



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 5

List View

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

Procurement Folder: 926836

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0803

Vendor ID:

SO Doc ID: DOT2200000040

Legal Name: ALLSTAR ECOLOGY LLC

Published Date: 9/21/21

Alias/DBA:

Close Date: 9/28/21

Total Bid: \$737,675.00

Close Time: 13:30

Response Date:

Status: Closed

Response Time:

Solicitation Description:

Responded By User ID:

Total of Header Attachments: 5

Total of All Attachments: 5

First Name:

Last Name:

Email:

Phone:

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Highway Pollinator Mitigation Site Development & Maintenance	1.00000	LS	737675.000000	737675.00

Comm Code	Manufacturer	Specification	Model #
70110000			

Commodity Line Comments: Your line for Complex Soil Remediation makes little sense without better quantification of how big is each area and where are they located.

Extended Description:

Highway Pollinator Mitigation Site Development & Maintenance 6622C001
See attached pricing pages.

**Highway Pollinator Mitigation Site Development and Maintenance Initiative
Attachment A (ATT A) PRICING PAGES
CRFQ DOT22*40**

VENDOR INSTRUCTIONS: Please enter a bid price for all items listed below. Contract Items E-1 through E-4 shall be bid per the sum of all species within the APPROVED WV NATIVE WILDFLOWER MIXES, EXHIBIT 4 (EXH 4), at the Application Rate specified in Exhibit 4 for each plant species. Provide the seed source for each mix. If additional space is necessary for Seed Sources - Please list on a separate page and submit with your bid. Contract shall be awarded to the low bid Vendor based on the total extended price, who meets all requirements of the contract specifications.

Failure to bid all items shall result in the disqualification of the bid.
Failure to provide a seed source will result in disqualification of bid.

Vendor Name: AllStar Ecology LLC
Vendors Base Location(s): 1582 Meadowdale Rd
Fairmont WV 26554

Item #	Estimate*	Description	Units	Price/Unit	Extended Price
A	104	Horticulture Consulting Services	Hours	65	\$650 6760
B	147	Pollinator Site Installation	Acre	195	\$0.00 28665
C	260	Path Substrate	Cubic Yard	65	\$0.00 16900
D-1	15	Simple Soil Remediation	Site	2000	\$0.00 30000
D-2	10	Complex Soil Remediation	Site	35000	\$0.00 350000
F	200	Herbicide Treatment	Acre	180	\$0.00 36000
G-1	1200	Maintenance - Establishment Period (Year 0 Through Year 3)	Hour	55	\$0.00 66000
G-2	250	Mature Site Maintenance & WVDOH Training (Years 4+)	Hour	55	\$0.00 13750
H	75	Mobilization	Lump Sum	850.00	\$0.00 63750

NOTE: Mileage will be reimbursed at the rate of \$0.56 per mile, round-trip, as per Section 3.2.8 of the Contract Specifications.

SEED MIXTURES AND SOURCES***					
Item #	Estimate*	Description	Units	Price/Unit	Extended Price
E-1	165	High Visual Base Mix	Per Acre**	685	\$0.00 113,025
E-1 SEED SOURCE(S):		Ernst Seed			
E-2	18	Diverse Pollinator Add-On Mix	Per Acre**	410	\$0.00 7380
E-2 SEED SOURCE(S):		Ernst Seed			
E-3	27	Introduced Annual Add-On Mix	Per Acre**	120	\$0.00 3240
E-3 SEED SOURCE(S):		Ernst Seed			
E-4	7	Wet Mix Add-On Mix	Per Acre**	315	\$0.00 2205
E-4 SEED SOURCE(S):		Ernst Seed			

TOTAL OVERALL COST

~~\$0.00~~ 737,676

*Estimated quantities listed in this Solicitation are statewide approximations only. It is understood and agreed that the contract shall cover the quantities actually ordered during the term of the contract, whether more or less than the quantities shown. There is no guarantee of purchase of any items on this Pricing Page.

**Reference Exhibit 4 (EXH 4) "Approved WV Native Wildflower Mixes" for application rates for each species of PLS for every one acre installed.

***Seed Sources must meet requirements of Section 3.2.4. If additional space is needed to provide Seed sources, please list on a separate sheet of paper and include information with your pricing pages.

**Highway Pollinator Mitigation Site Development and Maintenance Initiative
ATTACHMENT C (ATT C) VENDOR EXPERIENCE FORM**

VENDOR INSTRUCTIONS: Please provide information requested in the fields below, and submit this form with your bid, including all other documentation specified below and in the contract specifications. **Failure to complete sections I and II below or failure to provide ATT C with your bid submission will result in the disqualification of your bid.**

Vendor's Name: AllStar Ecology LLC

I. Years' Experience: Please provide the number of years of experience your business has had working professionally with native wildflowers: *

10 Years

II. Pollinator Site References: Please provide three (3) native wildflower pollinator sites your business has established along with the site owners contact information:

Site Name, Owner, Phone Number	Location	Year Established
1 Mon site Dan Ludwig (NRCS contact) 717-237-2256	Chester, PA	2020
2 Pleasant Hills Arboretum Greg Smith 412-881-3434	199 W Bruceton St. Pittsburgh PA 15236	2021
3 Tinnell Property Robert Tinnell 323-229-9466	2161 Beaver Hollow Rd. Bruceton Mills	2021

III. Additional Information: Please provide a brief description of experience that is relevant to this contract. This description is not required for the bid evaluation but is requested to inform WVDOH on Vendor's qualifications and expertise relevant to pollinator mitigation. If you need additional space, please include additional pages.

See Attached Past Work experience in Appendix B.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Ryan L. Ward, Member
(Name, Title)
Ryan L. Ward, Member
(Printed Name and Title)
1582 Meadowdale Rd Fairmont, WV 26554
(Address)
304-816-3490 / 866-213-2666
(Phone Number) / (Fax Number)
ryan@allstarecology.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

AllStar Ecology LLC
(Company)

Ryan L. Ward, Member
(Authorized Signature) (Representative Name, Title)

Ryan L. Ward, Member
(Printed Name and Title of Authorized Representative)

9/20/2021
(Date)

304-816-3490 / 866-213-2666
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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: AllStar Ecology LLC

Authorized Signature: [Signature] Date: 9/28/2021

State of West Virginia

County of Marion, to-wit:

Taken, subscribed, and sworn to before me this 28 day of September, 2021

My Commission expires June 14, 2024.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 01/19/2018)



REQUEST FOR QUOTATION
CRFQ DOT2200000040
Highway Pollinator Mitigation Site Development and Maintenance Initiative

10. MISCELLANEOUS:

- 10.1 No Substitutions:** Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.
- 10.2 Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.
- 10.3 Reports:** Vendor shall provide semi-annual reports which shall include planted acreage amounts, descriptions of site progress, areas of concern, and pollinator site photographs of each site during peak growth. Annual summaries to the WVDOH Technical Support Division, NEPA Compliance and Permitting Section, showing the type and quantity of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports to the WVDOH Operations Division and/or the West Virginia Purchasing, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. **Failure to supply such reports may be grounds for cancellation of this Contract.**
- 10.4 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: Ryan Ward
Telephone Number: 304-816-3490
Fax Number: 866-213-2666
Email Address: ryan@allstarecology.com

Vendor shall inform the Agency in writing of any changes to the information provided above within ten (10) calendar days of such changes. Failure to comply may be grounds for cancellation of this contract.

Highway Pollinator Mitigation Site Development and Maintenance Initiative
ATTACHMENT D (ATT D) BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION FORM

BYRD ANTI-LOBBYING AMENDMENT CERTIFICATION
(To be submitted with each bid or offer exceeding \$100,000)

The undersigned, [Company] AllStar Ecology LLC certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, [Company] AllStar Ecology LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 *et seq.*, apply to this certification and disclosure, if any.

Ryan L. Ward
Signature of Contractor's Authorized Official

Ryan L. Ward, Member
Name and Title of Contractor's Authorized Official

9/28/2021
Date

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: AllStarEcology LLC Address: 1582 Meadowdale Rd
Fairmont WV 26554

Name of Authorized Agent: Ryan Ward Address: 1582 Meadowdale Rd Fairmont 26554

Contract Number: CRFQ DOT2200000040 Contract Description: _____

Governmental agency awarding contract: WV Division of Highways

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

Ryan L. Ward
Gregory L. Skort Jr.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature:  Date Signed: 9/28/2021

Notary Verification

State of West Virginia, County of MARION:

I, MARIAH CUNNINGHAM, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 28th day of September.


Notary Public's Signature

To be completed by State Agency:
Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DOT2200000040

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input checked="" 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 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.

AllStar Ecology LLC

Company



Authorized Signature

9/28/2021

Date

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

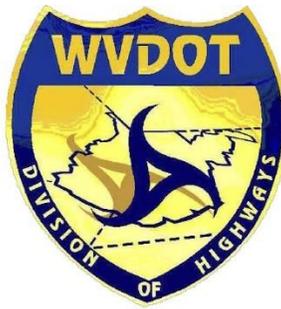
Pollinator Sites Plan

for

Highway Pollinator Mitigation Site Development and Maintenance Initiative



Prepared For:



Prepared By:



AllStar Ecology, LLC.
1582 Meadowdale Rd.
Fairmont, WV 26554

Introduction

AllStar Ecology, LLC (ASE) was formed to provide sound environmental consulting on natural resource issues. ASE takes pride in its willingness and flexibility to ensure that the goals of its clients are met along with the compliance with natural resource regulations. We provide highly efficient, specialized assistance to utilities, gas/mineral extraction companies, engineers, consultants, developers, non-profits, government agencies, etc. for projects involving natural resource issues such as streams and wetlands, rare-threatened-endangered species, archaeological/cultural resources, and wildlife/habitat management.

ASE is pleased to provide this plan to the West Virginia Division of Highways (WVDOH) for the implementation and development of sites as part of their Highway Pollinator Mitigation Site Development and Maintenance Initiative. ASE's diverse team of specialists are well suited to this task as the company can pull from its Pollinator, Vegetation Management, and Botany Sections to assemble a team to provide unparalleled service and capability in West Virginia. Resumes of Key Personnel for this plan are included in Appendix A. Examples of past work of each team is included in Appendix B. ASE is a licensed contractor (WV046329) and Licensed Pesticide Application Business (#1303), in WV and other states, so it can perform the necessary maintenance (mowing/herbicide work) in house without having to sub-contract the work. Copies of ASE's licenses are included in Appendix C.



ASE is a licensed contractor and pesticide application business in West Virginia and surrounding states.

Typical Site Plan

Based on experience, ASE proposes the follow steps to establish the planned pollinator plots.

Year 0 (Estimated hours: Establishment 1000, Maintenance 500)

1. Review soil test results obtained by the West Virginia Extension Service and determine which plots need soil remediation.
2. Order desired seed mixes and obtain PLS certification test results.
3. Early spring visit plots to determine any final needs as assess growth of undesirable plants and if any mowing is needed.
4. Perform the soil remediation on any sites needing that treatment
5. Perform an herbicide application to control any regrowth and mow any plots that may have excessive amounts of vegetative matter.
6. In April 2022, drill pollinator mixes with no-till drill
 - a. Construct pathways through educational plots where needed.
 - b. Spray constructed paths with pre-emergent herbicide

7. May-August 2022, perform monthly checks
 - a. Mow plots when they reach 12 inches tall down to 6 inches, maintain mowed borders.
 - b. Spot spray any invasive or undesired weeds

Year 1 (Estimated Maintenance: 500 hours)

1. April 2023, check for cool season grass competition and spray with grass selective herbicide if needed.
 - a. Maintain paths with pre-emergent herbicide.
2. May 2023, check for growth and spot spray invasives and undesirable weeds. Overseed areas if needed.
3. May-August 2023, maintain mowed borders of plots and monitor progress

Year 2 (Estimated Maintenance: 500 Hours)

1. April 2024, check for cool season grass competition and spray with grass selective herbicide if needed.
 - a. Maintain paths with pre-emergent herbicide.
2. May 2024, check for growth and spot spray invasives and undesirable weeds. Overseed areas if needed.
3. May-August 2024, maintain mowed borders of plots and monitor progress.

Year 3 (Estimated Maintenance: 500 hours (not including trainings))

1. April 2025, check for cool season grass competition and spray with grass selective herbicide if needed.
 - a. Maintain paths with pre-emergent herbicide.
 - b. Hold training days for WVDOH crews on spring maintenance
2. May 2025, check for growth and spot spray invasives and undesirable weeds. Overseed areas if needed.
3. May-August 2025, maintain mowed borders of plots and monitor progress.
 - a. Hold training days for WVDOH crew for summer maintenance.

Proposed Herbicides

ASE vegetation management program is well versed in the use of herbicides and proposes the following products to achieve the desired goals.

Round-Up Custom for Aquatic and Terrestrial Use (EPA Reg No. 524-343): A non-selective, systemic herbicide with an active ingredient of 53.8% glyphosate for foliar applications of actively growing plants. Used for site preparation and general weed maintenance.

Vastlan (EPA Reg No. 62719-687): A systemic herbicide with an active ingredient of 54.72% triclopyr for the control of woody vegetation and broadleaf perennials. For pollinator plot maintenance this herbicide is used to spot treat woody plants and other undesirable weeds and to promote warm season grasses.

Intensity One (EPA Reg No. 34704-976): A grass selective herbicide with an active ingredient of 12.6% clethodim. This herbicide is used to control grasses in plots, usually cool season grasses, but can also be used to control warm season species in-lieu of mowing or fire.

Esplanade 200 SC (EPA Reg No. 432-1516): A pre-emergent herbicide with an active ingredient of 19.05% indaziflam used for bare ground control. This herbicide would be used on non-paved pathways to keep them free of vegetation.

Seed Source

Seed will be obtained from Ernst Seed in Meadville, PA (<https://www.ernstseed.com>) and the order will be based on Pure Live Seed (PLS rates). Ernst Seed is a time tested supplier of seed in the region. Documentation from Ernst Seed on how their PLS testing is done is included in Appendix D.

Soil Remediation

Simple: It was assumed for our cost in this proposal that simple soil remediation would include two tons of lime per acre and 300 pounds of 10-10-10 fertilizer or equivalent per acre. The amendments would be incorporated into the upper layers of soil with a roto-tiller or similar equipment.

Complex: This treatment seems wholly unpractical, but we assumed it would only be done on small sites less than ½ acre and would only require removal and replacement of the upper 0.25 foot of soil.

Conclusion

Thank you for the opportunity to bid on this important work for the state of West Virginia that we also call home. If you have any questions or need clarification, please reach do not hesitate to reach out.

Appendix A:

Resumes of Key Personnel

Ryan Ward: Senior Project Manager/Owner

Greg Short: Senior Project Manager/Lead Botanist/Owner

Ernie Smith: Senior Environmental Scientist/ Lead Pollinator Biologist

Ryan L. Ward

- *Senior Project Manager*



Ryan Ward is an owner of AllStar Ecology and has worked throughout the United States on various projects with an emphasis on wildlife research. Mr. Ward has studied in environments in Texas, New Mexico, Arizona, and Oklahoma. He also has extensive regulatory experience throughout the Mid-Atlantic region, especially in West Virginia and Virginia where he is a Certified Professional Wetland Delineator. Mr. Ward specializes in stream and wetland issues including delineation, compensatory mitigation, permitting, natural stream design, and wetland restoration. As a Project Manager, Mr. Ward has worked on regulatory compliance and approval for over 800 projects in West Virginia and Ohio. He is also the qualified individual for the company's contracting and pesticide application licenses in various states.

Education

- West Virginia University, Morgantown, WV
 - M.S. Wildlife and Fisheries Resources (2005)
 - Thesis: The Effects of Roads and Culverts on Stream and Stream-side Salamander Communities in Eastern West Virginia.
- Texas Tech University, Lubbock, TX
 - -B.S. in Honors Studies, Wildlife and Fisheries Management (2003)
 - -Minor: Biology

Work Experience

- AllStar Ecology LLC 2009-current
 - Senior Environmental Scientist/Project Manager/Owner
- Spring Peeper Farm & Nursery 2007-current
 - Owner/Operator
 - Manage a 236 acre farm, producing native bioengineering materials for stream and wetland restoration projects.
- Mountain State Aquatic Resources, LLC 2007-2009
 - Environmental Scientist/President
 - Started and ran a small company providing turnkey consulting for issues regarding streams and wetlands including permitting and mitigation.
- Virginia Waters and Wetlands, Inc., Warrenton, VA 2005-2009
 - Aquatic Ecologist/Project Manager
 - Duties included work in Virginia and West Virginia conducting wetland delineations, mitigation planning, storm water pollution prevention plan (SWPPP) preparation and monitoring, wetland permitting (SPGP, Nationwide, and Individual permits), securing mitigation sites, designing

stream restoration plans using natural stream design principles, construction and mitigation monitoring, GIS (ArcGIS 9.2) mapping and analysis, water quality monitoring, environmental site assessments, macroinvertebrate sampling, wetland and stream assessments, managing employees and subcontractors, developing project budgets.

- West Virginia University, Division of Forestry, Morgantown, WV 2003-2005
 - Research Assistant
 - Responsibilities included conducting research on the effects of road culverts on stream and streamside salamander populations in the upper Cheat River basin and possible environmental mitigation opportunities for West Virginia Division of Highways. Research included identifying impacts to streams from road culverts and assessing water quality, habitat, and geomorphic stability of streams and mitigation possibilities. Additional tasks involved salamander and fish sampling, surveying culverts and obtaining stream longitudinal profiles, use of GIS (ArcGIS 9.0) for analysis and collection of data, data entry and statistical analysis, writing technical reports, and writing scientific articles. Work was conducted with other graduate students and technicians under my supervision.

- Texas Cooperative Fish and Wildlife Research Unit, Lubbock, TX 2002-2003
 - Research Technician
 - Part-time responsibilities included working independently conducting full day monitoring of black-tailed prairie dog (*Cynomys ludovicianus*) towns. Full-time work from June 2002-Aug 2002 included working with a team of five technicians lead by two graduate students conducting small mammal and herptile trapping with Sherman and pitfall traps. Additional duties included work with ArcView (GIS), global positioning systems (GPS), and vegetation identification and measuring.

- USDA Forest Service, Lincoln National Forest, Carlsbad, NM 2001
 - Forestry Technician GS-462-4
 - Duties included working with and leading a crew for fire suppression, fuels management, endangered species surveys for Kuenzler's hedgehog cactus (*Echinocereus fendleri* var. *kuenzleri*), removal of exotic species, and equipment maintenance.

- Texas Tech University, Canadian, TX 2000
 - Research Technician
 - Duties included working with another technician and graduate student conducting research using radio telemetry on Rio Grande turkeys (*Meleagris gallopavo intermedia*) from hand held and vehicular mounted antennas. Additional duties included GPS work, vegetation identification and measuring, and data entry.

Professional Certifications and Memberships

- Virginia Professional Wetland Delineator (#3402000105)
- Commercial Pesticide Applicator: C05592 (WV), 129851(OH), 31179-81828(MD) 906091 (PA), 50361 (KY), 154211 (VA), 26094 (DC), CO901360 (NY)
 - Categories:
 - Aquatic Application
 - Hardwood Crop Tree Release
 - Industrial Right of Way/Weed
 - Forest Pest
 - Ornamental and Turf
- Land Certification Program Inspector (#314725): Quality Deer Management Association
- Memberships:
 - Society of Wetland Scientists
 - The Wildlife Society
 - National Speleological Society
 - National Deer Association (formerly Quality Deer Management Association)
 - Ducks Unlimited
 - Delta Waterfowl
 - National Wild Turkey Federation
 - Ruffed Grouse Society/American Woodcock Society
- West Virginia Contractors License (WV046329) (passed general exam in 2007)
 - Categories: Excavation, General Engineering (passed both exams in 2013)
- Virginia Contractors License (Class A) #2705171487
 - Specialty Designation: Landscape Services (passed exams in 2019)
- Licensed Pesticide Application Business 1303 (WV-passed exam in 2007), 104413 (OH), 31179 (MD), BU13289 (PA), 38897 (KY-passed exam in 2018), 15018 (VA-passed exam in 2020), 10543 (DC), 17802 (NY passed exam in 2020)

Continuing Education

- Stream Training:
 - West Virginia University Natural Stream Design Short Courses
 - Introduction to Stream Functions and Processes—Course 1 (2003)
 - Methods for Stream Assessment and Analysis—Course 2 (2003)
 - North Carolina State Stream Restoration Program (Instructor: Greg Jennings, Ph.D)
 - Level III: Advanced Stream Restoration Design Principles (2008)
 - RC 401 Construction Practices for Stream Restoration (2011)
 - Stream Mechanics (Instructor: Will Harman, PG)
 - Assessing and Restoring Headwater Mountain Streams (2013)
 - Stream Functions Pyramid and SQT Workshop (2020)
 - Wildland Hydrology, Inc. (Instructor: Dave Rosgen, PH, Ph.D)
 - Level I: Applied Fluvial Geomorphology (2015)
 - Level II: River Morphology & Applications (2015)
 - Level III: River Assessment & Monitoring (2015)
 - Level IV: River Restoration & Natural Channel Design (2015)

- Wetland Training:
 - Wetland Training Institute, Inc. (Instructor: Robert Pierce)
 - Wetland Delineation Course (2009)
 - Center for Wetlands and Stream Restoration (Instructor: Thomas Biebighauser)
 - -Jackson Wetland Construction Workshop (2009)
 - Wetland Restoration Training Course (2013)
 - Ecological Training Services (Instructor: John J. Mack)
 - Ohio Rapid Assessment Method v 5.0 Training Course (2012)
 - Midwest Biodiversity Institute (Instructors: Ed Rankin, Mick Micacchion)
 - Ohio Qualitative Habitat Evaluation Index (QHEI) Training Course (2013)
 - Headwater Habitat Evaluation Index (HHEI) Training Course (2013)

- Additional Training:
 - WV Department of Environmental Protection, WV Rivers Coalition (Instructors: Bill Timmermeyer, Evan Hansen)
 - Construction Storm Water 101 Workshop (2006)
 - Advisory Council on Historic Preservation
 - The Section 106 Essentials (2014)
 - Bickerstaff Consulting
 - PEC Safeland: Basic Safety Awareness Orientation (2013)
 - David Stanley Consultants
 - MSHA 24 Hour Training (2011)
 - Red Vector
 - Confined Space Entry (BBCSE00CEN) (2015)
 - Heartsaver
 - First Aid CPR AED (last renewed: 2019)
 - 360 Training
 - OSHA 10-Construction Safety and Health (36-006178834) (2018)
 - Marcellus Safety Consulting, LLC (Instructor: Wayne Lundstrom)
 - UTV and ATV Safety Training (2018)

Gregory L. Short Jr.

- **Senior Environmental Scientist / Lead Botanist**



Greg Short is an owner in AllStar Ecology and has worked throughout the eastern United States conducting vegetation surveys and threatened & endangered species surveys. Mr. Short has conducted floristic inventories in Ohio, Pennsylvania, Virginia, West Virginia, Delaware, and New Jersey. He has been affiliated with various private, state, and federal agencies conducting threatened & endangered species surveys for plants and mammals throughout Pennsylvania and West Virginia. Mr. Short is an experienced wetland delineator and has worked on projects for oil/gas, coal, and residential/commercial development.

Education

A.S. (2005): Natural Resources and Wildlife, Garrett College of Maryland, McHenry, MD

Experience

Senior Environmental Scientist/Botanist - AllStar Ecology, LLC	2009-current
Ecologist/Botanist - USDA Forest Service Research Station, Dunbar, WV	2009
Environmental Resource Specialist III - Hatch Mott MacDonald, Morgantown	2007- 2009
Ecologist/Botanist - USDA Forest Service, White Sulphur Springs, WV	2007
Field Botanist/Biological Technician - USDA Forest Service, Morgantown, WV	2006
Ecology Project Assistant - WV Natural Heritage Program WVDNR, Elkins, WV	2005-2006
Invasive Species Technician - WVDNR, Kingwood, WV	2004
Biological Science Technician - WVDNR, Kingwood, WV	2003

Professional Development

Society of Wetland Scientists
 USDA Forest Service Northern Research Station, Vegetation Specialist Certification
 Richard Chinn's 40 Hour Wetland Delineation Certification
 PADI Advanced Scuba Diver Certification
 Pennsylvania Wild Plant Management Permit
 Recognized botanist to conduct T&E Species by the US Fish & Wildlife, West Virginia DNR, and Pennsylvania DCNR
 Ohio Rapid Assessment Method v 5.0 Training Course (Ecological Training Services)
 Ohio Qualitative Habitat Evaluation Index (QHEI) and Headwater Habitat Evaluation Index (HHEI) Training Course (Midwest Biodiversity Institute)
 American Heart Association CPR and First Aid Training
 PEC Safeland Basic (Bickerstaff Safety Consulting)

Ernest W. Smith, M.S., PWS, CES

-Senior Environmental Scientist/Lead Pollinator Biologist



Ernie Smith is a Professional Wetland Scientist with AllStar Ecology, LLC leading projects in West Virginia, Virginia, Pennsylvania, Kentucky, and Ohio. Mr. Smith is experienced in stream and wetland delineation, functional assessments, as well as regulatory consulting with state and federal agencies. Mr. Smith is also competent in stream and wetland design/construction and leads stream/wetland contracting projects. Also, Mr. Smith conducts general bee surveys and other pollinator services in West Virginia.

Education

M.S. (2011): Biology (Plant Physiology), West Virginia University, Morgantown, WV.

B.A. (2007): Biology (emphasis in Ecology), West Virginia University, Morgantown, WV.

Experience

Stream and Wetland Restoration Specialist/Senior Environmental Scientist	2017-Present
Project Manager/Environmental Scientist II – AllStar Ecology, LLC	2013-2017
Environmental Scientist - AllStar Ecology, LLC	2012 -2013
Graduate Teaching Assistant - Department of Biology, West Virginia University	2009-2011
Laboratory Technician - West Virginia University Research Corporation	2008-2009

Professional Development

Society of Wetland Scientists: **Professional Wetland Scientist Certification (PWS#3007)**

Resource Institute, Inc: **River Morphology & Applications (Rosgen Training Level I)** 2016

Resource Institute, Inc.: **Applied Fluvial Geomorphology (Rosgen Training Level II)** 2016

Wildland Hydrology, Inc. **River Assessment and Monitoring (Rosgen Training Level III)** 2017

Wildland Hydrology, Inc. **River Restoration and Natural Channel Design (Rosgen Training Level IV)** 2018

WV Scientific Collection Permit for General Bee Surveys (**#2018.239**)(**#2019.349**)(**#2020.263**)(**#2021.131**)

Thomas Biebighauser: **Elkins Wetland Restoration Workshop** (18 hour training course)

360 Trainings: **Certified Environmental Specialist** (12 hour training course)

USFWS: **ESA Section 7 Consultation Training** (Elkins, WV 2016)

The Swamp School: **Wetland Delineation and Regional Supplements** (40 hour training course)

The Swamp School: **Conducting Effective Ecological Risk Assessments** (12 hour training course)

John Mack: **Ohio Rapid Assessment Method (ORAM) v 5.0**

Midwest Biodiversity Institute: **Ohio Qualitative Habitat Evaluation Index (QHEI) Training**

Midwest Biodiversity Institute: **Ohio Headwater Habitat Evaluation Index (HHEI) Training**

American Heart Association: **CPR and First Aid Training**

Bickerstaff Safety Consulting: **PEC Safeland Basic**

360 Trainings: **OSHA 10 Hour Construction Outreach** (10 hour training course)



ALLSTAR ECOLOGY
Natural Resource Specialists

AllStar Ecology LLC

Appendix B:
Past Work Examples of AllStar Ecology LLC

Pollinator Services

AllStar Ecology, LLC (ASE) was founded in 2007 to provide sound environmental consulting on natural resource issues. ASE started a pollinator program in 2018 to assess native bee species in West Virginia in cooperation with West Virginia Division of Natural Resources, U.S. Geologic Survey, and U.S. Forest Service. We have employees with specialized skills regarding plant identification and survey/monitoring methodologies for pollinators. To date ASE has assessed and surveyed thousands of acres of pollinator habitat and collected and processed thousands of bees. ASE biologists have the unique ability to provide guidance on native plantings and associated pollinator responses.



Pollinator Services

- Pollinator Surveys and Assessments
- Pollinator Habitat Enhancements
- Site Preparation for Native Plantings
- Native Plant implementation (no till drill, broadcast, plugs...etc.) and seed mix development
- Surveys for Rusty Patched Bumble Bee (*Bombus affinis*) and Monarch Butterfly (*Danaus plexippus*), via photography for collection.
- Pollinator Plot Monitoring (bees and vegetation)
- Member of Right-of-Ways for Habitat Working Group
- Member of US National Native Bee Monitoring Research Coordination Network
- Familiar with Candidate Conservation Agreement with Assurances (CCAA) for Monarch Butterfly and associated monitoring requirements
- Working relationships with local vendors to provide locally sourced, ecoregional focused plant material

AllStar Ecology, LLC.
1582 Meadowdale Rd.
Fairmont, WV 26554

Certifications / Licenses

- Licensed Contractor in West Virginia (WV046329)
 - General Engineering
 - Excavation
- ASE pollinator specialists hold a West Virginia (WV) Scientific Collection Permit to conduct bee surveys throughout WV.
- ASE is a Registered Nursery in WV (Certificate #900)
- AllStar Ecology, LLC is a licensed pesticide application business in West Virginia and surrounding states and ASE maintains a crew of commercial applicators and registered technicians. ASE is certified for aquatic, forest pest, hardwood crop tree release, industrial weed/right-of-way, and turf applications. ASE has provided services all over the mid-Atlantic region.
 - Pesticide Business Registration Numbers
 - West Virginia: 1303
 - Ohio: 104413
 - Maryland: 31179
 - Pennsylvania : BU13289
 - Kentucky: 38897
 - Virginia: 15018
 - Washington DC: 10543
 - New York: 17802

The AllStar Ecology Difference

Since its establishment, ASE has strived to develop a pollinator program to provide high quality data to government agencies, non-profits, land managers, and private landowners. Our extensive experience with surveying pollinators and their habitat gives us an advantage of knowing what works and what does not regarding native plantings and associated pollinator responses. We also work closely with government agencies who provide permits and manage large areas of land. ASE's knowledge, experience, and dedication are the keys to helping its clients achieve their goals.

Selected Project Experience

Contract Number: N/A

Award Amount: N/A (Employee Sponsored Volunteer Work)

Client/Company's Name/Address: **West Virginia Division of Natural Resources
Elkins, WV**

Contact Name and Telephone number: **Mack Frantz
(724)-825-6809**

Description of Work Performed: **Conducted native bee surveys for WVDNR on public land including State Parks, Wildlife Management Areas, and Monongahela National Forest. Identified Rusty Patched Bumble Bee (*Bombus affinis*) locations. Helped downlist the Yellow-Banded Bumble Bee (*Bombus terricola*) in WV.**



Bombus affinis collected in 2018

Date completed or scheduled for completion: **May 2108-Current**

Contract Number: **State Project # X142-H-38.99, Federal Project (ENG) # APD-0484** Award Amount: **\$16,911 (2019)**

Corridor H Parsons to Davis RPBB Presence/Absence Surveys

\$25,429 (2020)

Corridor H Wardensville to VA Presence/Absence Surveys

Client/Company's Name/Address: **Skelly and Loy
3280 William Pitt Way
Pittsburgh, PA 15238**

Contact Name and Telephone number:
**Steve Toki
(412)-426-7039**

Description of Work Performed: **AllStar Ecology provided thousands of acres of habitat assessments and performed presence/absence surveys for Rusty Patched Bumblebee (*Bombus affinis*) for two separate projects for WVDOH. The Corridor H Parsons to Davis and Wardensville to VA sections. ASE will continue to monitor and conduct surveys for three years.**



Date completed or scheduled for completion: **June 2019-December 2024**



Contract Number: **E8387** Award Amount: **\$140,086 (Construction), \$155, 982 (10 years monitoring)**

Big Sandy Fly Ash Pond Wetland Mitigation

Client/Company's Name/Address: **ENTACT, LLC**
1 E. Oak Hill Drive, Suite 102
Westmont, IL 60559

Contact Name and Telephone: **Susan Hale**
(606)-626-7902
shale@entact.com



Description of Work Performed: **This construction project involved excavating and grading over 1000 ft of low profile, earthen berm and creating over 2 acres of wetland mitigation in two cells. A riser was installed to elevate water level in the wetland. ASE performed all construction and vegetation management for the project. This included invasive species control, planting over 1,300 containerized tree seedlings, 1,500 wetland plugs, wetland seeding with compost amendment. Additionally, prairie grass/pollinator planting and maintenance was completed on the constructed berms. ASE also performed the as-built survey and is completing 10 years of post-construction monitoring for the project.**

Date completed or scheduled for completion: **Construction Completed October 2018, Monitoring 2029**

Contract Number: **12FPC120P0014**

Award Amount: **\$86,859**

NRCS PA Wetland/Pollinator Habitat Enhancement

Client/Company's Name/Address: **USDA-NRCS**
359 East Park Drive, Suite 2
Harrisburg, PA 17111

Contact Name and Telephone number: **Dan Ludwig**
Dan.ludwig@usda.gov
(717)-237-2256



Description of Work Performed: **For this project, AllStar Ecology provided vegetation management and native planting services at three separate sites with the goal of enhancing wildlife habitat (particularly for the blue spotted salamander, bog turtle, and pollinators). Plantings focused on improving, and restoring natural diversity, and enhancing aesthetics of a previously restored wetland. These goals were achieved through herbicide treatments, woody plantings, and herbaceous plantings by utilizing methods such as tilling, disking, flail mowing, and seeding native pollinator mixes.**

Date completed or scheduled for completion: **May 2021**



Contract Number: : N/A

Award Amount: **\$7,795 (2020)**
\$2,720 (2021)

Client/Company's Name/Address: **Private Landowner**
Independence, WV 26374

Contact Name and Telephone: **(Withheld due to landowner request)**

Description of Work Performed: **Allstar Ecology provided site prep services including brush clearing, soil preparation, and herbicide treatment on over 1,000 feet of electric ROW on private property. We then broadcast native pollinator seed mix along ROW to provide pollinator habitat. Additional work in 2021 included work to convert lawn areas into pollinator habitat.**

Date completed or scheduled for completion: **June 2020, May 2021**



Contract Number: N/A

Award Amount: **N/A Public Demonstration**

Client/Company's Name/Address: **WVU Jacksons Mill**
160 Jacksons Mill Rd.
Weston, WV 26452

Contact Name and Telephone number: **Sheldon Owens**
Wildlife Extension Specialist
(304)-293-2990
Sheldon.owen@mail.wvu.edu

Description of Work Performed: **AllStar Ecology provided vegetation management services to release native seedbank at WVU Jackson's Mill. Early season herbicide treatment released large milkweed component on a 2 acre site.**

Date completed or scheduled for completion: **2018**

Jacksons Mill Plot 2018-Existing Seedbank Cultivation



June 25



June 25



Contract Number: : **N/A**

Award Amount: **\$2,880**

Client/Company's Name/Address: **Pleasant Hills Arboretum
199 W. Bruceton St.
Pittsburgh, PA 15236**



Contact Name and Telephone number: **Greg Smith
(412) 881-3434
Gregandhelen@gmail.com**

Description of Work Performed: **Allstar Ecology is provided site preparation and no till drilling of native pollinator seed mix on approximately one acre of ground in the Pleasant Hills Arboretum.**

Date completed or scheduled for completion: **May 2021**

Vegetation Management

AllStar Ecology, LLC (ASE) was founded in 2007 to provide sound environmental consulting on natural resource issues and efficient solutions to permitting constraints. AllStar Ecology takes pride in its willingness and flexibility to ensure that the goals of its clients are met along with the compliance with natural resource regulations. We provide specialized vegetation management assistance to landowners, government agencies, gas/mineral extraction companies, engineers, consultants, developers, non-profits, etc. for projects involving streams and wetlands, rare-threatened-endangered species, or other environmental challenges. Unlike most landscape or tree service companies ASE's applicators and technicians are degreed scientists, biologists, foresters, or they are seasonal interns working their way towards a college degree and future career as an environmental professional.



Vegetation Management Services

- Invasive Species Control
- Reforestation/ Tree Planting
- Timber Stand Improvement
- Timber Site Prep
- Wildlife Management
- Vegetation Control
- NWSG Establishment
- Compensatory Mitigation Compliance
- Pollinator Habitat

AllStar Ecology, LLC.
1582 Meadowdale Rd.
Fairmont, WV 26554
www.AllStarEcology.com

Certifications / Licenses

AllStar Ecology, LLC is a licensed pesticide application business in West Virginia and surrounding states and ASE maintains a crew of commercial applicators and registered technicians. ASE is certified for aquatic, forest pest, hardwood crop tree release, industrial weed/right-of-way, and turf applications. ASE has provided services all over the mid-Atlantic region.

Pesticide Business Registration Numbers

- West Virginia: 1303
- Ohio: 104413
- Maryland: 31179
- Pennsylvania : BU13289
- Kentucky: 38897
- Virginia: 15018
- Washington DC: 10543
- New York: 17802

The AllStar Ecology Difference

Since its establishment, AllStar Ecology has strived to develop capabilities to manage various habitats to achieve desired goals such as wildlife management, forestry, total vegetation control, or management of areas around sensitive sites such as aquatic features. ASE experts are knowledgeable in the plants and vegetation communities and how to best achieve desired results from habitat manipulation and restoration practices. ASE has completed projects ranging from over 1,000 acre forest restorations to reestablishing a riparian buffer along few hundred feet of stream bank. ASE's knowledge, experience, and dedication are the keys to helping its clients achieve their goals.



Selected Project Experience

Contract Number: **2497-SRM-201** Award Amount: **\$17,500 (2014), \$20,357 (2015), \$19,357 (2016), \$21,500 (2017)**
\$20,250 (2018), \$22,750 (2019), \$24,735 (2020), \$14,850 (2021)

Client/Company's Name/Address: **Camp Dawson**
Kingwood, WV

Contact Name and Telephone number: **Rick Chaney**
(304)-791-4130

Description of Work Performed: **Treatment of training grounds in Preston County, WV for invasive species. Approximately 85 (2014), 98 (2015), 93 (2016), 100 (2017), 90 (2018), 91 (2019), and 97 (2020) acres of infestation were treated using foliar and hack/squirt methods. The infested acres were treated as part of an integrated pest management plan across the 3,000 acre site. Work was done with backpack sprayers, ATV mounted sprayers and vehicular mounted sprayer.**



Date completed or scheduled for completion: **Sept 2014-2021**

Contract Number: **W91237-14-T-0156, W91237-19-P-0057** Award Amount: **\$19,640 (2015), \$20,196 (2016),**
W91237-19-P-0044 **\$18,259 (2019), \$18,259 (2020), \$18,808 (2021)**

Client/Company's Name/Address: **USACE Huntington Locks and Dams**
502 Eighth Street
Huntington, WV 25701-2070

Contact Name and Telephone number:
Lockmasters: Chris Gress: (304)-586-2501
Buckner Douglas: (740)-378-6102
Bill Theiss: (304)-576-2272

Description of Work Performed: **AllStar Ecology provided all management, supervision, labor, materials, tools and equipment necessary to provide total vegetation control at the US Army Corps of Engineers Locks and Dams Project. Areas requiring herbicide treatment included: Winfield Locks and Dam, Robert C Byrd Locks and Dam, and Belleville Locks and Dam.**



New contracts in 2019-2021 for RCB and Winfield Locks.

Date completed or scheduled for completion: **Sept 2015, Sept 2016, Sept 2019, Aug 2020, Aug 2021**



Contract Number: **W912DR-19-P-0032** Award Amount: **\$7,505 (2014), \$7,505 (2015), \$7,731 (2016), \$7,732 (2017), \$9,343 (2018), \$14,147 (2019), \$14,147 (2020), \$14,512 (2021)**

Client/Company's Name/Address: **USACE Jennings Randolph Lake**
P.O. Box 247
Elk Garden, WV 26717

Contact Name and Telephone: **Bill Donnellan**
(304)-355-2346

Description of Work Performed: **ASE conducted herbicide application for vegetation control in both public and non-public use areas around the lake for dam maintenance, drain control, overlook maintenance, camp and picnic areas.**

Date completed or scheduled for completion: **July 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021**



Contract Number: **N/A** Award Amount: **\$8,550 (2018), \$12,168 (2019), \$12,167(2020), \$12,950 (2021)**

Client/Company's Name/Address: **City of Cumberland**
215 Bowen Street
Cumberland, MD 21502

Contact Name and Telephone number: **Tim Murphy**
Flood Control Coordinator
(301)-707-5146

Description of Work Performed: **AllStar Ecology provided vegetation management services for maintenance on the levees along the North Branch of the Potomac River and Wills Creek. ASE conducted a foliar herbicide application using a systemic herbicide to treat all vegetation located on the inside slope of the levees. This includes the approximately 16 acres of mostly rip-rap areas.**

Date completed or scheduled for completion: **August 2018, 2019, 2020, 2021**



Contract Number: **: DNR170000038** Award Amount: **\$62,007 (2017)**

Client/Company's Name/Address: **WVDNR**
Statewide Contract

Contact Name and Telephone: **Josh Simons**
(681) 495-2601

Description of Work Performed: **Allstar Ecology provided herbicide services at wildlife management areas across the state to aid in forestry and wildlife management operations. A variety of application methods were utilized including hack-n-squirt, backpack sprayers, UTV sprayers, and truck sprayers. AllStar coordinated efforts with the WVDNR forester and the Area Managers at each WMA.**

Date completed or scheduled for completion: **August 2017**



Contract Number: N/A

Award Amount: **\$141,800 (2019)**

Client/Company's Name/Address: **Ecosystem Investment Partners**
5550 Newbury St., Suite B
Baltimore, MD 21209



Contact Name and Telephone number: **Troy Anderson**
Assistant Director of Operations
(608)-212-6607

Description of Work Performed: **AllStar Ecology provided vegetation management services for the Upper Ohio and Tuscarawas mitigation sites in Jewett, OH. ASE conducted a foliar herbicide application using a systemic herbicide to treat all invasive vegetation in stream, wetland, and upland buffer areas. In all, 345 acres were treated using backpack, UTV and truck mounted sprayers.**

Date completed or scheduled for completion: **September 2019**

Contract Number: : N/A

Award Amount: **\$22,500 (2019)**

Client/Company's Name/Address: **MarkWest Energy Partners L.P.**
320 South View Drive, Suite 200
Bridgeport, WV 26330



Contact Name and Telephone number: **George Hilvers**
(304) 842-2197

Description of Work Performed: **Allstar Ecology provided Integrated Pest Management services for newly established vegetation on pipeline right-of-ways. ASE entomologists identified biotic and abiotic damage to vegetation on the right-of-way and technicians used a contact insecticide to spot treat problem areas for yellowstriped and fall armyworm.**

Date completed or scheduled for completion: **October 2019**



Contract Number: **N/A**

Award Amount: **\$272,650 (2019), \$34,256 (2020) \$45,067 (2021)**

Client/Company's Name/Address: **Antero Resources**
535 White Oaks Blvd.
Bridgeport, WV 26330



Contact Name and Telephone number: **Zach Parsons**
(304)-992-4005

Description of Work Performed: **AllStar Ecology provided vegetation management services for over 200 industrial sites including well pads (2019 only), pipeline interchanges, and compressor stations for Antero Resources in West Virginia and Ohio to control impeding vegetation in one visit per growing season.**

Date completed or scheduled for completion: **October 2019, April 2020, May 2021**

Contract Number: **: N/A**

Award Amount: **\$13,515 (2019)**

Client/Company's Name/Address: **WVDNR**

Contact Name and Telephone: **Josh Allison**
(304) 546-6201



Description of Work Performed: **Allstar Ecology provided tree felling services for the WVDNR on 17 acres of field edge at Hillcrest Wildlife Management Area to create a feathered edge for wildlife habitat in a cutback border practice.**

Date completed or scheduled for completion: **September 2019**



Contract Number: **N/A**

Award Amount: **\$48,449.50 (2018-19)**

Client/Company's Name/Address: **Mid Ohio Valley QDMA**

Contact Name and Telephone number: **Camron Stover**
(304)-688-4373

Description of Work Performed: **AllStar Ecology provided right-of-way, pre-harvest, and post-harvest vegetation management services for 169 acres at Lewis Wetzel Wildlife Management Area to enhance deer habitat.**

Date completed or scheduled for completion: **May 2019**



Contract Number: **: N/A**

Award Amount: **\$1,500 (2019)**

Client/Company's Name/Address: **Western PA Conservancy**
800 Waterfront Dr.
Pittsburgh, PA 15222

Contact Name and Telephone number: **Andrew Zadnik**
(412) 586-2318

Description of Work Performed: **Allstar Ecology provided site preparation services for 2 acres of field to be converted into wildflower plantings for pollinators.**

Date completed or scheduled for completion: **November 2019**





Contract Number: **AG-3434-P-16-0041**

Award Amount: **\$130,000 (2016)**

Client/Company's Name/Address: **USDA Forest Service**

Contact Name and Telephone number: **Jeff Kochenderfer**
(304)-257-4488

Description of Work Performed: **Upper Greenbrier Herbicide Spruce Commercial Units Project. AllStar Ecology provided hack-and-squirt herbicide application for a spruce restoration project in the Monongahela National Forest. The project spanned many months and approximately 1000 acres were treated.**

Date completed or scheduled for completion: **September 2016**



Contract Number: : **12343418Q0017**

Award Amount: **\$79,534 (2019)**

Client/Company's Name/Address: **USDA Forest Service**

Contact Name and Telephone number: **Jeff Kochenderfer**
(304)-257-4488

Description of Work Performed: **TyChest II Chemical Site Prep Project. AllStar Ecology provided hack-and-squirt herbicide application for a pre harvest timber stand improvement project in the Monongahela National Forest. The project covered 265 acres.**

Date completed or scheduled for completion: **July 2019**





Contract Number: N/A

Award Amount: \$2,500 (2019), \$2,500 (2020)

Client/Company's Name/Address: U.S Army Corps of Engineers

Contact Name and Telephone number: **Stacy Lewis**
(304)-265-1760



Description of Work Performed: **AllStar Ecology provided vegetation management services for Tygart Lake dam. Cracks and joints in the concrete dam face were treated with a systemic and pre emergent herbicide to control vegetation.**

Date completed or scheduled for completion: **September 2019, July 2020**

Contract Number: : **12343419P0036**

Award Amount: **\$30,627 (2019)**

Client/Company's Name/Address: **USDA Forest Service**

Contact Name and Telephone number: **Jeff Kochenderfer**
(304)-257-4488



Description of Work Performed: **Big Mountain Chemical Site Prep Project. AllStar Ecology provided hack-and-squirt herbicide application for a pre harvest timber stand improvement project in the Monongahela National Forest near Spruce Knob The project covered 85 acres.**

Date completed or scheduled for completion: **August 2019**

Contract Number: N/A

Award Amount: **\$7,200 (2020)**

Client/Company's Name/Address: **National Park Service**
Summersville, WV

Contact Name and Telephone number: **Douglas Manning**
(304)-465-6537



Description of Work Performed: **Treatment for hemlock woolly adelgid within the Gauley River National Recreation Area in Nicholas County, WV. Approximately 96 acres treated by applying CoreTect soil tablets of imidacloprid. Treated trees were selected by health and vigor, treatment location was recorded with a GPS unit, trees were tagged, and health and vigor data was collected.**

Date completed or scheduled for completion: **August-September 2020**

Appendix C:
AllStar Ecology LLC Licenses
West Virginia Contractor's License
and
West Virginia Pesticide Application Business License

CONTRACTOR LICENSE

Authorized by the

West Virginia Contractor Licensing Board

Number: WV046329

Classification:

GENERAL ENGINEERING
EXCAVATION

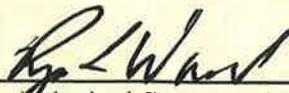
ALLSTAR ECOLOGY LLC
DBA ALLSTAR ECOLOGY LLC
1582 MEADOWDALE RD
FAIRMONT, WV 26554

Date Issued

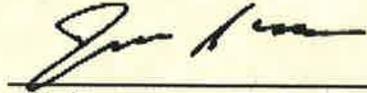
Expiration Date

MARCH 20, 2021

MARCH 20, 2022



Authorized Company Signature



Chair, West Virginia Contractor
Licensing Board

**WEST VIRGINIA
CONTRACTOR
LICENSING
BOARD**

This license, or a copy thereof, must be posted in a conspicuous place at every construction site where work is being performed. This license number must appear in all advertisements, on all bid submissions and on all fully executed and binding contracts. This license cannot be assigned or transferred by licensee. Issued under provisions of West Virginia Code, Chapter 21, Article 11.

STATE OF WEST VIRGINIA
DEPARTMENT OF AGRICULTURE

LICENSED PESTICIDE APPLICATION BUSINESS

Issued to:
AllStar Ecology, LLC
1582 Meadowdale Road
Fairmont WV 26554

Categories of Operation:

3 - Forest Pest Control
6 - Aquatic Pest Control
13C - Hardwood Tree Release
4A - Ornamental & Turf
Outdoors
7 - Right-of-Way/Industrial
Weed

Qualifying Individual: **Ryan L. Ward**

License No: **1303**
Plants ID: **000B5G**
Date Issued: **1/4/2021**
Expiration Date: **12/31/2021**

Commissioner of Agriculture



SIGNATURE

NOT
TRANSFERABLE

Has met the requirements of the State Code of West Virginia, Chapter 19, Article 16A, Section 7, to engage in the business of applying pesticides.

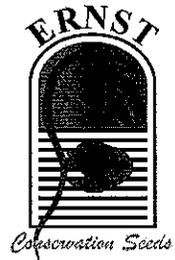
Visit <https://wvplants.wvda.us> for pesticide exam and recertification meeting locations and to review your business information.

Appendix D:
Documentation of PLS Testing
from Ernst Seed



ERNST SEEDS

(800) 873-3321
(814) 336-2404
Fax: (814) 336-5191
www.ernstseed.com
ernst@ernstseed.com



AllStar Ecology
1582 Meadowdale Rd.
Fairmont, WV 26554

September 27, 2021

To Whom It May Concern:

Ernst Conservation Seeds will supply the following seed mix to the above company. **All of our seed is tested every 9 months by a certified seed laboratory and meets common standards.**

High Visual Base Mix (PLS) – Quote Q250408

Pounds	Species
1.369#	<i>Bouteloua curtipendula</i> – Sideoats Grama, Butte
0.799#	<i>Elymus virginicus</i> – Virginia Wildrye, PA Ecotype
0.621#	<i>Elymus hystrix</i> – Bottlebrush Grass, PA Ecotype
1.811#	<i>Schizachyrium scoparium</i> – Little Bluestem, Camper
0.520#	<i>Panicum clandestinum</i> – Deertongue, Tioga *Sub for <i>P. anceps</i>
0.258#	<i>Tridens flavus</i> – Purpletop, Fort Indiantown Gap – PA Ecotype
0.081#	<i>Penstemon digitalis</i> – Tall White Beardtongue
0.103#	<i>Coreopsis tinctoria</i> – Plains Coreopsis
0.266#	<i>Baptisia australis</i> – Blue False Indigo, Southern WV Ecotype
0.495#	<i>Coreopsis lanceolata</i> – Lanceleaf Coreopsis
0.132#	<i>Mondarda fistulosa</i> – Wild Bergamont, Fort Indiantown Gap – PA Ecotype * Sub for <i>M. citriodora</i>
0.195#	<i>Rudbeckia hirta</i> – Blackeyed Susan
0.215#	<i>Asclepias tuberosa</i> – Butterfly Milkweed
1.252#	<i>Echinacea purpurea</i> – Purple Coneflower
0.244#	<i>Ratibida pinnata</i> – Grey Headed Coneflower, OH Ecotype
0.268#	<i>Heliopsis helianthoides</i> – Oxeye Sunflower, PA Ecotype
0.083#	<i>Mondarda fistulosa</i> – Wild Bergamont, Fort Indiantown Gap – PA Ecotype
0.611#	<i>Chamaecrista fasciculata</i> – Partridge Pea, PA Ecotype
0.072#	<i>Solidago juncea</i> – Early Goldenrod, PA Ecotype
0.069#	<i>Rudbeckia triloba</i> – Browneyed Susan, WV Ecotype * Sub for <i>R. fulgida</i>
0.209#	<i>Helianthus maximilianii</i> – Maximillian's Sunflower * Sub for <i>H. mollis</i>
0.146#	<i>Asclepias incarnata</i> – Swamp Milkweed, PA Ecotype
0.081#	<i>Helianthus angustifolius</i> – Narrowleaf Sunflower, Coastal Plain NC Ecotype
0.201#	<i>Biden aristosa</i> – Showy Tickseed Sunflower (Bur Marigold), Coastal Plain NC Ecotype
0.105#	<i>Aster novae-angliae</i> – New England Aster, PA Ecotype
0.140#	<i>Aster laevis</i> – Smooth Blue Aster, NY Ecotype
0.033#	<i>Aster pilosus</i> – Heath Aster, PA Ecotype
0.051#	<i>Solidago speciosa</i> – Showy Goldenrod, Southern WV Ecotype



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September 27, 2021

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High Visual Base Mix (PLS) – Quote Q250408

Pounds	Species
22.447#	<i>Urochloa ramosa</i> – Brown Top Millet

Total: 33.065 PLS Pounds

NOTE: All seed is subject to availability at the time of ordering. Please do not hesitate to contact us if you have any questions or need additional information.

Warm Regards,

Amy A. Grove

Amy A. Grove
Reception/Sales
Ernst Conservation Seeds



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To Whom It May Concern:

Ernst Conservation Seeds will supply the following seed mix to the above company. **All of our seed is tested every 9 months by a certified seed laboratory and meets common standards.**

Diverse Pollinator Mix (PLS) – Quote Q250411

Pounds	Species
0.033#	<i>Achillea millefolium</i> – Common Yarrow
0.136#	<i>Baptisia alba</i> – White Wild Indigo
0.035#	<i>Cereopsis lanceolata</i> – Lanceleaf Coreopsis * Sub for <i>C. major</i>
0.197#	<i>Dalea candida</i> – White Prairie Clover
0.269#	<i>Dalea purpurea</i> – Purple Prairie Clover
0.575#	<i>Desmanthus illinoensis</i> – Illinois Bundleflower
0.144#	<i>Eryngium yuccifolium</i> – Rattlesnake Master, OH Ecotype
0.305#	<i>Liatris spicata</i> – Marsh Blazing Star, PA Ecotype
0.132#	<i>Lespedeza capitata</i> – Roundhead Lespedeza, RI Ecotype
0.132#	<i>Aster pilosus</i> – Heath Aster, PA Ecotype * Sub for <i>P. integrifolium</i>
0.068#	<i>Pycnanthemum tenuifolium</i> – Narrowleaf Mountainmint * Sub for <i>P. incanum</i> & <i>P. pilosum</i>
0.072#	<i>Pycnanthemum virginianum</i> – Virginia Mountainmint, PA Ecotype
0.069#	<i>Rudbeckia triloba</i> – Browneyed Susan, WV Ecotype
0.076#	<i>Silphium perfoliatum</i> – Cup Plant * Sub for <i>S. laciniatum</i>
0.073#	<i>Tradescantia ohiensis</i> – Ohio Spiderwort, PA Ecotype
0.122#	<i>Vernonia gigantea</i> – Giant Ironweed, PA Ecotype
0.038#	<i>Verbena alternifolia</i> – Wingstem, PA Ecotype * Sub for <i>V. virginica</i>

Total: 2.063 PLS Pounds

NOTE: All seed is subject to availability at the time of ordering. Please do not hesitate to contact us if you have any questions or need additional information.



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Diverse Pollinator Mix (PLS) – Quote Q250411

Pounds	Species
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Warm Regards,

Amy A. Grove

Amy A. Grove
Reception/Sales
Ernst Conservation Seeds