



March 13, 2013

West Virginia Purchasing Division / Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

**RE: Vickers (Butcher) Drainage Design
DEP16085 – Expression of Interest**

Dear Sir or Madam:

EcoStrategies Civil Engineering, PLLC (EcoStrategies) and its Sub-Consultant, FORECON, Inc. (FORECON) are pleased to provide this service packet to express our interest in performing engineering design services for the Vickers (Butcher) Drainage Design Project (DEP16085) located in West Virginia.

EcoStrategies and FORECON are small businesses with two offices located in Oak Hill and Elkins, West Virginia. We believe that our credentials and experience would be a great fit for this project. We can provide exceptional value to the Department of Environmental Protection, utilize our local resources, and offer competitive rates.

Please review the enclosed packet with attachments and feel free to contact me via phone at 716.664.5602 Extension 400 or e-mail at andyjohnson28@hotmail.com if you have any questions.

Respectfully,

A handwritten signature in blue ink that reads "Andrew R. Johnson". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Andrew R. Johnson, P.E., CPESC
Civil Engineer / Certified Professional in Erosion and Sediment Control

03/14/13 09:29:35 AM
West Virginia Purchasing Division



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

Solicitation

NUMBER

DEP16085

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

FRANK WHITTAKER
304-558-2316

RFQ COPY

TYPE NAME/ADDRESS HERE

Ecostrategies Civil Engineering, PLLC
1890 East Main Street
Falconer, New York 14733

V
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ENVIRONMENTAL PROTECTION
DEPARTMENT OF
OFFICE OF AML&R
601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

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DATE PRINTED

02/11/2013

BID OPENING DATE:

03/14/2013

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
VICKERS (BUTCHER) DRAINAGE DESIGN						
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE VICKERS (BUTCHER) DRAINAGE PROJECT IN LOGAN CO, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.						
***** THIS IS THE END OF RFQ DEP16085 ***** TOTAL:						N/A
SIGNATURE <i>Andrew R. John</i> TELEPHONE 716-664-5602 Ext. 400 DATE 03/12/2013						
TITLE Principal Civil Engineer		FEIN 46-2252464		ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "B"

PROJECT NAME Vickers (Butcher) Drainage Design		DATE (DAY, MONTH, YEAR) 12,03,2013		FEIN 46-2252464																																					
1. FIRM NAME EcoStrategies Civil Engineering, PLLC (Sub-Consultant: FORECON, Inc.)		2. HOME OFFICE BUSINESS ADDRESS 3418 East Main Street Oak Hill, WV 25901-9603		3. FORMER FIRM NAME Not Applicable (N/A)																																					
4. HOME OFFICE TELEPHONE 304.469.6950 (Oak Hill, WV office - closest to site) or Andrew Johnson Cell Phone = 716.664.1661.	5. ESTABLISHED (YEAR) 2013	6. TYPE OWNERSHIP Joint-Venture (with FORECON, Inc.)		6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO X																																					
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 1890 East Main Street, Falconer, NY 14733 / 716.664.5602 Ext 400 / Andrew Johnson AML Design Personnel = 6 in the Falconer, NY office and 2 support staff in Oak Hill, WV office.																																									
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Andrew R. Johnson (EcoStrategies Civil Engineering, PLLC)		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Brian Bullard, Director of Consulting Operations/Mining Plans (FORECON, Inc. / Phone: 716.664.5602 Ext. 303)																																							
9. PERSONNEL BY DISCIPLINE																																									
<table border="0"> <tr> <td>X ADMINISTRATIVE</td> <td>— ECOLOGISTS</td> <td>— LANDSCAPE ARCHITECTS</td> <td>— STRUCTURAL ENGINEERS</td> </tr> <tr> <td>— ARCHITECTS</td> <td>— ECONOMISTS</td> <td>— MECHANICAL ENGINEERS</td> <td>X SURVEYORS (unlicensed)</td> </tr> <tr> <td>X BIOLOGIST</td> <td>— ELECTRICAL ENGINEERS</td> <td>— MINING ENGINEERS</td> <td>— TRAFFIC ENGINEERS</td> </tr> <tr> <td>X CADD OPERATORS</td> <td>— ENVIRONMENTALISTS</td> <td>X PHOTOGRAMMETRISTS</td> <td>— OTHER</td> </tr> <tr> <td>— CHEMICAL ENGINEERS</td> <td>— ESTIMATORS</td> <td>— PLANNERS: URBAN/REGIONAL</td> <td></td> </tr> <tr> <td>X CIVIL ENGINEERS</td> <td>— GEOLOGISTS</td> <td>— SANITARY ENGINEERS</td> <td></td> </tr> <tr> <td>— CONSTRUCTION INSPECTORS</td> <td>— HISTORIANS</td> <td>— SOILS ENGINEERS</td> <td></td> </tr> <tr> <td>— DESIGNERS</td> <td>— HYDROLOGISTS</td> <td>— SPECIFICATION WRITERS</td> <td>— TOTAL PERSONNEL</td> </tr> <tr> <td>— DRAFTSMEN</td> <td></td> <td></td> <td></td> </tr> </table>						X ADMINISTRATIVE	— ECOLOGISTS	— LANDSCAPE ARCHITECTS	— STRUCTURAL ENGINEERS	— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	X SURVEYORS (unlicensed)	X BIOLOGIST	— ELECTRICAL ENGINEERS	— MINING ENGINEERS	— TRAFFIC ENGINEERS	X CADD OPERATORS	— ENVIRONMENTALISTS	X PHOTOGRAMMETRISTS	— OTHER	— CHEMICAL ENGINEERS	— ESTIMATORS	— PLANNERS: URBAN/REGIONAL		X CIVIL ENGINEERS	— GEOLOGISTS	— SANITARY ENGINEERS		— CONSTRUCTION INSPECTORS	— HISTORIANS	— SOILS ENGINEERS		— DESIGNERS	— HYDROLOGISTS	— SPECIFICATION WRITERS	— TOTAL PERSONNEL	— DRAFTSMEN			
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— DRAFTSMEN																																									
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>0</u> (Andrew Johnson is a PE in New York, waiting on reciprocity in West Virginia)																																									
*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.																																									
Andrew R. Johnson is a Civil Engineer licensed in New York State and is currently awaiting reciprocity in West Virginia. Estimated time is 1-2 months before license is received. Mr. Johnson is also a Certified Professional in Erosion and Sediment Control (CPESC), which is an international certification.																																									
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? X YES NO																																									

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

[illegible]

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

YES Description and Number of Projects:

FORECON, Inc. has been working in the mining industry for over 35 years and has completed approximately 140 Mining Plans, Mine Land Use Plans, and Mining Reclamation Plans. EcoStrategies has been teaming up with FORECON on mining projects and is currently assisting FORECON on six active mine sites in New York State. In addition, Andrew Johnson completed a large mining remediation project (multi-million dollar cleanup) in 2012 at a mine site located in Mountain Pass, California (see resume "Wastewater Pipeline Removal Project")

NO

B. Are your firm's personnel experienced in Soil Analysis?

YES Description and Number of Projects:

Andrew Johnson has formal training and experience in soil analysis. Mr. Johnson has completed dozens of environmental and water resource engineering projects that require soils analysis, sampling, testing, characterization, disposal etc. (see attached resume).

NO

C. Are your firm's personnel experienced in hydrology and hydraulics?

YES Description and Number of Projects:

Andrew Johnson specializes in water resources and environmental engineering projects. Mr. Johnson has had formal training and course work in hydrology and hydraulics and completed dozens of engineering projects. Projects include dozens of stormwater pollution prevention plans, erosion and sediment control plans, designing culverts, open channels and drainage features. FORECON staff (Brian Bullard, Rick Constantino, Maureen Mack) have completed over 100 mining projects and water-related projects involving the knowledge and application of hydrology and hydraulics. See attached resumes for more detail.

NO

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

YES Description and Number of Projects:

FORECON has been producing its own aerial figures and developing its own contour mapping for over 30 years. Ms. Maureen Mack (FORECON Inc.) has over 28 years of experience collecting field data using global positioning system (gps) units and surveying equipment and developing various maps and figures for all types of FORECON projects. Ms. Mack has also been assisting EcoStrategies with maps and figures. In addition, FORECON staff (Todd Krueger and Travis Acker) specialize in the creation of GIS figures. These figures can be combined with aerial images and other figures to provide high-quality visual aids for the project. See attached resumes for more detail.

NO

E. Are your firm's personnel experienced in domestic waterline design? (Include any experience in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects:

EcoStrategies has the knowledge and resources to design domestic waterlines, but does not have specific project examples. EcoStrategies also has sub-consultants (available upon request) that specialize in domestic waterline design and can be called upon and utilized to review and comment on the design work completed by EcoStrategies.

NO

F. Are your firm's personnel experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects:

EcoStrategies has the knowledge and capabilities to perform Acid Mine Drainage Evaluations and Abatement Design, but does not have specific project examples. However, Andrew Johnson does have 8 years of experience working as an Environmental Engineer and has worked on a wide range of contaminated sites across the United States. One project in particular is the Wastewater Pipeline Removal Project located at a rare earth minerals mine in Mountain Pass, California. This was a 2 year project that included permitting and compliance with six government agency stakeholders. Please see resume for select remediation projects.

NO

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC WATERLINE DESIGN
Johnson, Andrew, R Principal Civil Engineer / Certified Professional in Erosion and Sediment Control EcoStrategies Civil Engineering, PLLC	EXPERIENCE: 2 years of mining remediation projects and mine planning/permitting.	EXPERIENCE: 2 years.	EXPERIENCE: 0 (but capable of design)

Brief Explanation of Responsibilities

Andrew Johnson has over 8 years of professional engineering consulting experience, specializing in environmental, water resources, and health and safety projects. Mr. Johnson will be the project manager and the engineer of record overseeing all aspects of this project. Mr. Johnson will also design all of the engineering features for the project.

See attached resume for background, credentials, and project experience.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science, 2003, Civil Engineering

Master of Science, 2005, Environmental and Water Resources Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

See attached resume.

REGISTRATION (Type, Year, State)

Professional Civil Engineer(PE), 2012, New York
(AWAITING RECIPROCITY IN WEST VIRGINIA).
Certified Professional in Erosion and Sediment Control, 2011, International Certification

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC WATERLINE DESIGN
Bullard, Brian FORECON, Inc. (Sub-consultant)	EXPERIENCE: 28 years of mining experience (over 100 projects).	EXPERIENCE: 28 years of mining experience (over 100 projects).	EXPERIENCE:0 years.

Brief Explanation of Responsibilities

Mr. Bullard has a long history working in the mining industry and will provide senior management support (Quality Assurance/Quality Control) for all planning, permitting, technical design and reporting activities.

See attached resume for background, credentials, and project experience.

EDUCATION (Degree, Year, Specialization)

Associate of Science, 1981, Resource Management

Bachelor of Science, 1982, Resource Management

Master of Science, 1986, Forest Recreation - Resources Management and Policy

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

See attached resume

REGISTRATION (Type, Year, State)

See attached resume

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC WATERLINE DESIGN
Mack, Maureen Cartographer/Drafter/Technician FORECON, Inc. (Sub-consultant)	EXPERIENCE: 28 years of mining experience (over 100 projects).	EXPERIENCE: 28 years of mining experience (over 100 projects).	EXPERIENCE: 0

Brief Explanation of Responsibilities

Ms. Mack will create maps, figures, and drawings using various software and will assist with field work as needed. Ms. Mack has a long history working in the mining industry (28 years) and is well versed in various types of software programs and applications.

See attached resume for background, credentials, and project experience.

EDUCATION (Degree, Year, Specialization)

Associates Degree, 1983, Applied Science-Forest Technology
(Various coursework in Photography and Technical Drawing, 1980, 1986, 1989, 1990)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

See attached resume.

REGISTRATION (Type, Year, State)

See attached resume.

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN	YEARS OF AML RELATED DESIGN	YEARS OF DOMESTIC WATERLINE DESIGN
To Krueger, Todd GIS Specialist/Drafter/Technician FORECON, Inc. (Sub-consultant)	EXPERIENCE: 0 AML experience, (but 15 years of experience with GIS, creating figures, etc.)	EXPERIENCE: 0 AML experience, (but 15 years of experience with GIS, creating figures, etc.)	EXPERIENCE: 0

Brief Explanation of Responsibilities:

Mr. Krueger will assist Mr. Johnson and Ms. Mack with the development of technical engineering drawings using AutoCad, ArcGIS, and other applicable software. Mr. Krueger also has an assistant, Travis Acker, who will help with the creation of design drawings and figures.

See attached resumes for background, credentials, and project experience.

EDUCATION (Degree, Year, Specialization)

A.S., 1992, Mathematics/Science
A.A.S., 1995, Forest Technology
Bachelor of Science, 2008, Information Systems/Geographic Information Systems

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

See attached resume.

REGISTRATION (Type, Year, State)

See attached resume.

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE: 0. (These two employees have over 14 years of combined technical experience working as foresters in the state of West Virginia).	YEARS OF AML RELATED DESIGN EXPERIENCE: 0	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0
Wenrich, Jason West Virginia Office Manager/Staff Forester FORECON, Inc. (Sub-consultant)			
Radabaugh, Dustin West Virginia Staff Forester FORECON, Inc. (Sub-consultant)			

Brief Explanation of Responsibilities

Mr. Wenrich and Mr. Radabaugh will provide local field support to assist the engineer (Andrew Johnson) with data collection, surveying, monitoring, sampling, reporting, etc. Mr. Wenrich and Mr. Radabaugh are both West Virginia Registered Foresters (#672 and #703, respectively), both work out of FORECON's Elkins, WV and Oak Hill, WV offices, and have 14 years of combined technical experience working in the state of West Virginia.

See attached resumes for background, credentials, and project experience.

EDUCATION (Degree, Year, Specialization)

Jason Wenrich:

Bachelor of Science, 2000, Forest Science

Dustin Radabaugh:

Associates, 2002, Forestry

Bachelor of Science, 2005, Forest Resource Management

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

See attached resumes.

REGISTRATION (Type, Year, State)

See attached resumes.

Other Project Personnel

Constantino, Rick Senior Biologist/Project Manager FORECON, Inc. (Sub-Consultant)	-		
	-	-	-

Rick Constantino has over 10 years of experience in the fields of biology, forestry, and water resources projects. Mr. Constantino will assist the project as-needed and will help the engineer (Andrew Johnson) with quality reviews.

See attached resumes for educational background, credentials, and project experience.

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14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Software: AutoCad, ArcGIS 9.1/9.2/10.1, Post greSQL, Geoserver 2.1.3, Subdivide/Deed-Check/Deed Writer, Microsoft office.

Equipment: GPS units (Trimble units and hand-held units), Transit (DGT10, CST.Berger) for survey work, Environmental Sound Level Meter (CEL633A - Class 1 Type 1), Various measuring tools.

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
6 mining projects located in New York State. (EcoStrategies and FORECON are working together)	Can provide at a later date.	Consultant on all 6 projects in charge of handling all aspects of planning, permitting, and design.	Approximately \$5,000 per project. Approximately \$30,000 total for all six projects.	70% Complete.
Stormwater Demonstration Site located in Cattaraugus County, New York. (EcoStrategies)	Cattaraugus Department of Public Work (DPW).	Consultant in charge of design work for various stormwater treatment systems and drainage structures.	Approximately \$50,000.	10% Complete.
Stormwater run-off and Sediment Control Plan, Mining Project, located in Chautauqua County, New York.	Tri-James, Ashville, NY	Evaluate drainage alternatives and re-design the existing drainage system to keep all stormwater run-off contained within the mine limits.	Approximately \$5,000.	80% Complete.
Sewage Permit, New Sewage System for Private Camp, located in Warren, Pennsylvania.	Christopher Miller, Northeast, PA	Complete a Component 1 Sewage Facilities Planning Module, including all figures, maps, survey info, etc.	Approximately \$2,000.	90% Complete.
TOTAL NUMBER OF PROJECTS:9			TOTAL ESTIMATED CONSTRUCTION COSTS: \$87,000	

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

[illegible]

[illegible][illegible]

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
None. EcoStrategies is a new firm established in January 2013. (Note: The Sub-Consultant, FORECON, has been established since 1954.)	N/A	N/A	N/A	N/A	N/A

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

EcoStrategies and its sub-consultant (FORECON, Inc.) have at least 8 employees to devote to this project. We have a proven and successful track record working on mine sites, environmental remediation projects, and water resource projects. We also have local support staff and two offices located in West Virginia. We offer high quality service and provide exceptional value to our clients at competitive rates. Thank you for your consideration!

20. The foregoing is a statement of facts.

Signature: Andrew R. Johnson Title: Principal Civil Engineer / Certified Professional in Erosion and Sediment Control

Date: 03/13/2012

Printed Name: Andrew R. Johnson, PE, CPESC

RFQ No. DEP16085STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:Vendor's Name: Eco Strategies Civil Engineering, PLLCAuthorized Signature: [Signature] Date: 03/12/2013State of New YorkCounty of Chautauqua, to-wit:Taken, subscribed, and sworn to before me this 11th day of March, 2013.My Commission expires 9/1/2013, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC

Cynthia L. Kinne

Purchasing Affidavit (Revised 07/01/2012)

CYNTHIA L. KINNE #5017427

Notary Public, State of New York

Qualified in Chautauqua County

My Commission Expires Sept. 7, 2013.

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

EcoStrategies Civil Engineering, PLLC

(Company)

Andrew R. Johnson, PE, CPESC

(Authorized Signature)

ANDREW R. JOHNSON, PE, CPESC / PRINCIPAL CIVIL ENGINEER

(Representative Name, Title)

716.664.5602 EXT. 400 / 716.664.6648

(Phone Number)

(Fax Number)

03/12/2013

(Date)

EcoStrategies

→ * NOTE: THE COMPANY [^] IS NOT YET REGISTERED IN THE STATE OF WEST VIRGINIA. I AM CURRENTLY IN THE PROCESS OF APPLYING FOR CIVIL PE RECIPROCITY IN WEST VIRGINIA AND WILL REGISTER THE COMPANY AFTER I OBTAIN LICENSURE IN WV. I EXPECT TO OBTAIN MY PE LICENSE IN WV IN 1-2 MONTHS. MY SUB-CONTRACTOR, FORECON INC., IS CURRENTLY A REGISTERED VENDOR IN WV.

ADDENDUM ACKNOWLEDGEMENT FORM**SOLICITATION NO.:** DEP16085

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: NONE THAT I AM AWARE.
(Check the box next to each addendum received)

<input type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

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

EcoStrategies Civil Engineering, PLLC
Company
Adam R. [Signature], PE, CPESC
Authorized Signature
03/12/2013
Date

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



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/12/13

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

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

PRODUCER THE JOHANSON AGENCY INC 917 WASHINGTON ST JAMESTOWN NY 14701	CONTACT NAME: DG JOHANSON	
	PHONE (A/C, No, Ext): 716-664-7474	FAX (A/C, No): 716-488-2855
INSURED ECOSTRATEGIES CIVIL ENGINEERING PLLC 1890 E MAIN ST FALCONER NY 14733	E-MAIL ADDRESS: djohanson@johansoninsurance.com	
	PRODUCER CUSTOMER ID #:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: CONTINENTAL CASUALTY	
	INSURER B:	
	INSURER C:	
INSURER D:		
INSURER E:		
INSURER F:		
NAIC #		

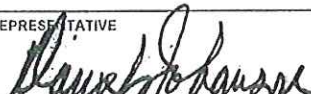
COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input type="checkbox"/> N/A						WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	PROFESSIONAL LIABILITY			EEH288392574	02/20/13-14		EA OCCURRENCE \$1,000,000 AGGREGATE \$2,000,000

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

CERTIFICATE HOLDER**CANCELLATION**

ECOSTRATEGIES CIVIL ENGINEERING PLLC 1890 E MAIN ST FALCONER NY 14733	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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DATE ISSUED (MM/DD/YY)
3/12/13

CERTIFICATE OF INSURANCE

— THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY —

NAME AND ADDRESS OF AGENCY THE JOHANSON AGENCY, INC. 917 WASHINGTON ST JAMESTOWN, NY 14701-3044 (716)664-7474		AGENT'S NO. NN1012	COMPANY(IES) AFFORDING COVERAGE Co.: C ERIE INSURANCE COMPANY Co.: D ERIE INSURANCE PROPERTY & CASUALTY COMPANY Co.: F ERIE INSURANCE COMPANY OF NEW YORK Co.: G FLAGSHIP CITY INSURANCE COMPANY		
NAME AND ADDRESS OF NAMED INSURED ECOSTRATEGIES CIVIL ENGINEERIN 1890 E MAIN ST FALCONER, NY 14733		This certificate is issued for information purposes only and confers no rights on the certificate holder. It does not affirmatively or negatively amend, extend, or otherwise alter the terms, exclusions and conditions of insurance coverage contained in the policy(ies) indicated below. The terms and conditions of the policy(ies) govern the insurance coverage as applied to any given situation. Limits shown may have been reduced by claims paid. This certificate of insurance does not constitute a contract between the Issuing Insurer(s), authorized representative or producer and the certificate holder.			
This is to certify that policies, as indicated by the Policy Number below, are in force for the Named Insured at the time that the Certificate is being issued.					
CO Add'l LTR Ins'd	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
C	<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC	Q97 0362076	2/20/13	2/20/14	EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any One Fire) \$ 1,000,000 MED EXP (Any One Person) \$ 5,000 PERSONAL & ADV. INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS-COMP/OP AGG \$ 2,000,000
	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> "ANY AUTO" (OWNED, HIRED, NON-OWNED) <input type="checkbox"/> OWNED <input type="checkbox"/> HIRED <input type="checkbox"/> NON-OWNED <input type="checkbox"/> GARAGE				BODILY INJURY (EACH PERSON) \$ BODILY INJURY (EACH ACCIDENT) \$ PROPERTY DAMAGE \$ BODILY INJURY AND PROPERTY DAMAGE COMBINED \$
	<input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> OCCURRENCE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
	WORKERS COMPENSATION & EMPLOYERS LIABILITY				STATUTORY BODILY INJURY BY ACCIDENT \$ EACH ACCIDENT DISEASE \$ POLICY LIMIT DISEASE \$ EACH EMPLOYEE
	OTHER				
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS					

CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

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

NAME AND ADDRESS OF CERTIFICATE HOLDER ECOSTRATEGIES CIVIL ENGINEERIN 1890 E MAIN ST FALCONER, NY 14733	AUTHORIZED REPRESENTATIVE
--	-------------------------------

LONG NAME INSURED:

ECOSTRATEGIES CIVIL ENGINEERING
PLLC
1890 E MAIN ST
FALCONER NY 14733

COMPLETE NAME AND ADDRESS OF CERTIFICATE HOLDER OR ADDITIONAL INSURED:

ECOSTRATEGIES CIVIL ENGINEERING
PLLC
1890 E MAIN ST
FALCONER NY 14733

RESUMES

Education

B.S., Civil / Environmental Engineering, State University of New York College of Environmental Science and Forestry (SUNY-ESF) and Syracuse University, 2003

M.S., Environmental / Water Resources Engineering, SUNY-ESF and Syracuse University, 2005

Professional Engineering Experience

ARCADIS – 6 yrs
BBL – 2 yrs

Other Experience

New York State Research Foundation – 1.5 yrs
FORECON – Summer Employment

Professional Registrations

Professional Engineer (PE) New York State License #090743.

Certified Professional in Erosion and Sediment Control (CPESC) #6564

Note: Awaiting reciprocity application for PE license in Pennsylvania and West Virginia.

Training

40-Hour OSHA Hazardous Waste Operations (HAZWOPER) Safety Training

8-Hour OSHA HAZWOPER Refresher Training

10-Hour OSHA Construction Safety Course

Loss Prevention System (LPS) Training

CPR and First Aid Training

National Safety Council (NSC) 6-Hour Defensive Driving Course

Smith System Driver Training

HazMat#1: DOT/IATA HazMat Shipping and Transportation

RCRA/Hazardous Waste Generator Training

Mine Safety and Health Administration (MSHA) Training

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Andy Johnson has 8 years of professional experience working on a variety of engineering projects. Mr. Johnson specializes in environmental, water resources, and health and safety projects. He is a project manager and provides office support (i.e., engineering design, calculations, work plans, permitting) as well as field support and oversight for project implementation. Mr. Johnson has maintained a safety record of zero accidents and has completed tasks on-time and on-budget. Below is list of select projects and experience.

Project Experience**Chevron – Wastewater Pipeline Removal Project**

Mountain Pass, California
2010-2012

Assistant project manager, on-site operations manager, and primary point of contact for agencies and client for the removal of a 14.8-mile radioactive wastewater pipeline and impacted soils associated with the pipeline. Mr. Johnson oversaw all on-site operations and served as the Site Safety Officer (SSO) on behalf of Chevron. Engineering work activities included planning and oversight for the removal of 14.8-miles of pipeline, 173 tons of pipescale, 68,000 gallons of wastewater, 1.9-miles of abandoned steel freshwater pipeline, and approximately 1,800 tons of impacted soil. Mr. Johnson also provided direct oversight and supervision for sampling and assessing over 70 potential wastewater release areas. Lastly, he developed two feasibility studies for the closure of two evaporation ponds (each pond over 100 acres in size) where the pipeline discharged the wastewater. The project team consisted of 15 individuals and included biologists, geologists, radiological specialists, agency representatives, and construction personnel.

Mr. Johnson was involved in project planning, permitting and development, and worked with six different agencies and their associated project permits (i.e., National Park Service, Bureau of Land Management, California Department of Fish & Game, United States Fish & Wildlife Service, California Water Board – Lahonton Region, California Department of Public Health). The tasks included writing various work plans, sampling plans, stormwater pollution prevention plans (SWPPP), Erosion Control Plans (ECP), and agency reporting. Mr. Johnson and the project team maintained a safety record of zero accidents, zero permit violations, and completed all tasks on-time and on-budget.

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Chevron – El Paso Refinery

El Paso, Texas

2007

Completed a full engineering design package for a light non-aqueous phase liquid (LNAPL) recovery system according to company and regulatory standards. Selected skimmer pumps, determined pipe sizes and materials, determined tank sizes for recovered product, designed a monitoring and telemetry system, two equipment enclosures, a sampling schedule, and developed an operations and maintenance (O&M) manual.

Chevron – Orlando Superfund Site

Orlando, Florida

2007-2012

Provided engineering support and oversight for source reduction ("dig and haul") activities, which included the removal and disposal of approximately 4,100 tons of pesticide-impacted soil from the site.

Provided engineering support for the design, implementation, and monitoring of permeable reactive barriers (PRB's) installed at the site to reduce concentrations of pesticides in groundwater.

Chevron – Operations & Maintenance (O&M) Portfolio

Various States

2005-2012

Provided science and engineering support for a portfolio of over 30 Chevron sites located in 13 states. Work includes groundwater monitoring reports, assisting with costs proposals, health and safety plans, and developing responses to agency letters.

Chevron – West Coyote Hills

Fullerton, California

2008-2010

Developed a SWPPP for a former oil field site and performed routine stormwater inspections after rain events in accordance with regulatory and site requirements.

United Technologies Corporation Pratt & Whitney Rocketdyne (UTC-PWR)

San Jose, California

2005-2008

Provided engineering support for various projects at a former rocket manufacturing facility. Projects included developing SWPPP's and ECPs at over 30 construction sites located in five watersheds for decommissioning and demolition activities; developed a Surface Soil Remediation Work Plan; developed an In-Situ Bioremediation Trench Work Plan; and performed earthwork and design calculations for an engineered surface cover.

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Chevron – Former Tappan Terminal Site

Hastings-on-Hudson, New York
2012

Developed a Remedial Design Report which included the design of a two foot thick soil/vegetative cover (cap) across 7-acres of property (25,000 cubic yards of soil). The report included a Work Plan, Design Drawings, a Health & Safety Plan, a SWPPP, a Site Management Plan, a Construction Quality Assurance Plan (CQAP), and Citizen Participation Plan (CPP).

Universal Studios Hollywood

Hollywood, California
2005-2012

Developed a site-wide Lock-Out Tag-Out (LOTO) safety program for the client. This included generating over 5,000 unique LOTO procedures for equipment located throughout the park. Equipment was categorized under the following maintenance departments: Animations, Electrical, Heating Ventilation and Air Condition (HVAC), and Sound/Video. Performed field inspections to analyze equipment and built-in safety controls. Most recent projects include *King Kong* (2011) and *Transformers* (2012).

National Institute of Standards and Technology

Boulder, Colorado
2012

Developed a site-wide LOTO program for the client. The program assessed over 3,000 pieces of equipment and included the development of over 800 unique LOTO procedures for various types of HVAC and laboratory equipment.

Maryland Port Administration

Baltimore, Maryland
2008

Developed LOTO program for equipment located throughout the Port of Baltimore as part of a site-wide health and safety program. The program included approximately 200 unique LOTO procedures for cranes and related equipment.

City of Santa Barbara – El Estero Project

Santa Barbara, California
2007

Provided engineering support for a wetland restoration project aimed at restoring habitat for the southwest pond turtle and providing public outreach to the community.



BRIAN S. BULLARD
Director of Consulting Operations-Forecon, Inc.
Falconer, New York

Education

SUNY, College of Environmental Science and Forestry, Syracuse, New York
Major: Forest Recreation-Resources Management and Policy
Degree: Master of Science, May 1986

SUNY, College of Environmental Science and Forestry, Syracuse, New York
Major: Resource Management
Degree: Bachelor of Science, May 1982

Herkimer County Community College, Herkimer, New York
Major: Resource Management
Degree: Associate in Science, 1981

Experience

1997-Present; Forecon, Inc.

Director of Consulting Operations; responsible to direct the company's consulting forestry and natural resource operations including timber contract development and execution, bid prospectus development, timber appraisal, customer coordination, quote and plan large inventory projects, prepare mining plans, prepare Environmental Impact Statements; hire, train and promote staff, conduct seminars, interact with other resource professionals and governmental officials, ensure quality assurance/ quality control on projects, provide expert witness testimony.

October 1984-1997; Forecon, Inc.

Forest Management and Environmental Specialist; timber inventories and appraisals, shade tree appraisals, mining and reclamation projects, environmental permits acquisitions; forest inventory crew chief; gypsy moth project leader; data processor; forest recreation consultant, forest manager for several municipal watersheds, logging supervision, prepare Environmental Impact Statements for mining projects.

1984; SUNY College of Environmental Science and Forestry

Teaching Assistant; responsible for aiding professor in the teaching of Fundamentals of Outdoor Recreation and Outdoor Recreation Management.

1983; Oswego County Conservation Corps

Crew Supervisor; planned and supervised daily activities of seven young adults. Developed a 3/4 mile interpretive trail loop, maintained existing trails, rustic construction of bridges, walkways, and built an outdoor education center.

1983; SUNY College of Environmental Science and Forestry

College Work-Study; successfully developed a computer program to analyze and tabulate statistics from a survey of New York Timber Harvests.

Licenses

New York State Real Estate Broker – 1995
New York State Real Estate Salesperson – 1989
Realtor Designation, National Association of Realtors
Completed Bureau Veritas Quality International (BVQI) Lead Auditor training
American Tree Farm System Qualified Inspector
American Tree Farm System Group Certification Lead Auditor

Professional Affiliations

Member - Society of American Foresters , Certified Forester - #1575
Past Chair – New York Society of American Foresters Nominations Committee
Member – Catskill Forest Association
Chairman – Forestry Subcommittee, Chautauqua County Farmland Protection Plan
New York State Cooperating Consulting Forester
Sustainable Forestry Initiative Discussion Leader – New York and Pennsylvania
New York Forest Owners Association – Allegheny Foothills Chapter Planning Coordinator
Participating Broker with Cabela's Trophy Properties
Boy Scouts of America – Scoutmaster, Scoutmaster for 2005 National Jamboree Contingent, Co-Chair of 2010 National Jamboree Planning Committee for Allegheny Highlands Council.



MAUREEN A. MACK
Forest Technician/Cartographer Forecon, Inc.
Falconer, New York 14733

Education

SUNY, College of Environmental Science and Forestry, Wanakena, New York

Major: Forestry-Ranger School Program

Degree: Associate in Applied Science-Forest Technology, 1983

Jamestown Community College, Jamestown, New York

1979-1980 College preparation for forest tech program

1980, 1986, 1989, 1990 Various courses in Photography, Real Estate and Technical Drawing

Experience

1984-Present; Forecon, Inc.

Technical Forester; mine land reclamation projects, liasing with property owners, timber buyers/loggers; logging inspections and compliance; boundary line maintenance.

Cartographer; designing maps, graphics, illustrations and layouts; researching, selecting and evaluating map source data for use in the preparation or revision of maps and charts to various scales; liasing with surveyors; working with geographical information systems (GIS) to see, mode and analyze landscape features.

1984-1985; Forecon, Inc., Cortland, New York Office

Forestry Aid; timber cruising, tree planting, logging compliance, collected field data for 480a Forest Management Plans.

1981-1983; Allegany State Park, Salamanca, New York

Crew Leader; in charge of cabin and trail maintenance crew.

1979; Allegany State Park, Salamanca, New York

Served on tent and trailer camping area maintenance.

Software

Arc view 9.1; Microsoft Office, Windows 95/NT/2000.

Partial List of Projects

Chautauqua County Parks: Assist in design layout and map revisions to Marden E. Cobb Waterway Trail; the Earl Cardot Eastside Overland Trail; the Fred J. Cusimano Westside Overland Trail; John Luensman Overview Park; Tom Erlandson Overview Park.



TODD KRUEGER
GIS Analyst/Database Administrator - Forecon, Inc.
Falconer, New York

Education

SUNY, Empire State College, Saratoga Springs, NY (Niagara Frontier)

Major: Information Systems, Geographic Information Systems

Degree: Bachelor of Science, 2008

SUNY, Jamestown Community College, Jamestown, NY

Major: Math/Science

Degree: A.S. Mathematics/Science, 1992

Biology, Computer Science

**NYS Ranger School, SUNY College of Environmental Science and Forestry,
Wanakena, NY**

Major: Forestry

Degree: A.A.S. Forest Technology, 1995

Forest Technology

Experience

2010-Present; Forecon, Inc.

GIS Analyst/Programmer & Database Administrator; Spatial data analysis and cartographic production using ESRI ArcGIS, ESRI ArcSde, GeoServer; Database administration and data analysis. Microsoft SQL Server 2000, 2005, 2008, PostgreSQL, MySQL; Responsible for creation, maintenance, availability and customization of spatial and tabular datasets for use in strategic planning, business analytics, and highest-best-use decision processes. Data mining and analysis; Interface with diverse client base; troubleshooting, work planning, needs analysis and client relations; Assist clients and coworkers with technical support and training; Implement company wide technology solutions and evangelize the benefits of such; Interface with and supervise technology vendors and contractors; Develop work plans and set milestones.

1999-2010; Forecon, Inc.

GIS Analyst/Database Administrator; Create, maintain and tune multiple SQL Server/ArcSDE/ArcGIS tabular and spatial databases for a proprietary versioned hardwood land management system; Update and generate quarterly growth and yield reports to be used by land managers and fiduciary agents for over \$500,000,000 worth of industrial timberlands; Assist and advise project managers, land managers, foresters, accountants, and financial analysts with SQL Server data extraction and manipulation using T-SQL, Crystal Reports, .NET, ASP, ESRI ArcGIS, and MS Access & Office; Prepare needs analysis and "use case"



TRAVIS ACKER
Senior GIS/DBM Technician/Department Manager – Forecon, Inc.
Falconer, New York

Education

SUNY College of Fredonia
Bachelor of Science, Geology, Minor: GIS, May 2009

Experience

2010 – Present; Forecon, Inc.

GIS Department Manager/Analyst; Client development, relations and marketing. Development, analysis and management of a proprietary Microsoft SQL server database / GIS based Forestry database (TIGER). Development and Preparation of quarterly reports for Timber Investment Clients. Data development, management, backup and security, QA/QC. Map production/digitizing. GPS job and mission planning, data collection, and correction. Local Area Network Administration/Software and Hardware training. Development of innovative GIS solutions for natural resource applications.



JASON M. WENRCH
Regional Manager/Staff Forester- Forecon, Inc.
State College, Pennsylvania

Education

The Pennsylvania State University, University Park, PA
B.S. in Forest Science - Forest Management option, May 2000

Experience

2005-Present; Forecon, Inc., State College, Pennsylvania

Regional Office Manager/Staff Forester; Oversee all functions of two regional offices; Supervise daily activities performed by technicians; Project areas encompass West Virginia, New York, Pennsylvania, Virginia, North Carolina, and Tennessee; Monitor and schedule annual activities on a 28,000 acre, FSC certified, land management contract, concurrent with the 10-year management plan; activities include cruising, layout, marking, GPS, and administration of timber sales; Design and manage timber cruises for state agencies, timber investment management organizations, large land holding companies, and high net worth individuals; total acreage in 14 projects was more than 245,000 acres, and 40,000 cruise plots; Assist private landowners with all facets of forest management including plan development, timber sales, timber appraisals, timber inventory, and timber trespass assessment; Quote and accept contracts for services and timber sales in a timely manner

2001-2005; Northeastern Forestry Concepts, Inc., Bethlehem, PA

Field Forester; Prepared more than 200 woodland management plans and forest stewardship plans in eastern Pennsylvania and northern New Jersey; Estimated timber volumes for harvesting and management plan purposes; Marked standing timber for harvesting; Established property lines in the field for timber sales and property posting; Performed light duty timber stand improvement cutting, as well as tree planting; Utilized GPS to prepare tree replacement plans for development companies

2000-2001; Weaber Forests, Inc., Lebanon, PA

Log Inspector; Worked in the sawmill as a general laborer; Scaled and graded logs in a hardwood log yard; Observed various sawyers to learn how log defects relate to lumber grade

1999-1999; Penn State University Regeneration Study, University Park, PA

Research Technician; Measured and recorded regeneration and overstory variables on Pennsylvania Bureau of Forestry land; Located and established permanent regeneration sample locations

Professional Organizations

Society of American Foresters member

Association of Consulting Foresters member, Virginia and West Virginia Chapters
West Virginia Forestry Association member

Forest Landowners Association, Board of Directors member for West Virginia

Certifications and Awards

West Virginia Registered Forester #672
Certified Tree Farm Inspector
Pennsylvania Certified Commercial Pesticide Applicator
West Virginia Registered Commercial Pesticide Applicator
Pennsylvania Forest Stewardship Plan Approved Writer
2007 Forecon, Inc. Employee of the Year

Project References

2012; Completed a timber inventory on 11,500 acres for The Nature Conservancy in Southwest Virginia. The cruise was designed to adhere to the CAR protocols for a carbon project.

2006-2011; Provided Pardee & Curtin with a timber inventory consisting of a 20BA factor cruise on approximately 60,000 acres in 2011. This inventory consisted of approximately 9,105 plots taken over a 5 month time frame. Another 57,000 acres was inventoried in 2006, which involved approximately 6,800 inventory plots. The latter of these cruises subsequently led to the timber marking of 2 shelterwood harvests in 2008. Both inventories are currently maintained on FORECON's TIGERWEB.

2008-2009; Provided the State of West Virginia DOF with a timber inventory consisting of a 20BA factor cruise on a 5,280 acre and an 8,000 acre state forest. At total of approximately 1330 plots were taken during this inventory.

2011; Completed a timber inventory on 11,500 acres for The Nature Conservancy in Southwest Virginia. The cruise was designed to adhere to the CAR protocols for a carbon project.

2008; Completed a due-diligence inventory for Forest Investment Associates in West Virginia on approximately 16,000 acres. This was a 20BAF cruise with a total of approximately 1650 plots.

2007; Completed a 10BAF/20BAF timber cruise on approximately 35,000 for Forest Resources Management on properties located in Virginia and North Carolina. There were approximately 5,400 plots collected.

2006-2007; Completed an ongoing (since 2004) timber and habitat inventory for The Forestland Group, LLC. Collected data on over 5,000 20BAF overstory inventory plots. In addition, habitat data was recorded on fixed radius sampling plots, consisting of ground cover, regeneration, and down & dead woody debris.

2006; Completed a 20BAF timber inventory on approximately 22,000 acres for the Jim C. Hamer Lumber Company in West Virginia. An appraisal was developed, which was used in the subsequent sale of these properties.

2005-Present; Completed over 30,000 20BAF overstory inventory plots for Plum Creek Timberlands on a rolling inventory program on their ownership in West Virginia. These plots have included the collection of down & dead woody debris as well as grape vine information.



DUSTIN B. RADABAUGH
Staff Forester/Office Manager - Forecon, Inc.
Elkins, West Virginia

Education

West Virginia University, Morgantown, West Virginia
Forest Resource Management – May 2005

Glenville State College, Glenville, West Virginia
Associates in Forestry – May 2002

Experience

2012-Present; Timberland Realty

Sales Agent; rent, buy, or sell property for clients. Perform duties, such as study property listings, interview prospective clients, accompany clients to property site, discuss conditions of sale, and draw up real estate contracts.

2005-Present; Forecon, Inc.

Staff Forester, Office Manager; timber inventories; timber marking; timber sale inspections; crew leader; prepare reports; data collection; prepare maps; preparation in forest management plans; laying out and design inventory projects; assist in land management responsibilities; property inspections, boundary line maintenance, courthouse deed and easement searches, herbicide treatment, GPS and GIS work; knowledge of forestry software types; ArcView, ArcMap, ArcPad, Two Dog.

2003-2005; West Virginia University

Research Aide; data input using Microsoft Excel and Access.

2003; West Virginia University

Research Aid; conducted forest inventory measurements on WV University Forest; performed herbicide treatments in white pine plantation; established CFI plots with GPS; examined and recorded information on acorn weevils for a research study conducted at Fernow Research Forest in Parsons, WV; operated a brush saw in silviculture treatments in a ten year old clear cut.

2002; West Virginia University

Research Aide; forest inventory measurements, habitat analysis and electronic field data collection conducted on two WV State Forests (Kumbrabow, Calvin Price).

Certifications

WV Registered Forester #703
WV Registered Herbicide Technician #RO7277
American Tree Farm Inspector
CPR

Organizations

Society of American Foresters



RICHARD CONSTANTINO
Senior Biologist/Ecosystems Services Manager
Falconer, New York

Education

SUNY, College of Environmental Science and Forestry, Syracuse, NY

- Degree: Bachelor of Science Degree in Environmental/Forest Biology, 1/98-12/99
- Concentrating in plant science and wildlife conservation

SUNY, Jamestown Community College, Jamestown, NY

- Concentrating in biology and chemistry, 8/95-12/97

Experience

November 2010-present: Forecon, Inc., Falconer, NY

Senior Biologist/Ecosystems Services Manager; Responsible for overseeing all aspects of FORECON's Ecosystem Services Division.

General Real Estate Appraiser Assistant – Assist the appraisal department on timberland appraisals, economic analysis, database, and administrative review of clients' timber, real estate and natural resource investments. Currently seeking certification as a General Real Estate Appraiser

June 2008 to November 2010; Chautauqua County Department of Planning and Economic Development, Jamestown, NY

Watershed Coordinator; Responsible for organizing watershed planning efforts, education programs, and the implementation of projects for the protection and restoration of local water resources. These tasks are accomplished by networking with agencies, organizations and citizens to develop effective watershed management plans and sustained long-term local efforts aimed at yielding clean lakes, rivers and streams. Also, serve as the county's liaison for lake and watershed initiatives and interact with numerous organizations and at all levels of government including: town and village boards, County Legislature, NYS Department of State Division of Coastal Resources, NYS Department of Environmental Conservation, US Army Corp of Engineers, Chautauqua Lake Management Commission, Cassadaga Lakes Association, Findley Lake Watershed Foundation, Chautauqua County Water Quality Task Force, Southern Tier West Regional Planning, and Conewango Creek Watershed Association.

Selected Past Projects:

- 1) Administered, assisted with design, and coordinated the construction of lake and watershed improvements projects through the County's Occupancy Tax Grants. Projects included;

- Streambank and shoreline restoration utilizing bioengineering techniques that include rock rip rap, coconut fiber logs, and willow and other tree species.
 - Stormwater retrofits that include; drainage inlet retrofits with advanced cyclone filtration, pervious pavement, and rain gardens.
 - Constructed wetland and sediment basins
 - Road ditch stabilization utilizing concrete check dams and/or rock rip rap
 - Stormwater and erosion and sedimentation technical services for municipal officials, highway DPW personnel, planning and zoning boards, contractors, developers, and others.
- 2) Coordinated the development of the Chautauqua Lake Watershed Management Plan.
 - 3) Administered three New York State Environmental Protection Fund Grants totaling in excess of \$600,000. Grants tasks include:
 - Development of the Chautauqua Lake Watershed Management Plan
 - Studies of two sub-watersheds of Chautauqua Lake. Study entailed stream geomorphology, nutrient and sediment yield modeling, water quality testing, identification of threatened and endangered species and communities, identification of invasive species, and the identification and location of preferred stream restoration projects.
 - Public education and outreach including five public meetings, training seminars and presentations, and the production of a watershed video.
 - 4) Chairman of the Water Resources Focus Group for the Chautauqua County Comprehensive Plan

March 2000 to June 2008; Forecon, Inc., Falconer, NY

Biologist/ Ecosystem Specialist; Developed wildlife management reports and perform field work related to wildlife management for private landowners. Advised clients and potential clients on selecting, installing and maintaining a variety of measures that conserve and improve: soil, plant, water, wildlife, and/or recreational resources. Performed wildlife habitat sampling on the landscape level. Surveys are based on current U.S. Forest Service and U.S. Fish and Wildlife research. Performed biological surveys on ecologically unique areas, including wetlands, and develop reports for wetland mitigation. Researched and reported the occurrences of rare, threatened, and endangered species on client owned lands, including federally listed G1 and G2 species. Accessed nuisance wildlife complaints and acquired the permits necessary for removal. Performed carbon sequestration and modeling projects for several large landowners throughout North and South America. Developed forest carbon offset projects and provided technical expertise for several greenhouse gas registries and markets, including the Chicago Climate Exchange and the Regional Greenhouse Gas Initiative.

Whitetail Deer Management; administered the principles relating to the adverse affects of a high deer herd in forest ecosystems on the landscape level. Performed deer population surveys annually on several thousand acres of privately owned industrial forest land. Developed and administered hunting leases for clients. Provided deer harvest recommendations and educated hunters on the principles of Quality Deer Management on leased land. Distributed and processed permits to lease hunters under the New York State Deer Management Assistance Program. Examined harvested white-tailed deer for age, sex, weight, health, and antler measurement.

Forest Technician; Experienced in all categories of Forest Management activities including: timber marking, timber inventory, timber stand improvement, mapping, data processing, data collection, preparing limited client reports, assist in surveys, logging inspection.

Field operations manager; for Western New York Willow Biomass Project site trials contracted through SUNY-ESF.

Selected Past Projects:

- 1) Canaan Valley, West Virginia Eco-Assets Appraisal: Provided habitat assessment and mapping for the threatened and endangered Cheat Mountain salamander, West Virginia northern flying squirrel, and Indiana bat.
- 2) Gravel mine expansion wetland delineation: Performed wetland delineation for a proposed gravel mine expansion and determined the location of the wetland for avoidance purposes. Delineation was performed in accordance with the US Army Corps of Engineers 1987 Wetland Delineation Manual.
- 3) Plant survey for the NYS endangered woodland bluegrass (*Poa sylvestris*); Performed a plant survey at a proposed gravel mine site, plant is listed in the NYSDEC's Natural Heritage plant database. Survey was conducted to satisfy findings under the State Environmental Quality Review Act (SEQRA).
- 4) Northern Wisconsin wildlife habitat assessment: Provided habitat assessment, mapping, and reporting on over 50,000 acres of sustainably managed forestland in Northern Wisconsin for conservation easement purposes. The habitat assessment included an analysis and/or the quantification of ecologically unique sites including wetlands, dead and down woody material, snags and den trees, rock outcropping or boulders, and vegetative survey from the ground to canopy.

May to July 1999-The Nature Conservancy/NYS Natural Heritage Program, Latham, NY

Independent Contractor; Assessed wetlands for possible Blandings turtle population occurrence; Trapped and documented occurrences of Blandings turtles; Obtained permission to sample and cooperate with landowners possessing sites of sampling interest.

May to August 1998-WNY Crop Management Association, Perry, NY

Field Crop Technician; Performed field work relating to soil sampling, scouting, and crop assessment; Worked closely with dairy farmers and shared findings made in the field, field observations were used as the basis for crop management recommendations

Certificates and Continuing Education

9/01 – USFS and Penn State University – Silviculture of Allegheny Hardwoods

6/01 – Bureau Veritas:

- Environmental Management System Internal Auditor
- Introduction to Sustainable Forestry Initiative

10/00 – SUNY College of Environmental Science and Forestry:

- BMP Timber Harvest Planning and Implementation

9/06 – Wetland Training Institute:

- Wetland Delineation in accordance with U.S. Army Corp of Engineers 1987 manual

12/09 – US Army Corp of Engineers – Stream Restoration and Sediment Training

2/11 – Basic Appraisal Principles

2/11 – Basic Appraisal Procedures

4/11 – National Uniform Standards of Professional Appraisal Practice

5/11 – Appraisal Statistics Modeling and Finance

5/11 – Mineral Rights Valuation and Appraisal Perspectives

7/12 – General Appraiser Market Analysis and Highest and Best Use

9/12 – General Sales Comparison Approach

FORECON, Inc. – An Overview

FORECON, Inc. is the successor firm of "C.H. Bauer, Consulting Forester" established on July 1, 1954. Since its founding, the firm has continued to provide an increasing range of expert forestry and related environmental services for private, corporate, industrial and municipal forest landowners throughout the Eastern United States. We currently operate out of seven (8) locations; our main office is situated in Falconer, NY and our field offices are located in Cortland, NY, Hancock, NY, Titusville, PA, Smethport, PA, State College, PA, Elkins, WV, and Oak Hill, WV.

The strength of the firm is in maintaining a staff of well-trained and experienced persons with diverse skills and professional qualifications. Among the 43 people currently employed by FORECON Inc., there are representative skills in mine planning and permitting, forest management planning, marketing of forest products, forest inventory design and data collection, certified timber and timberland appraising, geographic information systems (GIS), forest certification systems (SFI, FSC, ATFS), environmental management systems (ISO 14000), ecological services (carbon sequestration, bio-diversity, and hydrology), forest economics, timberland investments, forest taxation, forest engineering, recreation planning, wildlife biology and municipal/regional planning, surveying, drafting, geology, urban tree management and data processing.

In our West Virginia offices, we uphold strong ties with local and state organizations like the West Virginia Forestry Association. We also keep close contact with West Virginia University and Virginia Tech; Assisting them with cooperative research projects, such as a regeneration study with Virginia Tech in Fayette, Nicholas, and Webster Counties. We have designed and implemented many large scale timber inventories throughout the state of West Virginia for state agencies, timber investment management organizations, large land holding companies, and high net worth individuals. In the past four years alone, 12 projects totaled over 230,000 acres and 39,000 inventory sample plots.

A common thread throughout the various services provided by FORECON Inc. is the strong supporting role played by our GIS department. GIS data analysis, digital imagery analysis, field data management, database services, tabular reporting and GPS data development are but a few of our current abilities in this area. Our GIS staff is highly experienced in the application and development of digital data related to natural resource management.

FORECON, Inc. has been involved in both small and large scale projects, handling the analyses and inventory of timber resources on small privately held tracts, as well as projects entailing hundreds of thousands of acres. FORECON is widely recognized as a full service forestry and environmental consulting group. Our multifaceted approach to resource management provides our clientele with expertise in virtually all aspects of land and natural resource management. FORECON, Inc. manages hundreds of thousands of acres of high quality working forest for institutional and private investors under various certification systems. In addition, FORECON, Inc. manages several municipal watersheds, county-owned forest and park lands, and numerous private non-industrial ownerships throughout the Northeast and Appalachia.

Various employees are members of professional associations such as the *Society of American Foresters (SAF) (Certified Foresters)*, the *Association of Consulting Foresters (ACF)*, the *Wildlife Society of America*, the *International Society of Arboriculture*, the *National Association of Realtors*, and the *Registrars Accreditation Board*. Individual credentials and experience for key staff members are attached for your reference. FORECON also maintains a working relationship with other professional firms having expertise in archaeology, biology, ecology, engineering, geology, hydrology, natural resource-related GIS/database development, etc. Specialists are sometimes retained by FORECON from these firms for special project needs.

FORECON's Mission is to:

"Meet the ever increasing needs of our clients with responsive, effective and environmentally responsible professional forestry and natural resource consulting services, supported by a deep pool of dedicated and knowledgeable people, using innovative, cutting-edge technology."





FORECON, INC.

Urban and Community Forest Management

Forestry is traditionally associated with the management of large tracts of timberland and smaller woodlots. Often these forests are quite removed from the daily lives of most people, however, all of the trees within a village, town or city make up a community forest and can include street trees and shade trees in yards, parks, cemeteries, school grounds, and undeveloped green spaces.

Urban and Community Forestry is the art and science of managing community forests to establish and maintain healthy trees for air and water quality benefits, carbon sequestration, energy savings, environmental health, and the overall quality of life for urban and suburban residents. The urban and community forest also contains wildlife, waterways, roads, paths and structures that residents can enjoy year round.

FORECON, INC. provides a variety of **Urban and Community Forest** management services including:

♦ Street Tree Inventory & Assessment

Inventory of tree species, diameter, height, risk rating and management needs for comprehensive urban/street/shade tree management planning

Utilization of *TreeWorks®* software to conduct inventory data collection and aid municipalities in developing a street tree management plan

♦ Municipal, Golf Course & Cemetery Tree Management Services

Inventory, GIS mapping & management plan development

♦ Damage Appraisals

Assessment of tree damages and value estimates using ISA standards to aid in receiving compensation for loss in value sustained by natural or man made causes

Expert testimony

♦ Site Plan Review

Coordinate with engineers to ensure that a site plan will work with tree preservation and site development objectives

♦ Tree Risk Surveys

Evaluation of trees for the risk they may pose to the community, develop work plans for the municipality and aid in risk reduction budget plans

♦ Education Programs

Assist schools and communities in conducting Arbor Day celebrations, give talks on invasive species, proper planting and pruning techniques

Public Relations in working with the public on tree care and community ordinances

Grant development for various funding

FORECON, Inc. is also a licensed dealer of *TreeWorks®* software from the Kennerson Group. *TreeWorks®* provides an innovative approach allowing users to not only easily build their tree inventory, but also continue updating it on a regular basis with a PDA or Tablet PC. *TreeWorks®* also provides management tools to plan and track maintenance work, calculate appraised values, analyze and visualize data, and produce maps and reports.



FORECON's Service Offerings



Forest and Land Management

- ✦ Timber Inventory
- ✦ Forest Management Planning and Budgeting
- ✦ Wildlife Habitat Management
- ✦ Wildlife Census Analysis and Reporting
- ✦ Hunting and Recreational Leasing
- ✦ Forest Pest Management

Appraisal and Due Diligence

- ✦ Timber and Timberland Appraisals
- ✦ Damage Appraisals
- ✦ Forest Economic Analysis
- ✦ Price Indexing
- ✦ Due Diligence Inventory and Check Cruising
- ✦ Valuation Modeling and Analysis

Database Management

- ✦ TIGER® (Timber Inventory Growth Evaluation & Reporting) Database Management System
- ✦ TIGER Web® Portal
- ✦ General GIS and GPS Services

Timber Sale Administration

- ✦ Timber Sale Marking and Marketing
- ✦ Timber Sale Supervision
- ✦ Contract Development

Sustainable Forest Management

- ✦ Sustainable Forestry Consulting (SFI, FSC, ATFS, ISO 14001)
- ✦ Sustainable Forestry Verification and Certification

Real Estate Sales *(Timberland Realty)*

- ✦ Large and Small Timberland Offerings
- ✦ Recreational Land

Carbon Offset Project Verification

- ✦ Chicago Climate Exchange (CCX)
- ✦ Other Registries
 - USDOE – 1605b
 - RGGI
 - CCAR

Other Services

- ✦ Urban and Community Forest Management
 - Inventory and Appraisals
 - Management Recommendations
 - Tree Management Software

-  ✦ Environmental Management
 - Environmental Impact Assessments
 - Environmental Permitting
 - Erosion and Sedimentation Control Planning
 - Watershed Delineation and Management
 - Wetland Protection and Enhancement

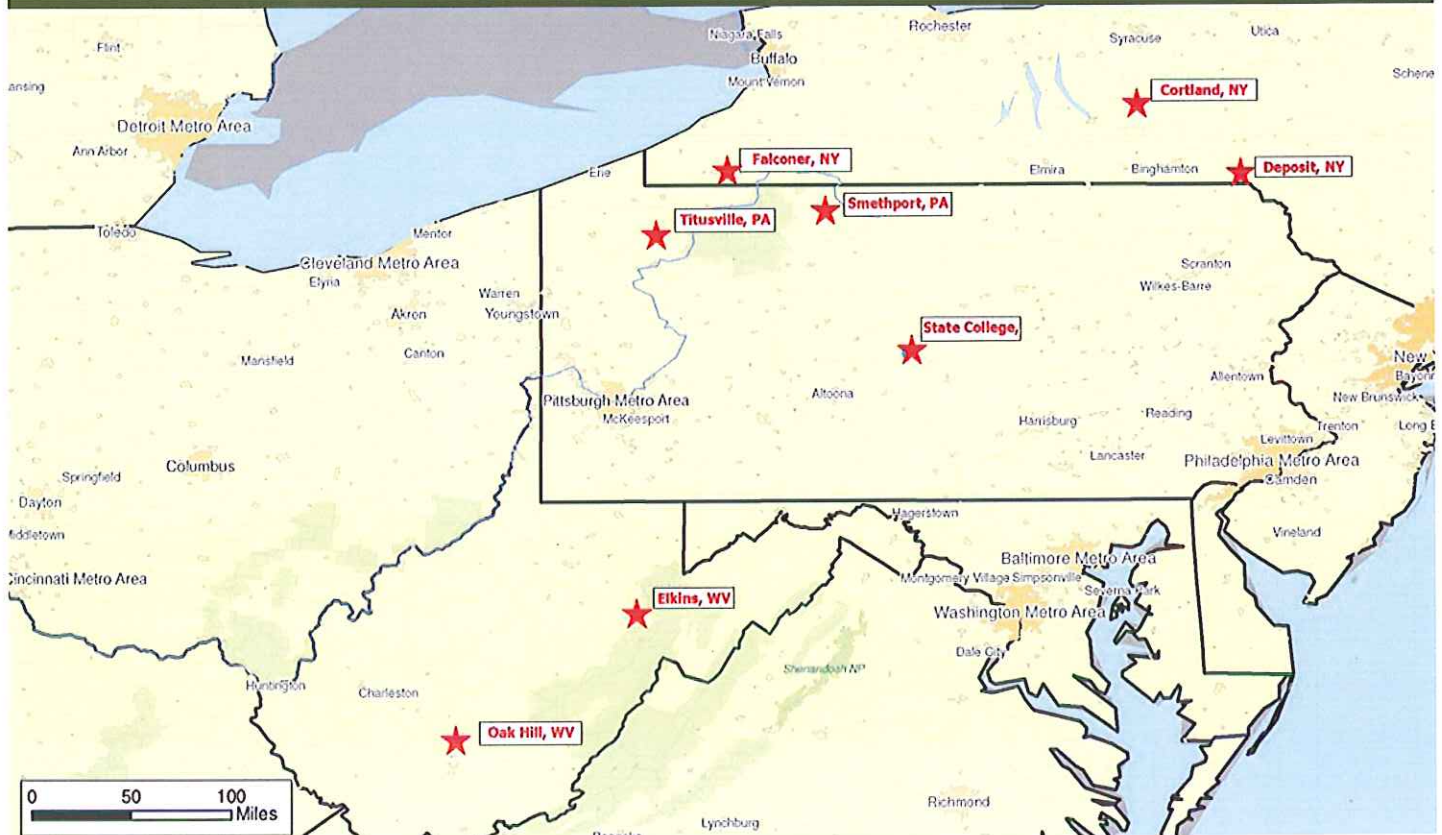
-  ✦ Subsurface Resource Management
 - ✦ Gravel Mine Permitting
 - Well-Site Damage Assessments
 - Oil and Gas Well Lease Analysis

- ✦ General
 - Recreational Trail Design
 - Utilization Studies



ANDREW R. JOHNSON, PE, CPESC
CIVIL ENGINEERING SERVICES

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CELL: (716) 664-1661
FAX: (716) 664-6648
ANDYJOHNSON28@HOTMAIL.COM
1890 EAST MAIN STREET
FALCONER, NY 14733



SATELLITE WORK OFFICES THROUGHOUT
NEW YORK, PENNSYLVANIA & WEST VIRGINIA

FALCONER, NY

CORTLAND, NY

HANCOCK, NY

SMETHPORT, PA

TITUSVILLE, PA

STATE COLLEGE, PA

ELKINS, WV

OAK HILL, WV

ENVIRONMENTAL-WATER RESOURCES-HEALTH & SAFETY

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ENVIRONMENTAL-WATER RESOURCES-HEALTH & SAFETY

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EcoStrategies

Civil Engineering, PLLC.

ABOUT

EcoStrategies is a civil engineering firm specializing in the fields of Environmental, Water Resources, and Health and Safety. Andy Johnson is the Principal Engineer for EcoStrategies. Mr. Johnson is a Professional Civil Engineer (PE) licensed in New York State and is also a Certified Professional in Erosion & Sediment Control (CPESC). Mr. Johnson has a bachelor's degree in *Civil Engineering* and a master's degree in *Environmental and Water Resources Engineering* and spent eight years working for one of the top 10 engineering consulting firms in the world.

EcoStrategies can provide high quality civil engineering services to the public and private industry at an exceptional value. Clients can expect dedicated service, responsiveness, agility, competitive rates and innovative cost-saving solutions. EcoStrategies home office is located in Falconer, New York with seven satellite work offices located throughout New York, Pennsylvania & West Virginia.

WATER RESOURCES

- Design of Pipelines, Culverts, Ditches, Open Channels, and Water Conveyance Structures
- Grading and Drainage Plans
- Storm water Pollution Prevention Plans (SWPPPs)
- State Pollutant Discharge Elimination System (SPDES) Permits
- Erosion and Sediment Control Plans (ECPs)
- Design of Storm water Best Management Practices (BMPs) (sediment basins, check dams, etc.)
- River/Streambed Restoration
- Pond or Dam Planning, Permitting, Design, Compliance, and Maintenance
- Wastewater and Drinking Water Infrastructure
- Construction Oversight, Inspection, and Stewardship
- On-call Services for Local Municipalities and Private Entities

ENVIRONMENTAL SERVICES

- Oil and Gas Industry
 - Planning, Permitting, and Compliance for Pipelines, Roads, and Drilling Pads
 - Erosion and Sediment Control Plans (ECPs)
 - Storm Water Pollution Prevention Plans (SWPPPs)
 - Wastewater Planning, Management, Characterization & Disposal Coordination (for hydrofracking)
 - Road Design and Drainage.
 - Construction Oversight, Inspection, and Stewardship
- Gravel Mines
 - Planning, Permitting, and Compliance
 - Reclamation Plans
- Sewage Permits
- Remediation (Clean-up of Soil and Water)
- Brownfield Restoration
- Groundwater Monitoring and Reporting
- Feasibility Studies
- Remedial Action Plans
- Sampling, Monitoring, and Reporting
- Environmental Assessments (Phase I & Phase II)
- Strategic Planning (Life Cycle Costs Analysis)
- Evapotranspiration (ET) Covers (Design, Build, Operate, Maintain)
- Biomass planning and development (Energy Crops)
- Ecological Restoration and Enhancement (forest engineering)
- Wetland/Watershed Planning, Permitting, Design and Reclamation
- Trail Design
- On-call Services for Local Municipalities and Private Entities

HEALTH & SAFETY SERVICES

- Client Specific Lock-Out Tag-Out (LOTO) Programs and Procedures
- Health and Safety Plans
- Health and Safety Stewardship and Oversight
- Safety Inspection Services

Education

B.S., Civil / Environmental
Engineering, State University of New
York College of Environmental
Science and Forestry (SUNY-ESF)
and Syracuse University, 2003

M.S., Environmental / Water
Resources Engineering, SUNY-ESF
and Syracuse University, 2005

**Professional Engineering
Experience**

ARCADIS – 6 yrs
BBL – 2 yrs

Other Experience

New York State Research Foundation
– 1.5 yrs
FORECON – Summer Employment

Professional Registrations

Professional Engineer (PE) New York
State License #090743.

Certified Professional in Erosion and
Sediment Control (CPESC) #6564

*Note: Awaiting reciprocity application
for PE license in Pennsylvania and
West Virginia.*

Training

40-Hour OSHA Hazardous
Waste Operations (HAZWOPER)
Safety Training

8-Hour OSHA HAZWOPER
Refresher Training

10-Hour OSHA Construction Safety
Course

Loss Prevention System (LPS)
Training

CPR and First Aid Training

National Safety Council (NSC) 6-Hour
Defensive Driving Course

Smith System Driver Training

HazMat#1: DOT/IATA HazMat
Shipping and Transportation

RCRA/Hazardous Waste Generator
Training

Mine Safety and Health Administration
Training (MSHA) Training

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Andy Johnson has 8 years of professional experience working on a variety of engineering projects. Mr. Johnson specializes in environmental, water resources, and health and safety projects. He is a project manager and provides office support (i.e., engineering design, calculations, work plans, permitting) as well as field support and oversight for project implementation. Mr. Johnson has maintained a safety record of zero accidents and has completed tasks on-time and on-budget. Below is list of select projects and experience.

Project Experience**Chevron – Wastewater Pipeline Removal Project**

Mountain Pass, California
2010-2012

Assistant project manager, on-site operations manager, and primary point of contact for agencies and client for the removal of a 14.8-mile radioactive wastewater pipeline and impacted soils associated with the pipeline. Mr. Johnson oversaw all on-site operations and served as the Site Safety Officer (SSO) on behalf of Chevron. Engineering work activities included planning and oversight for the removal of 14.8-miles of pipeline, 173 tons of pipescale, 68,000 gallons of wastewater, 1.9-miles of abandoned steel freshwater pipeline, and approximately 1,800 tons of impacted soil. Mr. Johnson also provided direct oversight and supervision for sampling and assessing over 70 potential wastewater release areas. Lastly, he developed two feasibility studies for the closure of two evaporation ponds (each pond over 100 acres in size) where the pipeline discharged the wastewater. The project team consisted of 15 individuals and included biologists, geologists, radiological specialists, agency representatives, and construction personnel.

Mr. Johnson was involved in project planning, permitting and development, and worked with six different agencies and their associated project permits (i.e., National Park Service, Bureau of Land Management, California Department of Fish & Game, United States Fish & Wildlife Service, California Water Board – Lahonton Region, California Department of Public Health). The tasks included writing various work plans, sampling plans, stormwater pollution prevention plans (SWPPP), Erosion Control Plans (ECP), and agency reporting. Mr. Johnson and the project team maintained a safety record of zero accidents, zero permit violations, and completed all tasks on-time and on-budget.

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Chevron – El Paso Refinery

El Paso, Texas
2007

Completed a full engineering design package for a light non-aqueous phase liquid (LNAPL) recovery system according to company and regulatory standards. Selected skimmer pumps, determined pipe sizes and materials, determined tank sizes for recovered product, designed a monitoring and telemetry system, two equipment enclosures, a sampling schedule, and developed an operations and maintenance (O&M) manual.

Chevron – Orlando Superfund Site

Orlando, Florida
2007-2012

Provided engineering support and oversight for source reduction ("dig and haul") activities, which included the removal and disposal of approximately 4,100 tons of pesticide-impacted soil from the site.

Provided engineering support for the design, implementation, and monitoring of permeable reactive barriers (PRB's) installed at the site to reduce concentrations of pesticides in groundwater.

Chevron – Operations & Maintenance (O&M) Portfolio

Various States
2005-2012

Provided science and engineering support for a portfolio of over 30 Chevron sites located in 13 states. Work includes groundwater monitoring reports, assisting with costs proposals, health and safety plans, and developing responses to agency letters.

Chevron – West Coyote Hills

Fullerton, California
2008-2010

Developed a SWPPP for a former oil field site and performed routine stormwater inspections after rain events in accordance with regulatory and site requirements.

United Technologies Corporation Pratt & Whitney Rocketdyne (UTC-PWR)

San Jose, California
2005-2008

Provided engineering support for various projects at a former rocket manufacturing facility. Projects included developing SWPPP's and ECPs at over 30 construction sites located in five watersheds for decommissioning and demolition activities; developed a Surface Soil Remediation Work Plan; developed an In-Situ Bioremediation Trench Work Plan; and performed earthwork and design calculations for an engineered surface cover.

ANDREW R. JOHNSON, PE, CPESC

CIVIL ENGINEER

Chevron – Former Tappan Terminal Site

Hastings-on-Hudson, New York
2012

Developed a Remedial Design Report which included the design of a two foot thick soil/vegetative cover (cap) across 7-acres of property (25,000 cubic yards of soil). The report included a Work Plan, Design Drawings, a Health & Safety Plan, a SWPPP, a Site Management Plan, a Construction Quality Assurance Plan (CQAP), and Citizen Participation Plan (CPP).

Universal Studios Hollywood

Hollywood, California
2005-2012

Developed a site-wide Lock-Out Tag-Out (LOTO) safety program for the client. This included generating over 5,000 unique LOTO procedures for equipment located throughout the park. Equipment was categorized under the following maintenance departments: Animations, Electrical, Heating Ventilation and Air Condition (HVAC), and Sound/Video. Performed field inspections to analyze equipment and built-in safety controls. Most recent projects include *King Kong* (2011) and *Transformers* (2012).

National Institute of Standards and Technology

Boulder, Colorado
2012

Developed a site-wide LOTO program for the client. The program assessed over 3,000 pieces of equipment and included the development of over 800 unique LOTO procedures for various types of HVAC and laboratory equipment.

Maryland Port Administration

Baltimore, Maryland
2008

Developed LOTO program for equipment located throughout the Port of Baltimore as part of a site-wide health and safety program. The program included approximately 200 unique LOTO procedures for cranes and related equipment.

City of Santa Barbara – El Estero Project

Santa Barbara, California
2007

Provided engineering support for a wetland restoration project aimed at restoring habitat for the southwest pond turtle and providing public outreach to the community.

[illegible]

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

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