVDEP could not readily audit the percentage of original versus update tickets. The current Exhibit A nevertheless requires separate unit prices for those tickets. Please define the WV811 field or transaction type that determines whether a ticket is billed as an original Dig Ticket or an Update Ticket, explain how quantities will be verified for invoicing, and confirm whether every subsequent update to an original ticket is separately billable.

- A. The "Type" field is used to establish whether a dig ticket is a normal, update, dig up, emergency, etc. ticket. If vendor wishes to submit a different bid amount for an update ticket vs. a normal ticket, then the vendor would need to differentiate the types and number of tickets on their invoice. The vendor may bid the same amount for both update and normal dig tickets. Currently, as many as 40% of Dig Tickets currently generated are Update Tickets. The number of Update Tickets per billing cycle or per year is determined by the number of large, long-term projects taking place around LUC sites. Additionally, changes to the WV811 system in September 2026 regarding the expiration of dig tickets may influence the number of update dig tickets generated per billing cycle or per year. *Note the "price per normal ticket" and/or "price

per update ticket” will ultimately be the figure used to determine the bid amount and not the total anticipated number of tickets per year.

Q.7. · Advisories for Update Tickets

Information issued with the prior solicitation indicated that WVDEP had requested that advisories no longer be generated for Update Tickets. Current §4.1.4 requires an advisory when a “Dig Ticket” intersects a site or buffer. Please confirm whether the successful Vendor must generate a new advisory for an Update Ticket and, if so, whether the one-hour deadline applies to every update.

A. The successful vendor will not need to generate a new advisory of Update Tickets. The one hour deadline only applies to dig tickets that require the creation of a Dig Advisory, so update tickets would not be required to meet the one-hour deadline.

Q.8. · Hours covered by the one-hour SLA

Please confirm whether the one-hour advisory deadline in §4.1.4 applies 24 hours per day, seven days per week, including weekends and State and federal holidays. Please identify any permitted maintenance, WV811 outage, incomplete-ticket, or other exceptions and the required turnaround for advisories manually requested under §4.1.5.2.

A. The one-hour advisory deadline does not make any exceptions for work hours, weekends, or Holidays. Exceptions would be made for permitted maintenance, system outages, incomplete tickets, or other events outside of the vendor’s control.

Q.9. · Incumbent-system transition and data availability

The incumbent’s prior submission states that WVDEP sites, contacts, historical tickets, advisories, and mapping layers are presently maintained in the incumbent’s proprietary DigClean system. Please identify all data, files, ticket history, advisory history, WV811 registrations, contact records, and other materials that the State will provide to a successor Vendor; the required export formats; whether historical migration is mandatory; and the transition and go-live schedule.

A. Historical data migration is not necessary or mandatory. Current Georeferenced site data and associated project manager contact information will be submitted to the vendor before the contract start date so the system will be fully operational at the contract start date.

Q.10. · Property-data responsibility and volumes

Please clarify whether WVDEP will provide both current and historical ownership and parcel-boundary information or whether the Vendor must obtain current data from the West Virginia GIS Technical Center, county assessors, or other sources. Please provide the current number of monitored sites, polygons and tax parcels, the counties represented, and historical semiannual counts of ownership changes and letters mailed. If owner mailing information is missing or inaccurate in public records, what additional research is required of the Vendor?

- A. WVDEP maintains current LUC boundary ownership data in an excel file, but the data is incomplete. All other parcel data and historical ownership data is kept in copies of past Land Use Covenants. WVDEP does not maintain data regarding historical counts of ownership change. WVDEP does not have a standard system of notification of new owners of Land Use Covenant responsibilities, so no letters have been mailed. There are approximately 367 monitored sites consisting of 566 polygons (including engineering control areas). The number of tax parcels is unknown.

Q.11. · Qualification §§3.3 and 3.4

For §3.3, please confirm whether “interface with the West Virginia 811 system” requires an automated statewide technical interface capable of submitting mapping data and receiving tickets, or whether experience receiving and responding to WV811 notices through an existing project account is sufficient. For §3.4, please identify acceptable evidence of five years’ experience and confirm whether qualifying experience may be demonstrated through the Vendor’s proposed personnel and subcontractors.

- A. §3.3: The vendor must have working knowledge and experience of how to package and submit mapping information to the WV811 system as well as how to receive and process Dig Tickets from the WV811 system. This capability must be ready on day one of the contract. WVDEP does not know how the current contractor interfaces with the WV811 system or which systems are currently automated or how they are automated.

§3.4: WVDEP understands that the vendor may not readily have documentation of qualifying experience. Some possible documents may include business registration documents or historical invoices/purchase orders for similar services. A written summary of qualifying services may be submitted. Qualifying experience may be demonstrated through the Vendor’s proposed personnel and/or subcontractors. WVDEP wants to ensure that the winning bidder has the capability, capacity, and expertise to implement a contract of this scope and magnitude on the start date of the contract so necessary services are not interrupted.

Software as a Service Addendum

1. Definitions:

Acceptable alternative data center location means a country that is identified as providing equivalent or stronger data protection than the United States, in terms of both regulation and enforcement. DLA Piper's Privacy Heatmap shall be utilized for this analysis and may be found at <https://www.dlapiperdataprotection.com/index.html?t=world-map&c=US&c2=IN>.

Authorized Persons means the service provider's employees, contractors, subcontractors or other agents who have responsibility in protecting or have access to the public jurisdiction's personal data and non-public data to enable the service provider to perform the services required.

Data Breach means the unauthorized access and acquisition of unencrypted and unredacted personal data that compromises the security or confidentiality of a public jurisdiction's personal information and that causes the service provider or public jurisdiction to reasonably believe that the data breach has caused or will cause identity theft or other fraud.

Individually Identifiable Health Information means information that is a subset of health information, including demographic information collected from an individual, and (1) is created or received by a health care provider, health plan, employer or health care clearinghouse; and (2) relates to the past, present or future physical or mental health or condition of an individual; the provision of health care to an individual; or the past, present or future payment for the provision of health care to an individual; and (a) that identifies the individual; or (b) with respect to which there is a reasonable basis to believe the information can be used to identify the individual.

Non-Public Data means data, other than personal data, that is not subject to distribution to the public as public information. It is deemed to be sensitive and confidential by the public jurisdiction because it contains information that is exempt by statute, ordinance or administrative rule from access by the general public as public information.

Personal Data means data that includes information relating to a person that identifies the person by first name or first initial, and last name, and has any of the following personally identifiable information (PII): government-issued identification numbers (e.g., Social Security, driver's license, state identification card); financial account information, including account number, credit or debit card numbers; or protected health information (PHI).

Protected Health Information (PHI) means individually identifiable health information transmitted by electronic media, maintained in electronic media, or transmitted or maintained in any other form or medium. PHI excludes education records covered by the Family Educational Rights and Privacy Act (FERPA), as amended, 20 U.S.C. 1232g, records described at 20 U.S.C. 1232g(a)(4)(B)(iv) and employment records held by a covered entity in its role as employer.

Public Jurisdiction means any government or government agency that uses these terms and conditions. The term is a placeholder for the government or government agency.

Public Jurisdiction Data means all data created or in any way originating with the public jurisdiction, and all data that is the output of computer processing or other electronic manipulation of any data that was created by or in any way originated with the public jurisdiction, whether such data or output is stored on the public jurisdiction's hardware, the service provider's hardware or exists in any system owned, maintained or otherwise controlled by the public jurisdiction or by the service provider.

Public Jurisdiction Identified Contact means the person or persons designated in writing by the public jurisdiction to receive security incident or breach notification.

Restricted data means personal data and non-public data.

Security Incident means the actual unauthorized access to personal data or non-public data the service provider believes could reasonably result in the use, disclosure or theft of a public jurisdiction's unencrypted personal data or non-public data within the possession or control of the service provider. A security incident may or may not turn into a data breach.

Service Provider means the contractor and its employees, subcontractors, agents and affiliates who are providing the services agreed to under the contract.

Software-as-a-Service (SaaS) means the capability provided to the consumer to use the provider's applications running on a cloud infrastructure. The applications are accessible from various client devices through a thin-client interface such as a Web browser (e.g., Web-based email) or a program interface. The consumer does not manage or control the underlying cloud infrastructure including network, servers, operating systems, storage or even individual application capabilities, with the possible exception of limited user-specific application configuration settings.

2. Data Ownership: The public jurisdiction will own all right, title and interest in its data that is related to the services provided by this contract. The service provider shall not access public jurisdiction user accounts or public jurisdiction data, except (1) in the course of data center operations, (2) in response to service or technical issues, (3) as required by the express terms of this contract or (4) at the public jurisdiction's written request.

3. Data Protection and Privacy: Protection of personal privacy and data shall be an integral part of the business activities of the service provider to ensure there is no inappropriate or unauthorized use of public jurisdiction information at any time. To this end, the service provider shall safeguard the confidentiality, integrity and availability of public jurisdiction information and comply with the following conditions:

- a) The service provider shall implement and maintain appropriate administrative, technical and physical security measures to safeguard against unauthorized access, disclosure or theft of personal data and non-public data. In Appendix A,

the public jurisdiction shall indicate whether restricted information will be processed by the service provider. Such security measures shall be in accordance with recognized industry practice and not less stringent than the measures the service provider applies to its own personal data and non-public data of similar kind. The service provider shall ensure that all such measures, including the manner in which personal data and non-public data are collected, accessed, used, stored, processed, disposed of and disclosed, comply with applicable data protection and privacy laws, as well as the terms and conditions of this Addendum and shall survive termination of the underlying contract.

- b) The service provider represents and warrants that its collection, access, use, storage, disposal and disclosure of personal data and non-public data do and will comply with all applicable federal and state privacy and data protection laws, as well as all other applicable regulations, policies and directives.
- c) The service provider shall support third-party multi-factor authentication integration with the public jurisdiction third-party identity provider to safeguard personal data and non-public data.
- d) If, in the course of its engagement by the public jurisdiction, the service provider has access to or will collect, access, use, store, process, dispose of or disclose credit, debit or other payment cardholder information, the service provider shall at all times remain in compliance with the Payment Card Industry Data Security Standard ("PCI DSS") requirements, including remaining aware at all times of changes to the PCI DSS and promptly implementing all procedures and practices as may be necessary to remain in compliance with the PCI DSS, in each case, at the service provider's sole cost and expense. All data obtained by the service provider in the performance of this contract shall become and remain the property of the public jurisdiction.
- e) All personal data shall be encrypted at rest and in transit with controlled access. Unless otherwise stipulated, the service provider is responsible for encryption of the personal data.
- f) Unless otherwise stipulated, the service provider shall encrypt all non-public data at rest and in transit, in accordance with recognized industry practice. The public jurisdiction shall identify data it deems as non-public data to the service provider.
- g) At no time shall any data or process – that either belong to or are intended for the use of a public jurisdiction or its officers, agents or employees — be copied, disclosed or retained by the service provider or any party related to the service provider for subsequent use in any transaction that does not include the public jurisdiction.
- h) The service provider shall not use or disclose any information collected in connection with the service issued from this proposal for any purpose other than fulfilling the service.
- i) Data Location. For non-public data and personal data, the service provider shall provide its data center services to the public jurisdiction and its end users solely from data centers in the U.S. Storage of public jurisdiction data at rest shall be located solely in data centers in the U.S. The service provider shall not allow its personnel or contractors to *store* public jurisdiction data on portable devices, including personal computers, except for devices that are used and kept only at its

U.S. data centers. With agreement from the public jurisdiction, this term may be met by the service provider providing its services from an acceptable alternative data center location, which agreement shall be stated in Appendix A. The Service Provider may also request permission to utilize an acceptable alternative data center location during a procurement's question and answer period by submitting a question to that effect. The service provider shall permit its personnel and contractors to access public jurisdiction data remotely only as required to provide technical support.

4. Security Incident or Data Breach Notification: The service provider shall inform the public jurisdiction of any confirmed security incident or data breach.

- a) Incident Response: The service provider may need to communicate with outside parties regarding a security incident, which may include contacting law enforcement, fielding media inquiries and seeking external expertise as defined by law or contained in the contract. Discussing security incidents with the public jurisdiction shall be handled on an urgent as-needed basis, as part of service provider communication and mitigation processes defined by law or contained in the contract.
- b) Security Incident Reporting Requirements: The service provider shall report a confirmed Security Incident as soon as practicable, but no later than twenty-four (24) hours after the service provider becomes aware of it, to: (1) the department privacy officer, by email, with a read receipt, identified in Appendix A; and, (2) unless otherwise directed by the public jurisdiction in the underlying contract, the WVOT Online Computer Security and Privacy Incident Reporting System at <https://apps.wv.gov/ot/ir/Default.aspx>, and (3) the public jurisdiction point of contact for general contract oversight/administration. The following information shall be shared with the public jurisdiction: (1) incident phase (detection and analysis; containment, eradication and recovery; or post-incident activity), (2) projected business impact, and, (3) attack source information.
- c) Breach Reporting Requirements: Upon the discovery of a data breach or unauthorized access to non-public data, the service provider shall immediately report to: (1) the department privacy officer, by email, with a read receipt, identified in Appendix A; and, (2) unless otherwise directed by the public jurisdiction in the underlying contract, the WVOT Online Computer Security and Privacy Incident Reporting System at <https://apps.wv.gov/ot/ir/Default.aspx>, and the public jurisdiction point of contact for general contract oversight/administration.

5. Breach Responsibilities: This section only applies when a data breach occurs with respect to personal data within the possession or control of the service provider.

- a) Immediately after being awarded a contract, the service provider shall provide the public jurisdiction with the name and contact information for an employee of service provider who shall serve as the public jurisdiction's primary security contact and shall be available to assist the public jurisdiction twenty-four (24) hours per day, seven (7) days per week as a contact in resolving obligations associated with a data breach. The service provider may provide this information in Appendix A.

- b) Immediately following the service provider's notification to the public jurisdiction of a data breach, the parties shall coordinate cooperate with each other to investigate the data breach. The service provider agrees to fully cooperate with the public jurisdiction in the public jurisdiction's handling of the matter, including, without limitation, at the public jurisdiction's request, making available all relevant records, logs, files, data reporting and other materials required to comply with applicable law and regulation.
- c) Within 72 hours of the discovery, the service provider shall notify the parties listed in 4(c) above, to the extent known: (1) date of discovery; (2) list of data elements and the number of individual records; (3) description of the unauthorized persons known or reasonably believed to have improperly used or disclosed the personal data; (4) description of where the personal data is believed to have been improperly transmitted, sent, or utilized; and, (5) description of the probable causes of the improper use or disclosure.
- d) The service provider shall (1) cooperate with the public jurisdiction as reasonably requested by the public jurisdiction to investigate and resolve the data breach, (2) promptly implement necessary remedial measures, if necessary, and prevent any further data breach at the service provider's expense in accordance with applicable privacy rights, laws and regulations and (3) document responsive actions taken related to the data breach, including any post-incident review of events and actions taken to make changes in business practices in providing the services, if necessary.
- e) If a data breach is a direct result of the service provider's breach of its contract obligation to encrypt personal data or otherwise prevent its release, the service provider shall bear the costs associated with (1) the investigation and resolution of the data breach; (2) notifications to individuals, regulators or others required by state or federal law; (3) a credit monitoring service (4) a website or a toll-free number and call center for affected individuals required by state law — all not to exceed the average per record per person cost calculated for data breaches in the United States in the most recent Cost of Data Breach Study: Global Analysis published by the Ponemon Institute at the time of the data breach (or other similar publication if the named publication has not issued an updated average per record per cost in the last 5 years at the time of the data breach); and (5) complete all corrective actions as reasonably determined by service provider based on root cause. The service provider agrees that it shall not inform any third party of any data breach without first obtaining the public jurisdiction's prior written consent, other than to inform a complainant that the matter has been forwarded to the public jurisdiction's legal counsel and/or engage a third party with appropriate expertise and confidentiality protections for any reason connected to the data breach. Except with respect to where the service provider has an independent legal obligation to report a data breach, the service provider agrees that the public jurisdiction shall have the sole right to determine: (1) whether notice of the data breach is to be provided to any individuals, regulators, law enforcement agencies, consumer reporting agencies or others, as required by law or regulation, or otherwise in the public jurisdiction's discretion; and (2) the contents of such notice, whether any

type of remediation may be offered to affected persons, and the nature and extent of any such remediation. The service provider retains the right to report activity to law enforcement.

6. Notification of Legal Requests: The service provider shall contact the public jurisdiction upon receipt of any electronic discovery, litigation holds, discovery searches and expert testimonies related to the public jurisdiction's data under this contract, or which in any way might reasonably require access to the data of the public jurisdiction. The service provider shall not respond to subpoenas, service of process and other legal requests related to the public jurisdiction without first notifying the public jurisdiction, unless prohibited by law from providing such notice.

7. Termination and Suspension of Service:

- a) In the event of a termination of the contract, the service provider shall implement an orderly return of public jurisdiction data within the time period and format specified in the contract (or in the absence of a specified time and format, a mutually agreeable time and format) and after the data has been successfully returned, securely and permanently dispose of public jurisdiction data.
- b) During any period of service suspension, the service provider shall not take any action to intentionally erase any public jurisdiction data.
- c) In the event the contract does not specify a time or format for return of the public jurisdiction's data and an agreement has not been reached, in the event of termination of any services or agreement in entirety, the service provider shall not take any action to intentionally erase any public jurisdiction data for a period of:
 - 10 days after the effective date of termination, if the termination is in accordance with the contract period
 - 30 days after the effective date of termination, if the termination is for convenience
 - 60 days after the effective date of termination, if the termination is for cause

After such period, the service provider shall have no obligation to maintain or provide any public jurisdiction data and shall thereafter, unless legally prohibited, delete all public jurisdiction data in its systems or otherwise in its possession or under its control.

- d) The public jurisdiction shall be entitled to any post-termination assistance generally made available with respect to the services, unless a unique data retrieval arrangement has been established as part of the Contract.
- e) The service provider shall securely dispose of all requested data in all of its forms, such as disk, CD/ DVD, backup tape and paper, when requested by the public jurisdiction. Data shall be permanently deleted and shall not be recoverable, according to National Institute of Standards and Technology (NIST)-approved methods. Certificates of destruction shall be provided to the public jurisdiction.

8. Background Checks: The service provider shall conduct criminal background checks in compliance with W.Va. Code §15-2D-3 and not utilize any staff to fulfill the obligations

of the contract, including subcontractors, who have been convicted of any crime of dishonesty, including but not limited to criminal fraud, or otherwise convicted of any felony or misdemeanor offense for which incarceration for up to 1 year is an authorized penalty. The service provider shall promote and maintain an awareness of the importance of securing the public jurisdiction's information among the service provider's employees and agents.

9. Oversight of Authorized Persons: During the term of each authorized person's employment or engagement by service provider, service provider shall at all times cause such persons to abide strictly by service provider's obligations under this Agreement and service provider's standard policies and procedures. The service provider further agrees that it shall maintain a disciplinary process to address any unauthorized access, use or disclosure of personal data by any of service provider's officers, partners, principals, employees, agents or contractors.

10. Access to Security Logs and Reports: The service provider shall provide reports to the public jurisdiction in CSV format agreed to by both the service provider and the public jurisdiction. Reports shall include user access (successful and failed attempts), user access IP address, user access history and security logs for all public jurisdiction files and accounts related to this contract.

11. Data Protection Self-Assessment: The service provider shall perform a Cloud Security Alliance STAR Self-Assessment by completing and submitting the "Consensus Assessments Initiative Questionnaire" to the Public Jurisdiction Identified Contact. The service provider shall submit its self-assessment to the public jurisdiction prior to contract award and, upon request, annually thereafter, on the anniversary of the date of contract execution. Any deficiencies identified in the assessment will entitle the public jurisdiction to disqualify the bid or terminate the contract for cause.

12. Data Center Audit: The service provider shall perform an audit of its data center(s) at least annually at its expense and provide a redacted version of the audit report upon request. The service provider may remove its proprietary information from the redacted version. A Service Organization Control (SOC) 2 audit report or approved equivalent sets the minimum level of a third-party audit. Any deficiencies identified in the report or approved equivalent will entitle the public jurisdiction to disqualify the bid or terminate the contract for cause.

13. Change Control and Advance Notice: The service provider shall give 30 days, advance notice (to the public jurisdiction of any upgrades (e.g., major upgrades, minor upgrades, system changes) that may impact service availability and performance. A major upgrade is a replacement of hardware, software or firmware with a newer or better version in order to bring the system up to date or to improve its characteristics.

14. Security:

- a) At a minimum, the service provider's safeguards for the protection of data shall include: (1) securing business facilities, data centers, paper files, servers, back-up

systems and computing equipment, including, but not limited to, all mobile devices and other equipment with information storage capability; (2) implementing network, device application, database and platform security; 3) securing information transmission, storage and disposal; (4) implementing authentication and access controls within media, applications, operating systems and equipment; (5) implementing appropriate personnel security and integrity procedures and practices, including, but not limited to, conducting background checks consistent with applicable law; and (6) providing appropriate privacy and information security training to service provider's employees.

- b) The service provider shall execute well-defined recurring action steps that identify and monitor vulnerabilities and provide remediation or corrective measures. Where the service provider's technology or the public jurisdiction's required dependence on a third-party application to interface with the technology creates a critical or high risk, the service provider shall remediate the vulnerability as soon as possible. The service provider must ensure that applications used to interface with the service provider's technology remain operationally compatible with software updates.
- c) Upon the public jurisdiction's written request, the service provider shall provide a high-level network diagram with respect to connectivity to the public jurisdiction's network that illustrates the service provider's information technology network infrastructure.

15. Non-disclosure and Separation of Duties: The service provider shall enforce separation of job duties, require commercially reasonable non-disclosure agreements, and limit staff knowledge of public jurisdiction data to that which is absolutely necessary to perform job duties.

16. Import and Export of Data: The public jurisdiction shall have the ability to securely import, export or dispose of data in standard format in piecemeal or in entirety at its discretion without interference from the service provider. This includes the ability for the public jurisdiction to import or export data to/from other service providers identified in the contract (or in the absence of an identified format, a mutually agreeable format).

17. Responsibilities: The service provider shall be responsible for the acquisition and operation of all hardware, software and network support related to the cloud services being provided. The technical and professional activities required for establishing, managing and maintaining the environments are the responsibilities of the service provider.

18. Subcontractor Compliance: The service provider shall ensure that any of its subcontractors to whom it provides any of the personal data or non-public data it receives hereunder, or to whom it provides any personal data or non-public data which the service provider creates or receives on behalf of the public jurisdiction, agree to the restrictions, terms and conditions which apply to the service provider hereunder.

19. Right to Remove Individuals: The public jurisdiction shall have the right at any time to require that the service provider remove from interaction with public jurisdiction any

service provider representative who the public jurisdiction believes is detrimental to its working relationship with the service provider. The public jurisdiction shall provide the service provider with notice of its determination, and the reasons it requests the removal. If the public jurisdiction signifies that a potential security violation exists with respect to the request, the service provider shall immediately remove such individual. The service provider shall not assign the person to any aspect of the contract without the public jurisdiction's consent.

20. Business Continuity and Disaster Recovery: The service provider shall provide a business continuity and disaster recovery plan executive summary upon request. Lack of a plan will entitle the public jurisdiction to terminate this contract for cause.

21. Compliance with Accessibility Standards: The service provider shall comply with and adhere to Accessibility Standards of Section 508 Amendment to the Rehabilitation Act of 1973.

22. Web Services: The service provider shall use web services exclusively to interface with the public jurisdiction's data in near real time when possible.

23. Encryption of Data at Rest: The service provider shall ensure hard drive encryption consistent with validated cryptography standards as referenced in FIPS 140-2, Security Requirements for Cryptographic Modules for all personal data.

24. Subscription Terms: Service provider grants to a public jurisdiction a license to:

- a. Access and use the service for its business purposes;
- b. For SaaS, use underlying software as embodied or used in the service; and
- c. View, copy, upload, download (where applicable), and use service provider's documentation.

25. Equitable Relief: Service provider acknowledges that any breach of its covenants or obligations set forth in Addendum may cause the public jurisdiction irreparable harm for which monetary damages would not be adequate compensation and agrees that, in the event of such breach or threatened breach, the public jurisdiction is entitled to seek equitable relief, including a restraining order, injunctive relief, specific performance and any other relief that may be available from any court, in addition to any other remedy to which the public jurisdiction may be entitled at law or in equity. Such remedies shall not be deemed to be exclusive but shall be in addition to all other remedies available at law or in equity, subject to any express exclusions or limitations in this Addendum to the contrary.

AGREED:

Name of Agency: _____

Signature: _____

Title: _____

Date: _____

KEMRON Environmental Services, Inc.
Name of Vendor: _____

Signature: Terry L. Wilfong, Jr., LRS

Title: Regional Manager

Date: October 8, 2026

Appendix A

(To be completed by the Agency's Procurement Officer prior to the execution of the Addendum, and shall be made a part of the Addendum. Required information not identified prior to execution of the Addendum may only be added by amending Appendix A and the Addendum, via Change Order.)

Name of Service Provider/Vendor: KEMRON Environmental Services, Inc.

Name of Agency: WV Department of Environmental Protection

Agency/public jurisdiction's required information:

1. Will restricted information be processed by the service provider?
Yes ☒
No ☐
2. If yes to #1, does the restricted information include personal data?
Yes ☒
No ☐
3. If yes to #1, does the restricted information include non-public data?
Yes ☐
No ☒
4. If yes to #1, may the service provider store public jurisdiction data in a data center in an acceptable alternative data center location, which is a country that is not the U.S.?
Yes ☐
No ☐
5. Provide name and email address for the Department privacy officer:
Name: John J. Nilles
Email address: john.j.nilles@wv.gov

Vendor/Service Provider's required information:

6. Provide name and contact information for vendor's employee who shall serve as the public jurisdiction's primary security contact:
Name: Terry L. Wilfong, Jr. LRS
Email address: tlwilfong@kemron.com
Phone Number: 304-755-0999

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DEP 27*04

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)

☒ Addendum No. 1	☐ Addendum No. 6
☒ Addendum No. 2	☐ Addendum No. 7
☐ Addendum No. 3	☐ Addendum No. 8
☐ Addendum No. 4	☐ Addendum No. 9
☐ Addendum No. 5	☐ Addendum No. 10

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

KEMRON Environmental Services, Inc.

Company

Terry L. Wilfong, Jr., LRS

Authorized Signature

October 8, 2026

Date

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

Revised 6/8/2012

REQUEST FOR QUOTATION
WV Excavator Environmental Advisory and Property Transfer Notification Service

- 7.2.1 Immediate cancellation of the Contract.
- 7.2.2 Immediate cancellation of one or more release orders issued under this Contract.
- 7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Terry L. Wilfong, Jr., LRS
Telephone Number: 304-755-0999
Fax Number: 304-755-0990
Email Address: tlwilfong@kemron.com

Exhibit A – Pricing Page

1) Excavator Environmental Advisory Service

ITEM NO	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL (each year)
1	1800	Price Per Dig Ticket	\$ 14.06	\$ 25,300.20
2	1200	Price Per Dig "Update" Ticket	\$ 10.46	\$ 12,555.00

2) Property Transfer Monitoring Service

First Year (Includes initial system data setup and letter template design)

ITEM NO	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL (1st year)
3	1	Initial System Setup (one time)	\$ 6,480.00	\$ 6,480.00
4	1	Letter Template Development (one time)	\$ 1,080.00	\$ 1,080.00
5	2	Property Ownership and Boundary Review (twice annually)	\$ 540.00	\$ 1,080.00
6	2	Property Transfer Letter Generation and Mailing	\$ 675.00	\$ 1,350.00

Second Year

ITEM NO	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL (2nd)
7	1	Parcel Map Layer and Data Updates (once per year) *Note this is included in item 3.0 for the first year	\$ 1,120.00	\$ 1,120.00
8	2	Property Ownership and Boundary Review (twice annually)	\$ 560.00	\$ 1,120.00
9	2	Property Transfer Letter Generation and Mailing	\$ 700.00	\$ 1,400.00

Third Year

ITEM NO	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL (3rd)
10	1	Parcel Map Layer and Data Updates (once per year)	\$ 1,160.00	\$ 1,160.00
11	2	Property Ownership and Boundary Review (twice annually)	\$ 580.00	\$ 1,160.00
12	2	Property Transfer Letter Generation and Mailing	\$ 725.00	\$ 1,450.00

Fourth Year

ITEM NO	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL (4th)
13	1	Parcel Map Layer and Data Updates (once per year)	\$ 1,200.00	\$ 1,200.00
14	2	Property Ownership and Boundary Review (twice annually)	\$ 600.00	\$ 1,200.00
15	2	Property Transfer Letter Generation and Mailing	\$ 750.00	\$ 1,500.00

Total Bid Amount			\$ 59,155.20
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Quantities listed on the bid schedule are for bid evaluation purposes only and are not a guarantee of quantities to be ordered over the life of the contract. Actual quantities may be more, or less, than those stated on this schedule. Note: Modification of this pricing page will result in vendor disqualification.

Company: **KEMRON Environmental Services, Inc.**

Name: **Terry L. Wilfong, Jr., LRS**

Signature: Terry L. Wilfong, Jr., LRS Date: **October 8, 2026**



October 8, 2026

Joseph (Josh) E Hager III
West Virginia Department of Environmental Protection
2019 Washington Street, East
Charleston, WV 25305

Re: Technical Approach and Narrative Statement of Experience and Qualifications
Centralized Request For Quote 0313 DEP2700000004
Title: OER-WV Excavator Environmental Advisory Service
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Dear Mr. Hager,

KEMRON Environmental Services, Inc. (KEMRON) is pleased to submit this Technical Approach and Narrative Statement of Experience and Qualifications in response to Centralized Request For Quote (CRFQ) 0313 DEP2700000004 for Excavator Environmental Advisory Service.

1.0 TECHNICAL APPROACH FOR EXCAVATOR ENVIRONMENTAL ADVISORY SERVICE

In response to CRFQ 0313 DEP2700000004 for Excavator Environmental Advisory Service, KEMRON proposes to provide an integrated service for monitoring WV811 excavation notices, identifying work at or near WVDEP land use covenant (LUC) sites, preparing and distributing excavation advisories, maintaining current site and contact information, and monitoring property ownership changes. The service will give WVDEP a current map and searchable record of excavation activity, advisory history, monitored sites, responsible contacts, parcels, and property-transfer correspondence. Resumes of staff to be assigned to the project are included in the response to CRFQ 0313 DEP2700000004 and attached herein.

1.1 Excavator Environmental Advisory Service

KEMRON will monitor incoming WV811 excavation notices and maintain a record of each ticket, its type, location, processing status, and relationship to monitored land use covenant (LUC) sites. KEMRON will use the georeferenced site information and project manager contacts provided by WVDEP/OER to establish the monitored-site inventory. KEMRON will create a 100-foot buffer around each site boundary, submit the required site mapping information to WV811, and maintain the site and contact information used to process tickets and prepare advisories.

1. **WV811 coordination and site updates.** KEMRON will package and submit monitored-site geospatial and property information to WV811 and receive and process corresponding dig tickets. The monitored-site system will be updated twice annually. Updates submitted by OER will be completed within three (3) business days of receipt.
2. **Ticket intake and classification.** KEMRON will record the WV811 ticket number, Type field, receipt time, excavation location, work description, dates, and available contact information. Original and update tickets will be identified separately, including for invoice support if different unit prices are bid. Updates will be linked to their original tickets to preserve the ticket history. As clarified in Addendum 2, an update ticket does not require a new advisory and is not subject to the one-hour advisory deadline.
3. **Excavation mapping.** KEMRON will locate each reported excavation and map it in KML in relation to monitored-site boundaries and their 100-foot buffers. The mapping will include separate layers for site boundaries and incoming excavation tickets; the incoming-ticket layer will be updated hourly. Tickets associated with more than one monitored site will retain each affected-site relationship.
4. **Spatial review and advisory decision.** KEMRON will compare each qualifying original ticket with the monitored-site boundaries and buffers. If the excavation falls within a boundary or buffer, KEMRON will prepare an advisory for the affected site or sites. Tickets for which no advisory is sent will remain in a searchable record and will be available for OER to request an advisory when warranted.
5. **Advisory preparation and delivery.** KEMRON will email each required advisory as a PDF to the OER staff designated for the affected site within one hour after receipt of the corresponding dig ticket. This deadline applies during evenings, weekends, and holidays. KEMRON will monitor processing and delivery, flag exceptions for follow-up, and retain the ticket receipt and advisory transmission times. Permitted maintenance, system outages, incomplete tickets, and other events outside KEMRON's control will be documented when they affect processing.

6. **Advisory content.** Each advisory will include the available excavator name, telephone number, and email address; the OER project manager's name, telephone number, and email address; the work address, nearest intersection, description, date, party for whom the work is being performed, excavation depth, driving directions, and coordinates; and a legible map identifying the proposed excavation and the boundaries and project names of affected or potentially affected LUC sites. It will also include a statement about the dangers of excavation on or near contaminated sites, instructions to contact the project manager with questions, and links to the applicable LUCs on OER's website.
7. **Records and access.** KEMRON will retain the source ticket, mapped location, affected-site determination, advisory PDF, recipients, transmission status, and related updates. Authorized users will be able to review advisory and no-advisory tickets, retrieve prior advisories, and request an advisory for a ticket initially classified as requiring none.
8. **User-directed actions and downloads.** Users with the appropriate credentials can request an advisory from a reviewed no-advisory ticket, confirm the affected site, and provide a reason for the action. Users can open completed advisory documents and download selected ticket or site geography, or an approved group of records, for use in other mapping applications.

1.2 Website and Management Views

KEMRON will provide an authenticated website through which authorized OER users can review current excavation activity and ticket history. The map will display monitored sites and their boundaries, excavations for which advisories were sent, and excavations for which no advisories were sent. Users will be able to view the mapped location and status of an individual ticket and its relationship to affected sites.

The website will include tables showing: (1) advisories sent, with the date, recipient, and a link to each advisory as a web page or PDF; (2) tickets for which no advisory was sent, with an option to request one; (3) monitored sites and their WVDEP identification numbers; (4) contacts and their contact information; and (5) the monthly count of excavation tickets processed, updated daily. Authorized users will also be able to retrieve approved maps and records in standard export formats.

1.3 Application of KEMRON's Field Data Management Experience

KEMRON's approach draws on its experience developing an integrated field data management system for the Southside Chattanooga Lead project. On that project, KEMRON connects property identifiers, mapped work areas, field observations, photographs, signatures, work status, and project documents within a coordinated workflow. Standardized forms, prepopulated property information, required fields, and validation rules help associate each record with the correct location and identify incomplete information. GIS maps and management dashboards allow authorized project personnel to review completed work and items requiring follow-up.

KEMRON will apply these workflow principles to the WVDEP service by linking each WV811 ticket to its mapped excavation area, affected LUC site or sites, advisory decision,

delivery record, and subsequent ticket updates. For property monitoring, the same property-linked record structure will support parcel comparisons, review of identified changes, OER approval of letters, and mailing history. The Chattanooga project demonstrates KEMRON's experience managing location-specific environmental records; the WV811 intake, advisory deadlines, and property-transfer procedures proposed here will be configured and performed to meet this RFQ's requirements.

1.4 Property Transfer Monitoring Service

KEMRON will develop and maintain an online inventory of monitored LUC properties that includes an interactive parcel map, a list of subject properties, ownership information, and the relationship between parcels and monitored sites. During initial setup, KEMRON will assemble the available parcel and ownership information, identify gaps requiring review, and establish a documented comparison baseline. KEMRON will complete the initial parcel-data update within the first six months of the contract so that two property reviews can occur within the annual contract period.

KEMRON will update the property monitoring system annually and complete updates submitted by OER within three business days of receipt. Twice annually, KEMRON will compare current property information with the last ownership data provided by WVDEP to identify ownership transfers and parcel-boundary changes, including splits and aggregations. KEMRON will notify OER of identified ownership and boundary changes by email twice annually.

Using OER's formatting and content input, KEMRON will develop a property-transfer letter template. Letters generated for identified changes will populate the available new-owner and transfer information and will appear in the online system for OER review and approval. KEMRON will mail OER-approved letters to affected property owners twice annually and maintain an online log of generated, approved, and mailed letters.

1.5 Records, Quality Control, and Continuity

The service will retain the source ticket, mapped excavation area, processing status, advisory decision, affected-site relationships, final advisory, recipient and delivery history, site and contact changes, parcel comparisons, approved property letters, and user-directed actions. This record supports reconstruction of what information was received, how the system classified it, what was sent, and who performed or approved a manual action.

Automated checks will identify incomplete notices, invalid coordinates, duplicate records, delayed processing, missing documents or recipients, unsuccessful deliveries, and unavailable sources. Operations staff will receive alerts for conditions requiring intervention. Backups and documented recovery procedures will protect the current data and the supporting history.

Routine QC procedures will reconcile received notices with mapped tickets, confirm advisory and no-advisory results, verify that documents contain all the required information. Property-monitoring QC will confirm source dates, changes, approval decisions, and mailing records.

1.6 System Security and Continuity

KEMRON will provide the website, hosting, domain, branding, and identity-management integration required for the service. The hosted system will meet the specified 99% uptime requirement, support integration with the jurisdiction's third-party identity provider for multi-factor authentication, and meet WCAG 2.1 Level AA and applicable Section 508 accessibility requirements. Personally identifiable information will be encrypted in transit and at rest. Public-jurisdiction data will be stored in U.S. data centers, and backups will follow a 3-2-1 strategy.

The system will log user login attempts, logouts, and other authentication activity and will support the access-history and security-log exports required by the Software as a Service Addendum. KEMRON will maintain a business continuity and disaster recovery plan, provide the required security contact, follow the addendum's incident and breach notification procedures, and support secure data export and return at the State's request.

1.7 Resulting WVDEP Capability

The completed system will provide WVDEP with one coordinated operating record for excavation monitoring and property transfer review. Staff will be able to see where current excavation work is occurring, determine whether an advisory was required and sent, retrieve the advisory and supporting site information, request an additional advisory when needed, review recent and historical activity, maintain the monitored-site inventory, and track ownership-change correspondence.

The above-referenced approach emphasizes timely notice, clear mapping, complete records, controlled user actions, and a practical review workflow without tying the service description to a particular software product or internal implementation.

2.0 KEMRON EXPERIENCE AND QUALIFICATION NARRATIVES FOR WVDEP CRFQ 0313 DEP2700000004

2.1 Long-Term Stewardship of Contaminated Properties

KEMRON possesses more than 25 years of direct experience in the long-term stewardship of environmentally contaminated properties, significantly exceeding the minimum requirement of five years. Since 2000, KEMRON has successfully managed numerous projects under the West Virginia Voluntary Remediation Program (VRP), providing comprehensive support from initial site investigation through post-closure stewardship.

KEMRON's experience encompasses all phases of the remediation process, including site characterization, risk assessment, remedial design and implementation, and regulatory reporting. Senior staff, including Licensed Remediation Specialists and Project Managers, have managed complex sites under WVDEP, USEPA Brownfields, RCRA Corrective

Action, and CERCLA programs, ensuring compliance with both state and federal requirements.

A key strength of KEMRON is its expertise in establishing and maintaining long-term stewardship measures. This includes the preparation and implementation of environmental restrictive covenants, development of land use controls under programs such as the Uniform Environmental Covenant Act (UECA), and integration of institutional and engineering controls into site closure strategies. KEMRON also develops detailed geospatial documentation, including KML files defining restricted areas for WVDEP submittals.

Following project closure, KEMRON conducts ongoing inspection and compliance monitoring to verify adherence to institutional controls. These activities are supported by experienced staff who routinely develop Long-Term Monitoring (LTM) plans, conduct groundwater monitoring, and perform post-closure inspections in accordance with regulatory requirements.

KEMRON has also developed property-specific documentation workflows for the Southside Chattanooga Lead project. Its field data management system has been used for property access authorization, pre-remedial documentation, property walk-through acknowledgments, remedial activity tracking, and final completion documentation. The workflow keeps property identifiers, field records, supporting photographs, signatures, status updates, and final documents connected through review and closeout. This experience informs KEMRON's proposed method for maintaining an auditable record of WVDEP ticket decisions, advisories, property reviews, approvals, and correspondence.

Through decades of consistent involvement in VRP and other regulatory programs across West Virginia and the surrounding region, KEMRON has demonstrated a thorough understanding of long-term stewardship requirements.

2.2 Large-Scale GIS Mapping and Monitoring

KEMRON has more than 15 years of experience implementing large-scale site mapping and monitoring of contaminated properties using advanced geospatial data and technologies, significantly exceeding the minimum requirement. KEMRON maintains a dedicated GIS Group that supports environmental projects across West Virginia and nationwide.

KEMRON's GIS professionals have supported a wide range of contaminated sites, including private, commercial, state, and federal facilities. These projects range from small retail petroleum sites to large, complex federal installations such as U.S. Army Reserve facilities, Air Force Bases, and industrial manufacturing sites.

KEMRON's GIS capabilities are led by experienced staff with extensive backgrounds in environmental data management, spatial analysis, and field integration. These professionals routinely develop and manage geodatabases, generate complex site figures

(e.g., potentiometric surface maps, contaminant distribution maps, and utility layouts), and support regulatory decision-making processes.

In addition to mapping, KEMRON integrates GIS with field operations, including groundwater sampling, monitoring well installation, and real-time data collection. GIS staff regularly support site investigations by coordinating spatial data with field sampling programs and maintaining databases that track environmental conditions, remediation progress, and long-term monitoring results.

KEMRON also utilizes advanced geospatial technologies, including GPS-based field data collection, aerial mapping, and spatial modeling techniques to support decision-making and predictive evaluations. In addition to its extensive work within West Virginia, KEMRON provides similar GIS and geospatial support for federal facilities across the United States.

KEMRON's work on the Southside Chattanooga Lead project provides a further example of GIS integrated with active environmental work and project management. KEMRON developed a tablet-enabled field data management system that associates information collected in the field with the applicable property, work area, decision unit, sample location, or remedial activity. Standardized digital forms capture observations, photographs, signatures, and work status, while prepopulated identifiers and validation rules support consistent location-based records. Submitted information can be reviewed alongside GIS maps, project databases, and management dashboards to identify completed activities and locations requiring follow-up. This experience is directly relevant to maintaining traceable relationships among mapped WVDEP sites, excavation tickets, affected properties, and resulting documents.

2.3 WV811 Interface / Dig Ticket Response Experience

KEMRON has extensive, long-standing experience interfacing with West Virginia's One Call utility protection system (WV811) and coordinating with contractors to manage excavation-related notifications and responses. For over 15 years, KEMRON has supported the Fike Artel Superfund Site Trust in Nitro, West Virginia, working in close coordination with the West Virginia Department of Environmental Protection (WVDEP) to monitor and respond to WV811 dig tickets.

In this role, KEMRON actively receives and reviews WV811 notifications for planned excavation and intrusive activities within a defined area of concern—specifically, portions of the City of Nitro located west of State Highway Route 25 and north of the former Fike Artel Chemical Superfund Site. Upon receipt of a dig ticket, KEMRON promptly contacts the requesting party to ensure they are informed of the site's historical chemical manufacturing operations and the potential for encountering environmental contamination during subsurface work.

KEMRON's responsibilities also include verifying that contractors are operating under an appropriate Site-Specific Health and Safety Plan (HASP) and that necessary personal protective equipment (PPE) is available and properly utilized. These activities are

supported by experienced project managers and Licensed Remediation Specialists (LRSs) with decades of experience in CERCLA, RCRA, and WVDEP programs, including direct coordination with regulatory agencies and oversight of field activities at complex contaminated sites.

Through this sustained effort, KEMRON has demonstrated its ability to effectively interface with WV811 systems, coordinate with multiple stakeholders, track and respond to dig tickets, and provide critical environmental and safety guidance.

2.4 Tax Parcel Monitoring and Management

KEMRON's extensive experience monitoring and managing tax parcel information for ownership transfers, parcel splits, and parcel mergers is demonstrated by work on the Southside Chattanooga Lead project, whereupon KEMRON maintained parcel identifiers, boundaries, ownership records, and documented changes for over 500 properties in Chattanooga, Tennessee. The work included development of a tablet-enabled field data management system that associated information collected in the field with the applicable property, work area, decision unit, sample location, or remedial activity. Standardized digital forms captured observations, photographs, signatures, and work status, while prepopulated identifiers and validation rules support consistent location-based records. The Southside Chattanooga Lead project is among numerous projects conducted by KEMRON that required monitoring and management of tax parcel data.

DAVID R. PITZER
REGIONAL MANAGER

Education

BA Geography – Urban and Regional Systems, Ohio State University, 2004

Professional Licenses/Training/Certifications

OSHA 29 CFR 1910.120 40-Hour Health and Safety Training
OSHA Annual Refresher Training
10 hr. OSHA Construction Outreach Training
American Red Cross First Aid / CPR / AED
FEMA IS-00700 National Incident Management System
FEMA IS-00005 An Introduction to Hazardous Materials

Total Years' Experience

21 with Current Firm

Special Qualifications / Basis for Selection

Over 21 years' experience in geographical information systems. Currently the Regional Manager at KEMRON's Marietta, OH, location. Has held positions with Ohio Department of Natural Resources-Division of Water as a GIS Intern and the Ohio Department of Agriculture as a GIS Specialist. Possesses a strong background in geographical information systems and data management and working relationship with local/state/federal agencies. Experience extends into the field as well including groundwater sampling activities while using various sampling equipment.

SELECTED PROJECT EXPERIENCE

GIS Specialist, Southside Chattanooga Lead Project, Chattanooga, TN. Developed an integrated, tablet-enabled field data management system to connect field activities directly with project records, GIS, quality control, reporting, and management oversight. Established automated processes to synchronize related records, advance workflow status, and reduce the need to manually enter the same information into multiple tracking systems. The workflow was applied to processes including property access authorization, pre-remedial documentation, property walk-through acknowledgements, remedial activity tracking, and final completion documentation. As information was submitted, current work statuses, completed activities, outstanding requirements, and locations requiring follow-up were reviewed via the data management system, to provide the client a more consistent and traceable project record.

GIS Specialist, USARC, Kings Mill, OH. 6/2009 – 1/2011. Provided required figures for reports which represented the site outline along with

monitoring well locations and sampling areas and remediation system monitoring. Participated in field work for groundwater sampling for on-going monitoring.

GIS Specialist/Scientist II, USARC, Marion, OH, Site. 1/2006 – 1/2011. Provided field supervision for the surveying of onsite monitoring wells and test pits and instructed the site health and safety plan. Manipulated data and created figures for the site investigation. Developed figures, displayed various analytes, and showed the data at different depths.

GIS Specialist, USARC, Kings Mill, OH. 6/2009 – 1/2011. Provided required figures for reports which represented the site outline along with monitoring well locations and sampling areas and remediation system monitoring. Participated in field work for groundwater sampling for on-going monitoring.

GIS Specialist, USARC, Pier 23, Tacoma, WA. 2/2006 – 7/2008. Assisted the KEMRON's Chicago office with figures of the site while illustrating desired information for needed evaluation. Organized data and figures to correspond to reports. Assisted with database management for analyzing data and producing final data output for various reports. This project is still in progress.

GIS Specialist/Scientist II, RRAD, Texarkana, TX. 3/2006 – Present. Provided data management support while administrating the SCRIBE program that managed field data into a database for various uses. Along with data management, created numerous figures for reports and for site-wide field use. Figures represented well locations, potentiometric surface figures, utility drawing, and general site navigational maps. Field activities consisted of sediment location and sampling, water levels, groundwater sampling, and decontamination. During field activities, acted as Lead Sampler and Site Supervisor. Used field equipment including YSI, bladder pumps, HydraSleeve, and decontamination materials. The project is still in progress.

Scientist II, PPG, WV. 2008 – Present. Assisted with groundwater sampling at specified well locations. Operated equipment such as YSI on location for sampling purposes.

Scientist II, Solvay Polymers, Marietta, OH. 1/2008 – Present. Provided technical support in the field while conducting water levels and sampling. During the field activities, used hand bailers and YSI while maintaining field data sheets.

GIS Specialist, Shell Lubricants, 7/2010. Created and produced site figures for the area of concern and gave geographical reference for tank demolition.

GIS Specialist, Verizon, Michigan Site, 8/2008. Provide required referenced figures for the Staff Scientist. Figures consisted of site drawings with parcel outlines and demonstrated land uses. Some figures showed soil boring locations and transportation access points.

GIS Specialist, EAKER Air Force Base. 1/2006 – 8/2007. Managed and manipulated field and lab data in formats specified by the client. Worked with various data processing programs including Excel, Access, and ERP-Tools (program provided by the Air Force Center for Environmental Excellence);

GIS Specialist, USARC, Oakland, CA. 1/2006 – 1/2008. Provided GIS technology to the excavation/remediation for a Remedial Action Plan. Took various data layers and coordinated them to present a comprehensive drawing showing the preeminent excavation/remediation plan.

GIS Specialist, AK Steel, various sites in OH, on-going. Providing GIS technology to present various site-wide maps to show numerous focal points. The GIS product will be used by KEMRON and by the client for regulatory reasons. Conducted field activities including involvement in boring/monitoring well location, supervision of surveying event, soil sampling in the riparian region of the site, and collected groundwater elevation readings.

Scientist II, AES, 2015. Co-Lead scientist for low-level mercury and various other NPDES sampling. Worked with ISCOs and Ph meters to record necessary data required for NDPDES permitting. Trained to perform low-level mercury sampling.

GIS Specialist/Scientist II, Ford Motor Company, 7/2015 – 9/2015. Created figures for site-wide representation of data. Along with representation, presentation of new borings were

created for continuing evaluation of the site. Involvement in groundwater events have occurred since 2007. Used disposable bailers and a YSI to collect current groundwater readings during sampling. Acted as Lead Sampler during all groundwater sampling events.

GIS Specialist, Fort Lewis, WA. 5/2009 – 4/2012. Created and manipulated figures for various draft and final reports. Manipulated previously created figures created by other contractors to represent data in a manner requested by KEMRON's Project Manager.

GIS Specialist, Ft. Meade, MD. 7/2009 – 10/2011. Manipulation and data finalizing of soil and water data using the ERIS program. Worked with KEMRON's Marietta, OH, to complete the project.

GIS Specialist/Scientist II, various Phase I projects, Created figure representing the location of the Phase I project on a topographic map that is required for completion of the format of the Phase I.

GIS Specialist/Scientist II, Various Phase II projects, Created figures illustrating site-wide data and location data. Along with the creation of figures, conducted data management from sampling data conducted on-site. Participated in field work on various Phase II sites.

Scientist III, AEP. Assisted with groundwater sampling at specified well locations. Operated equipment including YSI on location for sampling purposes.

Scientist III, Kraton Polymers, 2/2006 – Present. Co-Lead Scientist for low level mercury and various other NPDES sampling. Working with ISCOs and Ph meters to record necessary data required for NDPDES permitting. Trained on performing low level mercury sampling and trained other technicians on the sampling procedures.

GIS Specialist, Ft. Eustis, Newport New, CT. 3/2008 – 3/2012. Supported numerous KEMRON offices for the completion of reports relating to the site. Created and modified figures that illustrate AOCs and figures for presentations. Created spatial databases for GPS field work.

GIS Specialist, Ft. Carson, CO. 3/2010 – 12/2010. Supporting the joint venture with weekly GIS updates of field clearance to joint venture

Project Manager. Assisted with sampling locations for field personnel and provided GIS support for sampling planning and completion.

GIS Specialist, WERS, 1/2008 – 8/2010. Continued GIS support for proposal and awarded contracts. Assisted Project Managers in completion of contracts.

GIS Specialist, DSO Project, 2009. Provided GIS support for pre-construction for the site's remediation. Creation of conceptual illustrations for use by project managers and field technicians.

GIS Specialist, Private client, Creation and modification of GIS illustrations for presentations needed in a court of law. Continuing support for the client to fulfill all needs needed for civil case.

GIS Specialist, Lackland AFB, TX. 12/2010 – 1/2014. Provided GIS support for pre-construction for the site's remediation. Creation of conceptual illustrations for use by project managers and field technicians.

GIS Specialist/Database Manager. Provide GIS support for pre-construction for the site's remediation. Creation of conceptual illustrations for use by project managers and field technicians. Create and maintain a working database that is used by field crews for the completion of field work.

GIS Specialist, AK Steel, Dicks Creek. 10/2012 – Present. Provide GIS support for pre-construction and post-construction to the field and office staff. Creating various GIS outputs for reports and analysis during the working project. Calculating volume estimates from field captured data as well as providing field staff with geospatial data. Along with geospatial data, managing parcel owner data for the client.

GIS Specialist, AK Steel, SWMU 38/39, 3/2013 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes.

GIS Specialist, AK Steel, Tex-Tube, 11/2012 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes.

GIS Specialist, AK Steel, GBL. 11/2012 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes.

GIS Specialist, Fort McClellan, AL. 12/2011 – 6/2012. Created and manipulated figures for various draft and final reports. Manipulated previously created figures created by other contractors to represent data in the manner that was requested by the project manager for KEMRON.

GIS Specialist, Camp Siebert, AL 7/2015 – 8/2016. Created and manipulated figures for various reports. Provided parcel information/illustrations imperative to the pre-construction work onsite. Provided technical support and geospatial data to field staff.

GIS Specialist, Well 12a, Tacoma, WA. 6/2009. Creation and modification of GIS illustrations and data. Created illustrations used for numerous reports and for decision making purposes.

GIS Specialist, UXO-7, Crane, IN. 2/2007 Provided GIS support for pre-construction for the site's remediation. Creation of conceptual illustrations for use by Project Managers and Field Technicians.

GIS Specialist, Fort Sheridan, IL. 3/2006 – Present. Creation and modification of GIS illustrations and data. Created illustrations used for numerous reports and for decision-making purposes.

Scientist IV, AMP, OH. Provided logistical and spatial assistance with river monitoring. Utilize GIS for decision making purposes regarding field sampling.

GIS Specialist, Cherokee Nitrogen, AL. 6/2012. Provided GIS support for pre-construction for the site's remediation. Creation of conceptual illustrations for use by project managers and field technicians. Created and maintained a working database used by field crews for the completion of field work.

GIS Specialist, Zoetis, 8/2014. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports.

GIS Specialist, CES, OH and WV, 7/2012 – 11/2015. Creation and modification of GIS illustrations and data. Created illustrations used by project managers.

Environmental Scientist, AK Steel, Ashland, insert state, On-going. Conduct groundwater sampling requirements by EPA and the client. Conducted aerial volumetric measures with use of drone technologies for stockpile volume calculations. Assisting with cost estimating and SPCC auditing on-site.

GIS Specialist, AK Steel Ashland, /2012 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes.

GIS Specialist, Fort Jackson, SC. 11/2014 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes.

GIS Specialist, Anniston Army Depot, AL. 4/2016 – Present. Creation and modification of GIS illustrations and data. Creating illustrations used for numerous reports and for decision making purposes. Manipulating aerial images resulting in georeferencing images for spatial analysis.

GIS Specialist, INEOS, 4/2017. Utilized CADD and GIS to provide the client with 1'=400' site map required for permitting. Created geodatabases for spatial data included in the required output.

GIS Specialist, MIBA, McConnelsville, OH. 5/2011 – Present. Providing various CADD outputs required for facility permitting.

Scientist IV, SABIC, WV. 4/2009 – Present. Conduct sampling for stormwater and treatment system monitoring.

GIS Specialist, Century Aluminum, Sebree, KY. 6/2013. Creation and modification of GIS illustrations and data. Created illustrations used for numerous reports and for decision-making purposes.

GIS Specialist, AK Steel-Zanesville, OH, 1/2014 – Present. Creation and modification of CADD drawings for SPCC requirements.

GIS Specialist, AK Steel, Coshocton, OH. 1/2014 – Present. Creation and modification of CADD drawings for SPCC requirements.

GIS Specialist, AK Steel, Dearborn, MI. 8/2015 – 11/2015. Creation and modification of CADD drawings for SPCC requirements.

GIS Specialist, Browns Asphalt, WV. Creation and modification of GIS illustrations and data. Created illustrations used for numerous reports and for decision-making purposes.

Scientist IV, Cytec, Solvay, NY. 3/2006 – Present. Manage and conduct O&M services on site-wide groundwater treatment system.

EMPLOYMENT HISTORY

KEMRON Environmental Services, Inc., 8/2024 – Present, Operations Manager. Responsible for serving as Regional Manager ensuring the locations covered are functioning at a high level and providing leadership to team members. Responsible for direction, scheduling and talent acquisition at the Marietta, Ohio, office. Responsible for business development, quality assurance, and resolving customer relations issues associated with the operation.

ZACH MCCARTNEY
GIS SPECIALIST/SCIENTIST

Education

B.A. Environmental Geoscience, Minor in Geographic Information Sciences, West Virginia University, 2018

Professional Licenses/Training/Certifications

40 Hour OSHA HAZWOPER, 2017
8 Hour Refresher, 2024

SELECTED PROJECT EXPERIENCE

GIS Specialist, Phase 1s and Various Sites, Atlanta, Georgia, July 2025 – Current

Creation and Modification of figures for Phase 1 sites and water resource surveys.

GIS Specialist, LSAAP HEBG Sifting, Fort Worth, Texas, July 2025 – Current

Creation and Modification of figures for MMRP work plans/proposals.

Data Manager, Oronogo Gypstack Remediation Capping, Jasper County, Missouri, July 2025 – Current

Processing EDDs, reviewing invoices, and completing stage 1 reviews on analytical data.

Data Manager, Fort Sheridan O&M LTM, Fort Sheridan, Illinois, August 2025 – Current

Processing EDDs, reviewing invoices, and completing stage 1 reviews on analytical data.

GIS Specialist/Data Manager, 57th and Broadway GETS/Soil Removal, Wichita, Kansas January 2025 – Current

Processing of EDDs, creation and modification of GIS figures, and managing data. Excavation quantity take-offs/volume calculations.

GIS Specialist/Data Manager, St Mary's Medical Center Groundwater Monitoring, Hobart, Indiana. January 2025 – Current

Processing of EDDs, creation and modification of GIS figures, and managing data. Figures utilized for quarterly reporting.

GIS Specialist/Data Manager, Par Mar Oil Company, Norton, WV. January 2025 – Current

Processing of EDDs, creation and modification of GIS figures, and managing data. Calculating plume volumes to identify underground flow rate of leaking contaminant.

GIS Specialist/Data Manager, RRAD OTC PRB Wall, Texarkana, TX. November 2024 – Current

Creation and modification of GIS figures that incorporated technical drawings as well as cross sections of well field layouts.

Figures used for reports, planning, and decision-making processes.

GIS Specialist/Data Manager, East Troy Contaminated Aquifer, Troy, OH July 2024 – Current

Performing analytical Stage 1 reviews and reviewing invoices, creation and modification of figures, CAD and GIS cross platform data management, calculating excavation volumes, reviewing property records and reviewing with county level officials

GIS Specialist/Data Manager, Cleveland Cliffs, Middletown, OH July 2023 – Current

Processing of EDDs and preparing tables, figures, and graphs of data taken from a landfill treatment system.

All deliverables used for reports that are completed monthly and quarterly.

GIS Specialist/Data Manager, Velsicol NDA Superfund Site, Toone, TN September 2023 – Current

Creation of well boring diagrams utilizing AutoCAD software. Processing of EDDs into database.

Diagrams used in project planning.

GIS Specialist/Data Manager, Orkin, Columbus, GA August 2023 – Current

Creation and modification of GIS figures as well as using GIS to calculate/predict excavation volumes. Figures used for reports and decision-making processes.

GIS Specialist/Data Manager, Hunter Army Airfield, Savannah, GA February 2023 – Current

Processing of EDDs, creation and modification of GIS figures, and managing data.

Figures used for RACR and annual reporting.

GIS Specialist/Data Manager, Cleveland Cliffs, Middletown, OH January 2024 – Current

Creation and maintenance of GIS that allowed live updates of excavation progress and laboratory results to a master figure. Processing of EDDs into spreadsheets to check pass/fail of PCB results.

Figure and table sent every weekday to provide consistent progress reporting.

Scientist V, Gavin Power, Cheshire, OH. September 2022 – Current

Field project work involving installed well pumps and collection of groundwater samples. Low flow sampling as well as Snap sampling experience.

GIS Specialist/Scientist II, RRAD WIA-Texarkana, TX. November 2023– Current

Creation and modification of GIS figures that incorporated technical drawings as well as cross sections of well field layouts.

Figures used for reports and decision-making processes.

GIS Specialist/Scientist II, RRAD-Texarkana, TX. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes.

Scientist III, Solvay Polymers, Marietta, OH. May 2023 – Current

Field project work involving installed well pumps and the collection of groundwater samples.

GIS Specialist, AK Steel (Various Sites). July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. Field project work involved low-flow sampling and the use of field equipment/instruments.

GIS Specialist/CAD, AK Steel, SWMU 38/39. August 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. Figure creation also involved the use of AutoCAD software in conjunction with ArcGIS software.

GIS Specialist, AK Steel, Tex-Tube. January 2023 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes.

GIS Specialist, AK Steel, GBL. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes.

GIS Specialist, Fort Jackson. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes.

GIS Specialist, Fort Gordon. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. The project also involved the use of kriging spatial analysis to predict site soil contamination.

GIS Specialist, Lima Refining Company. December 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. Utilized data research from multiple governmental services (USGS, NOAA)

GIS Specialist, Rock Spring Farm. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. Digital elevation model analysis is also used for decision-making.

GIS Specialist, Lone Star Army Ammunition Plant. July 2022 – Current

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes.

GIS Specialist, Smokey Mountain Smelters. April 2023 – May 2023

Creation and modification of GIS figures as well as managing data and database information. Figures used for reports and decision-making processes. Creation and modification of CAD files that involved conversion between CAD and ArcMap file formats.

EMPLOYMENT HISTORY

Dominion Energy (August 2021 – July 2022), GIS Technician:

In this position, Mr. McCartney was responsible for processing GIS work orders through an email request system. The work involved the creation and modification of gas pipeline/property GIS data utilizing 'Smallworld' software. The position required knowledge of pressure systems and construction material attributes.

Zoetis, Inc (October 2020 – August 2021), QC Laboratory Technician:

In this position, Mr. McCartney was part of an FDA-regulated, quality

control laboratory. His job required him to perform several different laboratory analyses. These included determining the density, moisture content, and spectral profile of the product for final approval to be sold.

Mott MacDonald (June 2018 – Oct 2020), Scientist 2: In this position, Mr. McCartney was responsible for work in several different areas of the environmental consulting field. He was the primary contact and field staff for third-party sampling and testing of the Pittsburgh Water and Sewer Authority lead pipe monitoring program. He also was

responsible for aboveground storage tank figure creation for oil and gas clients.

WV GIS Technical Center (January 2018 – June 2018), GIS Data Technician: In this position, Mr. McCartney was responsible for digitizing and georeferencing WV DOT road plans and creation and modification of assets on the WV state trail website. The position utilized ArcGIS software and involved capturing GPS data with Trimble field equipment.

TERRY L. WILFONG, JR.
REGIONAL MANAGER, SENIOR PROJECT
MANAGER, PROGRAM MANAGER

Education

BS Environmental Protection/Science, West Virginia University, 1997

MS Environmental Science, Marshall University, anticipated graduation 2026

Professional Licenses/Training/Certifications

Licensed Remediation Specialist under West Virginia Voluntary Remediation and Redevelopment Act (#169)

40 Hour OSHA Hazardous Waste 29 CFR 1910.120

16-Hour OSHA Refresher Course 29 CFR 1910.120

8-Hour OSHA Refresher Course 29 CFR 1910.120

8-Hour Management/Supervisory OSHA 29 CFR 1910.120 (e)(4)

Cross-connection Backflow Prevention

First Aid, Adult CPR

WV Department of Environmental Protection Well Driller Certification (#WV00314)

WVDEP Class on EPA Method 5035

Kentucky Certified Remediation Contractor (#1385)

IATA Hazardous Material Shipping

Cross-connection Backflow Prevention

Total Years' Experience

27 with Current Firm **5** with Other Firms

Special Qualifications / Basis for Selection

Regional Manager in charge of the management of technical and administrative issues at KEMRON's Charleston, WV, office. Responsible for business development, quality assurance, and customer relations issues associated with the office. Experience in various regulatory programs, due diligence, UST/AST compliance and remediation, site investigation, remediation system design, in-situ remedial injections, and management of multi-project portfolios. Specialties include due diligence, underground storage tanks, and management of multi-project portfolios. Responsible for direction, preparation, scheduling, and implementation of field activities at several retail petroleum facilities, industrial sites, and commercial facilities, WV Voluntary Remediation and Redevelopment Sites, EPA Brownfields Sites, and CERCLA Superfund Sites throughout the US. Extensive experience in coordination and evaluation of site investigation activities including assessment of adsorbed, dissolved, LNAPL, DNAPL, and vapor-phase impacts. Responsibilities include installation, monitoring, and maintenance of remediation systems including pump and treat, LNAPL recovery, soil vapor extraction, air sparging, bioremediation systems, and mobile enhanced vacuum extraction units. Field work includes RCRA, CERCLA and LUST field investigation, field screening, monitoring well installation, UST removal, and contractor oversight

during remediation activities. Experienced with remedial testing, pump tests, vacuum extraction tests, sparge tests, and rising head tests. Performed numerous Phase I ESAs and Phase II assessments for various private clients for potential real estate transactions in several states. As a WVDEP UST Certified Class B Remover, has provided oversight or coordinated >50 UST system removal/closures. Professional career began in 1998 as an Environmental Technician and has managed the investigation, remedial strategy, implementation of corrective actions and closure of >100 Leaking UST sites in his career.

Technical experience also includes management, direction, and implementation of Voluntary Remediation/Brownfields sites; RCRA Facility Investigations under RCRA Corrective Action programs and management of field activities at a CERCLA Superfund site. Currently serving as a Licensed Remediation Specialist under the West Virginia Voluntary Remediation and Redevelopment program. Extensive experience with risk-based corrective action and remedial evaluation including the use of fate and transport modeling, vapor intrusion modeling and development of site-specific target levels.

SELECTED PROJECT EXPERIENCE

Project Manager/Field Coordinator, Assessment and Cleanup Activities, EPA Brownfields Site, Client, Barboursville, WV. Served as Project Manager for site assessment and remediation activities on a former brick manufacturing facility/property under the West Virginia Voluntary Remediation and Redevelopment Program. Responsible for the management of field activities including site assessment, groundwater monitoring wells installation, groundwater sampling, human health and ecological risk assessment preparation, and remedial action evaluation and implementation. Following implementation of risk-based corrective actions and implementation of an Environmental Restrictive Covenant, the site received a Certificate of Completion. Site COCs included VOCs, SVOCs, Metals, and PCBs.

Project and Field Coordinator, EPA Hazardous and Petroleum Brownfields Assessment Grants, Nitro, WV

Served as Project and Field Coordinator for administration of one \$200,000 EPA Petroleum Brownfields Assessment Grant and two \$200,000 EPA Hazardous Brownfields Assessment Grant

projects in and around the City of Nitro. KEMRON completed this work in conjunction with their subcontractors Environmental Resources & Consulting, LLC (ERC) and Stromberg/Garrigan & Associates (SGA). These Brownfields Assessment Grant projects involved inventory and prioritization of hazardous and petroleum sites. The site inventory and prioritization processes were completed, and 54 hazardous sites and 54 petroleum sites were identified in and around the City of Nitro.

Eliminated all ineligible petroleum and hazardous sites identified through the site inventory process due to various factors including CERCLIS listing, NPL Listing, Outside Survey Area, Cannot Locate/Not Valid Site Location, and Priority 1 WVDEP Petroleum Site (High Priority). Property Approval Questionnaires were submitted to EPA Region 3 for one potentially eligible petroleum site and three potentially eligible hazardous sites.

A Property Approval Questionnaire was completed for each potentially eligible site and submitted to the EPA Region 2 Brownfields Coordinator for approval. EPA Region 3 approved the Property Approval Questionnaires for the one petroleum site and three hazardous sites and issued a Site ID number for each site. Site-specific Access Agreements were obtained from the property owners. Following receipt of the executed Access Agreements, Phase I ESAs were conducted on each site. Phase II ESAs were conducted at two hazardous Brownfields sites based upon the Phase I ESA findings and redevelopment potential.

Project Manager/Licensed Remediation Specialist, VRP Activities, Large Medical Facility, WV

Serving as Project Manager and Licensed Remediation Specialist for site assessment, risk assessment and remediation activities at a large 122-bed facility medical facility with inpatient and outpatient care, emergency services, surgical care, and diagnostic services. Contaminants of concern are sourced by current and historical operation of petroleum underground storage tanks and the disposition of medical incinerator ash and construction debris on-site. Management of the site remediation conducted through the WVDEP Voluntary Remediation and Redevelopment Act Program with oversight by EPA representatives in accordance with the PCB Regulations under the Toxic Substances Control Act of 1976.

Project Manager/Licensed Remediation Specialist, VRP Activities, Former Scrap Metal Recycling/Processing Facility, WV

Serving as Project Manager and Licensed Remediation Specialist for site assessment, risk assessment and remediation activities, including PCB removal actions, at a former scrap metal recycling/processing facility in a heavily industrialized area. Contaminants of concern include semi-volatile organic compounds, metals, trichloroethylene and PCBs. Management of the site remediation is being conducted through the WVDEP Voluntary Remediation and Redevelopment Act Program with oversight by EPA representatives in accordance with the PCB Regulations under the Toxic Substances Control Act of 1976.

Licensed Remediation Specialist, Former Railroad Rail and Maintenance Yard , WV

Served as the Licensed Remediation Specialist for site assessment and risk assessment activities at a former railroad rail and maintenance yard being redeveloped as a shopping plaza/strip mall being managed in the West Virginia Voluntary Remediation and Redevelopment Program (VRP). Activities included preparation of an application to participate and VRP Agreement and development of a Sampling and Analysis Work Plan. Provided guidance during site investigation activities and preparation of a Supplemental Site Assessment Report. Site COCs included volatile organic compounds (methyl tert-butyl ether and naphthalene), semi-volatile organic compounds, metals, and mercury. Following activities, a Certificate of Completion was issued, and non-residential land use restrictions were removed allowing potential development of hotels on the property.

Licensed Remediation Specialist, Former and Current Retail Petroleum Facilities, WV

Served as the Licensed Remediation Specialist for site assessment and risk assessment activities at numerous former and current retail petroleum facilities that are being managed in the West Virginia Voluntary Remediation and Redevelopment program. The program enabled the use of risk-based corrective action levels for remedial goals to facilitate property redevelopment through remediation, use of engineering controls, and environmental restrictive covenants. COCs evaluated included VOCs, SVOCs, Metals, PCBs, and dioxins.

Project Director/Licensed Remediation Specialist, VRP Activities, Former Service Station Property, Chauncey, WV

Served as Project Director and Licensed Remediation Specialist for site assessment and remediation activities at a former service station property under the West Virginia Voluntary Remediation Program (VRP). The Chauncey area surrounding the subject property had recently been the subject of increased media attention and investigations by both WVDEP and the EPA.

Project Director, Site Assessment/VRP Activities, Former Service Station, Ceredo, WV

Served as Project Director for site investigation activities to define the nature and extent of soil and groundwater impacts at a former service station property. Directed site investigations activities at the site on behalf of the new property owner under the WVDEP UST program, including Geoprobe soil and groundwater investigations, and groundwater monitoring well installation and sampling.

Project and Field Coordinator, VRP Landfill Site, WV

Served as Project and Field Coordinator for site investigations and corrective actions at a municipal/industrial landfill being addressed under the West Virginia Voluntary Remediation and Redevelopment Program (VRRP). VRRP activities were jointly addressed by an industrial landfill contributor and a local municipality. Project activities included development of an historical site profile, assistance with VRRP application preparation, Site Assessment Workplan preparation, Sampling and Analysis Plan (SAP) preparation, geophysical investigations to define the extent of landfill wastes, groundwater monitoring well installation, soil/waste/groundwater sampling, excavation and disposal of landfill wastes from surrounding residential properties, landfill capping, citizens advisory panel participation, and coordination with industrial client, local municipality, local residents, and WVDEP Office of Environmental Remediation.

Project Manager, Mercury-Containing Flooring Abatement, Tertiary Educational Institution, WV,

Responsible for the evaluation, design and coordination of mercury containing flooring material abatement within a college student recreation facility. Activities included the assessment and repair of drainage issues within

the structure; assessment of flooring materials damaged by water; identification and containerization of mercury containing polyurethane base flooring material beneath the gymnasium flooring; planning and coordination of flooring removal (including abatement of mercury-containing polyurethane); and the design and coordination of an air monitoring program to ensure student safety within the recreation center during abatement.

Project Manager, Pilot Testing O&M, Superfund Site, WV

Responsible for the management of field activities including groundwater sampling, remedial system construction, operation and maintenance, and evaluation of pilot test data to determine final remedy for groundwater impacts at a CERCLA Superfund site. Remedial technologies evaluated through pilot test activities included Bio-sparging as well as peroxide, sodium persulfate and ozone Injection. Also responsible for site management including protection of human health and environment, off-site property access negotiations, site security, disposal of IDW, and incidental construction support.

Project Manager, AST Product Removal and Cleaning TO, US Army Corps of Engineers, US General Services Division, Fort Detrick, Fredrick, MD

Project Manager for the removal of approximately 2,000 gallons of diesel, subsequent cleaning and closure of a 250,000-gallon above ground storage tank (AST) and the removal of approximately 82,000 gallons of #6 heating oil, subsequent cleaning and closure of a 650,000-gallon AST. Responsible for preparing a Work Plan, including Project Management Plan, Quality Control Plan, and Site-Specific Health & Safety Plan/Accident Prevention Plan. Due to the high viscosity of the #6 heating oil, reconnected former steam heating piping to the 650,000-gallon AST and designed a shop built portable heating coil to liquefy the heating oil so that it could be pumped to a heated frac tank and subsequently transported off-site for recycling.

Program Manager, Par Mar Oil Company, Little General Stores, and Union Carbide/DOW, Retail Petroleum and Industrial Sites in WV, OH, KY, PA, TN, and GA

Managed budgets, prepared cost estimates, project reporting, project coordination, project reimbursement, and performed environmental regulatory coordination at numerous retail

petroleum sites in WV, OH, KY, PA, TN, and GA (Par Mar Oil Company, Little General Stores, Par Mar Stores) and industrial facilities for Frontier (14 state region), and Union Carbide/DOW.

Program Manager, Client, BOS 200® Injections, WV, OH, KY

Supervised, coordinated, and directed a team of personnel to implement BOS 200® Carbon Trap and Treat Technology at numerous leaking UST sites. Negotiated corporate relationship with product inventor to advance KEMRON as an independent injection contractor. Activities conducted as part of BOS 200® injections included the implementation of a remedial design characterization, analysis of multiple soil and groundwater samples throughout the vertical and horizontal extent of the areas of impact, injection design and high-pressure injection of BOS 200®, microbial inoculations, and nutrient supplements.

Task Manager, Joint Base Myers, US Army Corps of Engineers, Baltimore District, Arlington, VA

Served as Task Manager for all activities associated with the assessment and closure of four underground storage tank (UST) systems located at Buildings 227, 205, 307 and 313 in Joint Base Myers – Henderson Hall. All work was conducted on behalf of the U.S. Army Corps of Engineers (USACE), Baltimore District as part of a fixed priced remediation (FPR) project under a performance-based acquisition (PBA). The task/delivery order for activities was issued under KEMRON's Multiple Award Environmental Services Contract and included provisions for the delineation of contaminants in subsurface soil surrounding three underground storage tanks (USTs), closure-in-place of one UST, removal of three USTs, and excavation and disposal of contaminated soil. Facilitated the preparation of the Project Management Plan; the Work Plan (including the Sampling and Analysis Plan (FSP and UFP-QAPP), the Accident Prevention Plan, Storm Water Control/Storm Water Management Plan and Waste Management Plan); and the site investigation and UST Closure Report following activities. Coordinated all field activities for the project.

Project Manager, Fort Detrick, US Army Corps of Engineers, Baltimore District, Frederick, MD

Managed all field activities associated with the closure of two 20,000-gallon, number 6 heating oil underground storage tanks (USTs) at Fort Detrick. Activities conducted as part of closure activities

included the excavation, shoring, removal, cleaning and scrapping of the two 20,000-gallon USTs; removal, cleaning and scrapping of two steel above ground storage tanks (ASTs); demolition of AST secondary containment basins; cleaning, removal, and disposal of approximately 300 feet of four inch insulated steel product line and two inch insulated steel steam line; excavation, transport, and disposal of approximately 900 tons of petroleum impacted soil; recovery, transport, and disposal of approximately 5,000 gallons of petroleum impacted groundwater; and backfill and reclamation. Activities resulted in a successful tank closure and closure of a pre-existing environmental leak.

Project Manager/Site Supervisor, Parkersburg Federal Building in Parkersburg, WV; Abingdon Federal Building in Abingdon, VA; and US Forest Service Building in Elkins, WV; General Services Administration

Project Manager for UST closure/closure-in-place services at five facilities. Provided direct oversight of UST closure-in-place activities. Prior to conducting UST closure-in-place activities, conducted site investigation activities to determine the presence/absence of subsurface impacts utilizing Geoprobe® direct-push technology. Closure-in-place activities included the removal of product from the UST, purging the UST until the internal UST atmosphere reached a lower explosive limit of <10%, and to remove the tank bottoms, sludge, and rinsate from the UST followed by filling the UST with concrete. Responsible for the day-to-day interaction with the client, ensuring work was completed in accordance with contractual requirements, compliance with schedule, and budgetary requirements.

Program Manager, Telecommunications Firm, WV

Served as Program Manager for site assessment, site remediation, and regulatory compliance activities for a major telecommunications firm over a 14-state region. Activities included coordination of emergency response efforts, UST compliance assistance, Phase I/II ESA, AS/SVE system O&M, groundwater monitoring, oversight and reporting activities related to the removal of waste oil containers and in-ground hydraulic vehicle lift system, cleaning and sampling of telecommunication manholes in commercial areas and waste characterization and disposal.

Program Manager, LUST Sites in WV, OH, KY

Served as Program Manager for environmental compliance activities at current and former retail petroleum facilities under the WVDEP LUST program, OSFM BUSTR and KYDEP USTB. Project activities included soil and groundwater investigations, monitoring well installation, excavation and off-site disposal of petroleum-impacted soil, pilot testing of potentially applicable in-situ remedial technologies, Corrective Action Plan preparation and implementation, remediation system design/installation/O&M, groundwater monitoring, and reporting and coordination with WVDEP and BUSTR.

Project Manager, Inactive Trucking Terminal, Union Carbide Corporation, WV

Participated in the development of the initial work scope for a remediation system O&M contract under RCRA post-closure monitoring requirements at an inactive trucking terminal (UCC PTO), formerly operated by a specialty chemical manufacturing company. Implemented the contract and served as Project Manager and Project Director for the first and subsequent annual contract periods. Project O&M activities included weekly, monthly, and quarterly site inspections in accordance with RCRA post-closure requirements and client requirements; semi-annual groundwater monitoring; O&M of groundwater pretreatment system; LNAPL recovery activities; and general site maintenance.

Field Manager, Union Carbide Marietta Superfund Site, EPA Region 5, Marietta, OH

Field management of groundwater monitoring well and recovery well installation activities under EPA Region 5 and OEPA oversight.

Field Technician, UST System Database Verification, United States Postal Service, VA and WV.

Served as Field Technician completing site visits at approximately 100 United States Postal Service Appalachian District facilities in West Virginia and Virginia to verify UST system information contained in the USPS Appalachian District tank system database. Updated the tank system database information based on field inspection findings.

Team Leader, Groundwater Sampling Program, Natural Gas Compressor Station

Implemented groundwater sampling program at natural gas compressor station. Coordinated RCRA groundwater sampling activities under strict

EPA Consent Order protocol and requirements. Served as Site Health and Safety Officer.

Engineering Technician, Natural Resources Conservation Service, WV

Assisted in drafting and design of acid mine drainage treatment facility using VCAD computer software. Other responsibilities included surveying channel modifications.

Field Technician, Site Investigation and Characterization, Ames Manufacturing, Parkersburg, WV

Utilized Geoprobe technology for characterization of soil and groundwater at the Ames manufacturing facility under WVDEP waste management guidance to evaluate potential releases in specific waste management areas.

Field Technician, Site Investigation and Characterization, Cleveland Hopkins International Airport, Cleveland, OH

Utilized Geoprobe technology for characterization of soil and groundwater at Cleveland-Hopkins International Airport as part of NEPA activities.

Field Manager, Remediation System Operation and Maintenance, OH and WV

Field management of groundwater remediation system O&M activities at retail petroleum LUST sites under the WVDEP and OSFM BUST LUST programs.

Field Manager, Recovery System Operation and Maintenance, Union Carbide PTO, Institute, WV

Field management of groundwater recovery system O&M activities at the Union Carbide PTO facility under RCRA post-closure requirements.

Field Technician, Site Investigation and Characterization, Speedway SuperAmerica, WV and OH

Utilized Geoprobe technology for characterization of soil and groundwater at an estimated 20 retail petroleum sites under the WVDEP and OSFM BUSTR LUST programs.

Staff Scientist, Remediation System Design, Installation and O&M, WV

Responsibilities included assistance with planning and implementation of coordinated pilot testing, design, and installation of air sparge/soil vacuum extraction (AS/SVE) systems at several retail petroleum facilities under the WVDEP LUST

program. Coordinated activities of field staff for groundwater monitoring, site investigation, and O&M efforts.

Staff Scientist, Groundwater Monitoring, RCRA Facility

Performed remediation system O&M at an inactive trucking terminal formerly operated by a chemical manufacturing company. O&M duties included RCRA groundwater sampling, groundwater pump and treatment system operations, product recovery, and groundwater monitoring under RCRA post-closure requirements.

Staff Scientist, RCRA Facility Investigation, EPA Region 2

Conducted an RFI subsurface investigation under the EPA Region 3 RCRA corrective action program for an inactive trucking terminal with DNAPL concerns in addition to soil and groundwater impacts. Project activities included soil and groundwater investigations using Geoprobe technology, surface water and sediment sampling in a nearby watercourse, groundwater monitoring, and field data preparation.

Staff Scientist, RCRA Facility Investigation, EPA Region 3

Conducted a RFI subsurface investigation under the EPA Region III RCRA corrective action program at an active Industrial plant with soil and groundwater impacts. Project activities included soil and groundwater investigations using Geoprobe technology, groundwater monitoring well installation, surface water and sediment sampling, groundwater monitoring, and field data preparation.

Staff Scientist, Risk Based Site Investigation and Reporting, OH

Conducted UST system closure activities and site investigations and reporting in accordance with Ohio Bureau of Underground Storage Tank Regulations 1999 Closure and Corrective Action Rules for approximately five active retail petroleum LUST sites.

Staff Scientist, CERCLA Facility, EPA

Conducted groundwater sampling at an EPA Superfund Site. Also conducted oversight for EPA dioxin sediment sampling at the site.

Staff Scientist, CERCLA Facility

Coordinated and conducted site activities at a CERCLA facility on behalf of a specialty chemical manufacturer associated with aquifer testing,

groundwater recovery well, and groundwater monitoring well. Calculated and reported monthly leachate collection and groundwater recovery discharge totals for flow to off-site treatment facility.

Engineering Technician, Natural Resources Conservation Service Kingwood, WV

Assisted in drafting and design of an acid mine drainage treatment facility. Received an Employee Spot Award for contribution to the project.

EMPLOYMENT HISTORY

KEMRON Environmental Services, Inc. (8/1999

– Present, Role/Position: Staff Scientist, Project Manager, Senior Project Manager, Program Manager, Regional Manager.

IT Corporation, (8/1998 – 2/1999), Environmental Scientist/Field Technician.

Fluor Daniel GTI, (8/1998 – 2/1999), Field Technician.

Parts America, (9/1995 – 8/1998) Assistant Manager.

Elder Beerman, (9/1994 – 5/1995) Loss Prevention, Human Resources Assistant Manager.

Natural Resources Conservation Service, (5/1994 – 5/1995) Engineering Technician

EVAN T. AMICK, LRS
STAFF GEOLOGIST/PROJECT MANAGER

Education

BS, Geology, West Virginia University, 2013

Professional Licenses/Training/Certifications

40-Hour OSHA Hazardous Waste 29 CFR 1910.120
8-Hour OSHA Refresher Course 29 CFR 1910.120
30-Hour OSHA Construction Safety and Health
8-Hour HAZWOPER Supervisor 29 CFR 1910.120
WVDEP Licensed Remediation Specialist #494
Virginia Licensed Professional Geologist #002571
Level I Antiterrorism Training
OPSEC Awareness for Military Members, DoD Employees and Contractors
USACE and NAVFAC Construction Quality Management for Contractors (CQM-C) #784
American Red Cross Adult First Aid/CPR/AED
OSHA Bloodborne Pathogens 29 CFR 1910.1030
HIPAA Compliance Training 45 CFR 160 and 164
WV Asbestos Inspector License # AI007896
WV Class B UST Worker #B2122
WV Class S Wastewater Operator #WVOP30849
WV Class H Wastewater Operator #WVOP30849
WV Certified Monitoring Well Installer # WV00671

Total Years' Experience

11 with Current Firm **2** with Other Firms

Special Qualifications / Basis for Selection

13 years' experience as a Staff Geologist and Project Manager with understanding of regulatory programs on both a state (West Virginia, Kentucky, Ohio, Virginia, Maryland, and Indiana) and a federal level. Specialties include site investigation, remediation, report preparation, and management of multi-project portfolios for private and federal clients. Responsible for direction, preparation, scheduling, and implementation of health and safety practices and field activities at several Underground Storage Tank (UST), Aboveground Storage Tank (AST), Voluntary Remediation/Brownfields sites, National Pollutant Discharge Elimination (NPDES) Permit, Title V and R-13 Operating Permit, and Wastewater Treatment Plant (WWTP) facilities in West Virginia and Ohio. Extensive experience in coordination and evaluation of site assessment and remediation of adsorbed, dissolved, LNAPL, DNAPL, and vapor-phase impacts at Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and Leaking Underground Storage Tank (LUST) facilities. Mr. Amick has a great working relationship with several West Virginia Department of Environmental Protection (WVDEP), Ohio State Fire Marshal Bureau of Underground Storage Tank Regulations (BUSTR), and United States

Environmental Protection Agency (USEPA) regulatory contacts.

Responsible for management and preparation of KEMRON WV office reporting workload including: Phase I and Phase II Environmental Site Assessment (ESA) reports, Voluntary Remediation Program (VRP) and Uniform Environmental Covenants Act (UECA) Site Assessment Reports, WVDEP Division of Air Quality (DAQ) Title V Operating Permit Monitoring Reports and Compliance Certifications, LUST Site Investigation Reports, Ohio State Fire Marshal Bureau of Underground Storage Tank Regulations (BUSTR) Site Investigation Reports, National Pollutant Discharge Elimination System (NPDES) Permit Discharge Monitoring Reports (DMRs), Monitoring Well Abandonment Reports, UST and Piping Closure Reports, Above Ground Storage Tank (AST) Closure Reports, Corrective Action Plans, Asbestos Inspection Reports and Spill Prevention Control and Countermeasure Plans.

Specific experience with risk-based corrective action and remedial evaluation including the use of fate and transport modeling and development of site-specific target levels. Field work includes RCRA, CERCLA and LUST field investigation, Health and Safety Plan (HASP) development and implementation, remediation injection, installation and operation of vapor and groundwater treatment systems, monitoring well installation, UST closure, soil and groundwater sampling, WWTP operation and maintenance, and asbestos inspection. Extensive experience conducting Phase I and Phase II ESAs for various private clients for potential real estate transactions and due diligence in several states. Currently serves as a Licensed Remediation Specialist under the West Virginia Voluntary Remediation and Redevelopment program and has extensive experience with risk-based corrective action and remedial evaluation including the use of fate and transport modeling, vapor intrusion modeling and development of site-specific target levels.

SELECTED PROJECT EXPERIENCE

Project Manager/Licensed Remediation Specialist, UECA, VRP, and EPA Brownfields Programs, Multiple Facilities, Month/Year – Month/Year. Serving as Project Manager for a number of facilities currently under the West Virginia Department of Voluntary Remediation, Environmental Protection Uniform Environmental Covenant Act, and EPA Brownfields

Redevelopment programs. Responsible for coordination of field activities, evaluating risk-based corrective action, and remedial evaluation including the use of fate and transport modeling and development of site-specific target levels, field investigation coordination, Site Assessment Report preparation, Risk Assessment and Data Validation coordination, remedial soil excavation coordination, and Land Use Covenant implementation and inspection.

Staff Geologist, RCRA Corrective Action, Multiple Facilities

Serving as Staff Geologist for a number of facilities currently under the Resource Conservation and Recovery Act Corrective Action Program. Responsible for field investigation coordination, subcontractor coordination, sample custody, and client and regulatory correspondence. Has assisted with Remedial Investigation (RI) and Data Summary reports for numerous sites.

Project Manager/Site Safety and Health Officer, BOS 200® Injection, Multiple Facilities (West Virginia)

Serving as Project Manager and Site Safety and Health Officer for numerous injections utilizing BOS 200® Carbon Trap and Treat Technology as a method of corrective action for subsurface releases of petroleum contaminants continuously from 2018 to present. Responsible for HASP development and implementation, site investigation, remedial action design, project direction, budgeting, development of work scope, project scheduling, compliance and correspondence, and field implementation. Activities conducted as part of BOS 200® injections include the implementation of a Remedial Design Characterization, analysis of multiple soil and groundwater samples throughout the vertical and horizontal extent of the areas of impact, injection design and high-pressure injection of BOS 200®, microbial inoculations and nutrient supplements.

Project Manager/Site Safety and Health Officer, West Virginia Department of Environmental Protection, UST Facilities (West Virginia and Ohio)

Serving as Project Manager and Site Safety and Health Officer for a number of active and former retail petroleum facilities currently under the West Virginia Department of Environmental Protection Leaking Underground Storage Tank program and the Ohio State Fire Marshal Bureau of Underground Storage Tank Regulations program.

Has assisted with and/or been responsible for HASP development and implementation, project direction, budgeting, development of work scope, project scheduling, compliance and correspondence at several sites in West Virginia and Ohio continuously from 2018 to present. Also responsible for field investigation and coordination, sample custody, client and regulatory correspondence, LNAPL Recovery Report preparation, Site Investigation Report preparation, Corrective Action Plan preparation, Corrective Action Implementation Report preparation, Discharge Monitoring Report preparation, Groundwater Monitoring Report preparation, UST Closure Report preparation, and Monitoring Well Abandonment Report Preparation for numerous facilities throughout West Virginia and Ohio.

Site Supervisor/Task Manager, AST and UST Facilities (West Virginia, Ohio, and Virginia), Month/Year – Month/Year.

Serving as Site Supervisor/Task Manager for a number of active and former UST and AST facilities including U.S. Army Corps of Engineers (USACE) projects under Performance Based Acquisitions (PBAs). Responsibilities included field investigation, AST and UST closure oversight, assistance with preparation of the Project Management Plan, Work Plans (including the Sampling and Analysis Plan (FSP and UFP-QAPP), Accident Prevention Plans, Storm Water Control/Storm Water Management Plans, Waste Management Plans. Was also responsible for Site Investigation, AST Closure, and UST Closure Reports following field activities.

Project Manager/Site Safety and Health Officer, Waste Water Treatment Plant Operation Portfolio (West Virginia)

Serving as Project Manager for a number of wastewater treatment plant facilities. Actively manages operation, maintenance, and site health and safety at a total of 13 West Virginia WWTP sites from 2015 to present. Activities include management of weekly operation and maintenance of operating components and effluent water quality monitoring, Health and Safety Plan development and implementation, work plan preparation, client and contractor coordination, eDMR preparation, regulatory correspondence and coordination of quarterly compliance monitoring events. Has assisted with keeping facilities in compliance with NPDES Permit monitoring requirements for eight (8) years.

Task Manager, WVDEP Industrial NPDES Permit Management and Reporting, NPDES Permit Portfolio (West Virginia), Month/Year – Month/Year.

Serving as Task Manager for all activities associated with Industrial NPDES Permit Management and Reporting for numerous sites in West Virginia. Responsibilities include assistance with facility compliance with NPDES Permit procedures, NPDES Reissuance Application preparation and submittal, HASP implementation, preparation of Discharge Monitoring Reports, client and regulatory coordination, implementation of field and sampling procedures, development of work scope, project scheduling, and compliance and correspondence in accordance with NPDES Permit requirements.

Project Manager/Site Safety and Health Officer, Par Mar Facility #140, WVDEP LUST Investigation and Sodium Persulfate Injection, (West Virginia)

Serving as Project Manager and Site Safety and Health Officer for investigation and in-situ injection of a sodium persulfate-based catalyst as a method of corrective action for subsurface release of petroleum contaminants continuously from 2019 to present. Responsible for HASP implementation, site investigation, remedial action design, project direction, budgeting, development of work scope, project scheduling, compliance and correspondence, and field implementation. Also responsible for preparing the Corrective Action Plan (CAP), Rule Authorization, Corrective Action Implementation Report, and submittal of documents to the applicable regulatory authority.

Project Manager, West Virginia State Parks, WVDNR WWTP Assessment and Monitoring

Serving as Project Manager for West Virginia Division of Natural Resources (WVDNR) contract for Wastewater Treatment Plant Assessment and Monitoring activities at 23 State Parks in West Virginia. Responsible for HASP implementation, assessment and monitoring of 23 wastewater treatment plants, review of Discharge Monitoring Reports with WVDNR personnel, client and regulatory coordination, project direction, budgeting, development of work scope, project scheduling, compliance and correspondence, and field implementation in accordance with contract requirements. Also responsible for preparation of contract required deliverables including inspection checklists, field documentation, and Quarterly Reports of Plant Operations.

Project Manager, IDEM Leaking UST Section, Office of Land Quality Release Investigation and Remediation, St. Mary Medical Center, Hobart, Indiana

Serving as Project Manager for investigation and remediation of a release of diesel fuel at St. Mary Medical Center. Responsible for HASP implementation, site investigation, remedial action design, management and installation of an automated free product recovery system, management and coordination of pond sediment removal activities, project direction, budgeting, development of work scope, project scheduling, compliance and correspondence, and field implementation. Also responsible for preparation of quarterly corrective action and groundwater monitoring reports, regulatory and client correspondence, and implementation of field procedures for automated free product recovery system operation and groundwater monitoring activities.

Site Supervisor/Task Manager, Name of Client, AST Closure (West Virginia, Ohio, and Virginia)

Served as Site Supervisor/Task Manager for all activities associated with the assessment and closure of two (2) aboveground storage tank (AST) systems located at Buildings 29 and 447 in Joint Base Myer – Henderson Hall, Arlington, Virginia. All work was being conducted on behalf of the U.S. Army Corps of Engineers (USACE), Baltimore District as part of a Fixed Priced Remediation (FPR) project under a Performance Based Acquisition (PBA). The Task/Delivery Order (TO) for activities was issued under KEMRON's Multiple Award Environmental Services (MAES) Contract and included provisions for the removal of contents from each two (2) ASTs, cleaning of each AST, cutting and removal 300-gallon AST in basement of Building 29, removal of 2,000-gallon AST adjacent to Building 449; capping of piping for AST related components, soil sampling and groundwater sampling (if necessary), site restoration at the AST removal locations. Mr. Amick facilitated the preparation of the Project Management Plan; the Work Plan (including the Sampling and Analysis Plan (FSP and UFP-QAPP), the Accident Prevention Plan, Storm Water Control/Storm Water Management Plan and Waste Management Plan); and the AST Closure Report following activities. Additionally, Mr. Amick coordinated all field activities for the project.

Staff Geologist, RCRA Facility Investigation, Cleveland Cliffs Steel (Ohio)

Serving as Staff Geologist for Expedited RCRA Facility Investigation (RFI) at Cleveland Cliffs Steel in the area of former metals slag processing operations. Responsible for supervision, field coordination, and oversight during investigation including advancement of 24 environmental soil borings and installation of five (5) groundwater monitoring wells. Responsible for ensuring investigation activities were conducted in accordance with project specifications, supervision of soil boring and groundwater monitoring well installation, processing and sampling of site media, soil boring log preparation, and direct communication of field activities with the Project Manager. Assisted with Remedial Investigation (RFI) and Data Summary reports at the conclusion of field activities.

Staff Geologist, Calcium Polysulfide Injection, Smokey Mountain Smelter, Knoxville TN

Served as Staff Geologist for in-situ groundwater injection of a calcium polysulfide solution at Smokey Mountain Smelter Site in Knoxville, Tennessee as a method of remedial action for subsurface metals contamination. Assisted with field coordination and implementation pursuant the EPA-approved RAWP, client and regulatory correspondence, RAWP preparation, and remediation injection system operation and maintenance.

Staff Geologist/Task Manager, Title V and R-13 Operating Permit Management and Reporting, Charleston Area Medical Center, Charleston, WV

Serving as Staff Geologist and assisted with project management for activities associated with Title V and R-13 Operating Permits in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 C Requirements for Operating Permits. Primary responsibilities include preparation and submittal of Semi-Annual Title V Monitoring Reports, Annual Compliance Certifications, Permit Modifications, Annual Emission Inventory, Permit Reissuance Applications, Medical Waste Incinerator Data Summaries, and Incinerator Fly Ash and Bottom Ash Data Summary and Waste Profile Renewal Applications. Also responsible for client and regulatory correspondence and coordination of field activities.

EMPLOYMENT HISTORY

KEMRON Environmental Services, Inc. (1/2015–Present), Staff Geologist.

Responsible for management and preparation of KEMRON WV office reporting workload including: Phase I and Phase II Environmental Site Assessment (ESA) reports, Voluntary Remediation Program (VRP) and Uniform Environmental Covenants Act (UECA) Site Assessment Reports, WVDEP Division of Air Quality (DAQ) Title V Operating Permit Monitoring Reports and Compliance Certifications, LUST Site Investigation Reports, Ohio State Fire Marshal Bureau of Underground Storage Tank Regulations (BUSTR) Site Investigation Reports, National Pollutant Discharge Elimination System (NPDES) Permit Discharge Monitoring Reports (DMRs), Monitoring Well Abandonment Reports, UST and Piping Closure Reports, Above Ground Storage Tank (AST) Closure Reports, Corrective Action Plans, Asbestos Inspection Reports and Spill Prevention Control and Countermeasure Plans.

Potesta & Associates, Inc. (1/2013 – 1/2015), Environmental Technician

Responsible for subsurface soil and groundwater investigation; groundwater monitoring well installation, wastewater and stormwater sampling; schedule coordination; groundwater monitoring; construction oversight; preparation of groundwater monitoring reports, discharge monitoring reports, remedial action implementation; remedial injection; installation and operation of vapor and groundwater treatment systems; groundwater, surface water, soil, and air sampling; and asbestos inspection.