



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

Request for Quotation

RFQ NUMBER
DEFK8249

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DIV ENGINEERING & FACILITIES
 CAMP DAWSON ARMY TRAINING SITE
 240 ARMY ROAD
 KINGWOOD, WV
 26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
05/21/2008				

BID OPENING DATE: **06/03/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		988-05		
CHEMICAL VEGETATION CONTROL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PROVIDE ERADICATION SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, KINGWOOD, WV, PER THE SPECIFICATIONS. VENDOR PREFERENCE CERTIFICATE CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS). A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED: <input type="checkbox"/> BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR <input type="checkbox"/> BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY I WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4)						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications

SIGNED BID TO:

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



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

Request for Quotation

RFQ NUMBER
DEFK8249

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
JOHN ABBOTT 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIV ENGINEERING & FACILITIES
 CAMP DAWSON ARMY TRAINING SITE
 240 ARMY ROAD

KINGWOOD, WV
 26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/21/2008				

BID OPENING DATE: 06/03/2008 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
DEFK8249

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF:
JOHN ABBOTT
304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DIV ENGINEERING & FACILITIES
CAMP DAWSON ARMY TRAINING SITE
240 ARMY ROAD
KINGWOOD, WV
26537-1077 **304-329-4417**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/21/2008				

BID OPENING DATE: **06/03/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: -----</p> <p>DATE: -----</p> <p>SIGNED: -----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE		TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER
DEFK8249

PAGE
5

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

RFQ COPY
TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIV ENGINEERING & FACILITIES
CAMP DAWSON ARMY TRAINING SITE
240 ARMY ROAD

KINGWOOD, WV
26537-1077 **304-329-4417**

DATE PRINTED 05/21/2008	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: 06/03/2008		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- ***** THIS IS THE END OF RFQ DEFK8249 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

CONTRACTOR

SCOPE OF WORK

FOR
INVASIVE SPECIES CONTROL PLAN FOR VOLKSTONE
APPLICATION OF HERBICIDE
TO ERADICATE INVASIVE PLANTS

In Support of
THE INTEGRATED NATURAL RESOURCES MANAGEMENT PLAN
At The
CAMP DAWSON COLLECTIVE TRAINING CENTER
Preston County
Kingwood, West Virginia 26537

CONTRACT NUMBER DEFK8249

Prepared by:
Natural Resources Staff
West Virginia Army National Guard
ATS Natural Resources Office
Camp Dawson, 240 Army Road
Kingwood, West Virginia 26537

April 2008

**Application of Herbicide
to Eradicate Invasive Species
on the Volkstone Tract
Camp Dawson, Preston County, West Virginia**

1.0 INTRODUCTION

The Camp Dawson Natural Resources Office (NRO) is responsible for managing the West Virginia Army National Guard (WVARNG) forest. The NRO is responsible for the development and execution of all forest related activities including Invasive species eradication. According to the Camp Dawson Forest Management Plan, and the Invasive Plant Inventory, Assessment and Management Plan, the Volkstone Tract and the Camp Dawson Tract forest stands contain an unacceptable amount of woody and herbaceous invasive plant species. An Invasive Species Eradication Plan (ISEP) has been developed and is being implemented. The Volkstone Tract is located 1 mile east of Kingwood West Virginia, from route 7, turn south on route 72, the tract is parallel to route 72 (tract located mostly west and east of route 72) from route 7 to Morgan Run. The majority of the tract is forested. The Camp Dawson Tract is located 1.5 miles east of Kingwood West Virginia, from route 7, turn south on Army Road, the tract is around the Camp Dawson facilities, with the area targeted for treatment in 2008 being along the banks of Cheat River.

2.0 PROJECT DESCRIPTION

The WVARNG is implementing a long-term eradication program aimed towards eradicating most invasive plant species on the Volkstone and Camp Dawson Tracts. *The*

list of invasive species found on the Volkstone Tract is located in the ISEP attached to this Scope of Work.

The project goal is to eradicate most invasive plant species on the Volkstone Tract by herbicide application. The project will concentrate on the most dominant invasive exotic woody plants, which include tree-of-heaven, multiflora rose, autumn olive, Japanese barberry, oriental bittersweet, privet, burning bush, as well as certain herbaceous plants, including Japanese knotweed and Japanese stiltgrass. A list of the invasive exotic plants to be targeted and an estimate of their population is included in the attached ISEP. The herbicide types, method of application, and the appropriate time to apply herbicide are also outlined in the attached ISEP. In order to facilitate the control work, opening of some blocked access trails is also needed.

The project area contains 250 acres (more or less). The method of eradication will be the application of herbicide. The herbicide application work will begin June 1, 2008, and end on or before September 15, 2008. A more complete description of the project, including objectives, site description, and methods of application, herbicides, timeline, and other information is provided in the attached ISEP.

3.0 TASK DEFINITION

The contractor shall perform the following tasks.

TASK 1. Meet with Camp Dawson Natural Resource personnel and Project Manager once the contract has been awarded, to review strategy, methodology, and scheduling fieldwork activities on the Volkstone Invasive Species Eradication Plan (ISEP).

TASK 2. Upon commencement of fieldwork, jointly with Project Manager and WVARNG Natural Resources staff, provide training on work techniques and precautions to any workers involved with the project.

TASK 3. Carry out herbicide treatments as described in the ISEP.

TASK 4. Contractor is to complete and provide to the Project Manager a daily record of pesticide application, including products, amounts, approximate acres, weather conditions, and other pertinent information.

TASK 5. At the conclusion of fieldwork, the contractor will meet with the Project Manager and WVARNG Natural Resources staff for project debriefing.

4.0 WVARNG FURNISHED INFORMATION AND MATERIAL

The WVARNG will provide:

- a. Aerial photography maps with the boundary lines (all boundary lines and corners were updated and marked with blue paint and signage during 2003 for the Volkstone Tract). Maps will also be provided that show the location and types of access trails. The WVARNG will also provide assistance to the Project Manager and contractor in working with the Camp Dawson Facilities and Engineering and Range Operations Offices to gain access to any restricted parts of the Volkstone Tract.
- b. Herbicides and surfactants will be provided by WVARNG and stored at Camp Dawson, and will be made available to the contractor as needed. Any unused materials remain the property of WVARNG.

5.0 MEETINGS AND REVIEWS

Prior to initiation of work the Camp Dawson Natural Resources personnel shall meet with the contractor and Project Manager to coordinate the eradication plan.

At the conclusion of fieldwork the contractor will meet with the Project Manager and WVARNG Natural Resources staff for project debriefing.

6.0 CONTRACTOR REQUIREMENTS

1. Upon submission of bid, vendor must comply with the following requirements and provide evidence to WVARNG:

- Contractor shall have 3 years prior experience in pesticide application for timber stand improvement or similar uses.
- Contractor shall possess, or employ a person who possesses, certification as a West Virginia Commercial Certified Pesticide Applicator in Category 3 (Forest Pest Control) or Category 13C (Hardwood Tree Release).

2. Prior to commencement of work, vendor must comply with the following requirements and provide evidence to WVARNG:

- Contractor shall be a West Virginia Licensed Vendor. Information on Vendor Registration can be obtained from WV Purchasing Division, Vendor Registration, State Capitol Complex, 2019 Washington Street East, PO Box 50130, Charleston, WV 25305-0130, phone 304-558-2306, and is available online at www.state.wv.us/admin/purchase.
- Contractor shall provide a certificate of insurance (\$1,000,000 00-General Liability).
- Contractor shall register with the West Virginia Division of Purchasing. Information on registering in West Virginia can be obtained from the West Virginia Division of Purchasing, 2019 Washington Street East, PO Box 50130, Charleston, WV 25305-0130, phone 304-558-2311.
- Contractor shall be a West Virginia Licensed Pesticide Application Business, and possess, or employ a person who possesses, certification as a West Virginia Certified

Pesticide Applicator in Category 3 (Forest Pest Control) or Category 13C (hardwood tree release). A West Virginia Certified Applicator, either contractor or person employed by contractor, is to perform or supervise all pesticide application activities, and is to be present on the work site or in contact with workers on site and be within a 1 hour response time of the site while pesticide mixing or application work is in progress. Any pesticide mixing or application not performed by a Certified Applicator is to be performed by a Registered Technician operating under the supervision of a Certified Applicator, or by an employee pending training as a Registered Technician working under the supervision of a Certified Applicator present at the time and place of application.

Information on Pesticide Business and Certification can be obtained from WV Department of Agriculture, Pesticide Regulatory Programs, 1900 Kanawha Blvd., Charleston, WV 25305-0190, phone 304-558-2209, and is available online at www.kellysolutions.com/wv.

It is the contractor's responsibility to conduct all field activities in a manner that ensures the safety of the general public and field crewmembers and avoids damage to vehicles and property of the WVARNG.

7.0 PERIOD OF SERVICE

All work under this contract shall be conducted and completed during the period from June 16 to September 20, 2008.

8.0 POINTS OF CONTACT

WVARNG:

Mr. Ladd Williams, ATS Environmental Manager
WVARNG, Camp Dawson

Natural Resources Office
 240 Army Road
 Kingwood, WV 26537
 Phone 304-791-4130
 Fax # 304-791-4378

PROJECT MANAGER:

Mr. Philip Pannill, Forester
 Potomac Forestry Services
 17323 Bakersville Road
 Sharpsburg, MD 21782
 Phone 301-739-7743

9.0 PAYMENT INFORMATION AND DELIVERABLE SCHEDULE

There shall be two equal payments allowed under this scope of work. The first payment will be available for issue upon satisfactory completion of the herbicide application in Stands V12, V11, and D2a&c in July 2008 per the schedule in the ISEP. The second payment will be available upon satisfactory completion of the remainder of the herbicide application and fulfillment of any other responsibilities of the contractor. The contractor will request payment by submitting detailed invoices, *in quintuplicate*, to HQ WVARNG, ATTN: WVAR-F-EP, 1703 Coonskin Drive, Charleston, WV 25311-1085

DELIVERABLES	DATE	PAYMENT SCHEDULE
Project Start Date	June 16, 2008	
Daily Pesticide Application Records	Provided weekly or upon request	
Completion of ISEP through Stands D2a&c	No later than August 1, 2008	50%
Completion of all treatments as per ISEP	No later than September 15, 2008	
Completion of Project	No later than September 20, 2008	50%

- Upon completion of the project, all non-expended field supplies that were

purchased with funds provided by Camp Dawson Collective Training Center will become the sole property of the CDCTC.

Prepared By: Natural Resources Staff, WVARNG, Camp Dawson

Invasive Species Eradication Plan

**Volkstone and Camp Dawson Tracts
Army Training Site Camp Dawson
West Virginia Army National Guard
240 Army Road
Kingwood, WV 26537**

In

Preston County, WV

On

250 acres woodland

Prepared By

Philip D. Pannill, Forester
WV Registered Professional Forester No. 164
WV Licensed Pesticide Consultant No. C015

Potomac Forestry Services
17323 Bakersville Road
Sharpsburg, MD 21782
301-739-7743

April 2008

Objective

Through herbicide application, greatly reduce or eliminate invasive plant species from the Volkstone and Camp Dawson Tracts. Reducing the proliferation and dominance of these species will allow the preservation or restoration of native forest vegetation of greater ecological and economic value.

Background

This plan is to provide information on specific control activities recommended for control of invasive species on the Volkstone and Camp Dawson Tracts in 2008.

Invasive species generally display several or all of the following:

- Rapid growth and establishment
- Produce prolific numbers of seed
- Reproduce aggressively by vegetative reproduction
- Long flowering and fruiting period
- Tolerates a wide range of environmental conditions, especially disturbed soils

In 2004 a major effort was undertaken in portions of the Volkstone Tract to control, by herbicide injection and basal bark treatment, the tree-of-heaven (*Ailanthus altissima*) that had become established on the tract. Follow-up treatments were applied in subsequent years to complete the eradication of tree-of-heaven as well as control other invasive species in these same stands and additional areas on the Volkstone and Camp Dawson Tracts.

In 2008 there will be several aspects of the control of invasive plant species on the Volkstone and Camp Dawson Tracts performed by a Contractor, including:

1. Control of certain invasive plants in of Volkstone Stands 11 and 12, and portions of Dawson Stand 2.
2. Control of certain invasive exotic plants in areas previously treated, including portions of Volkstone Stands 2,3,4,5,7,8,9,and 10, and Dawson Stand 1.

The Target Species

The invasive exotic plants that are targeted for control in 2008, in approximate order of frequency:

Multiflora Rose, *Rosa multiflora*
 Japanese Knotweed, *Polygonum cuspidatum*
 Autumn Olive, *Elaeagnus umbellata*
 Japanese Stilt grass, *Microstegium vimineum* (only near Rt. 72)
 Tree-of-Heaven, *Ailanthus altissima*
 Oriental bittersweet, *Celastrus orbiculatus*
 Bush honeysuckle, *Lonicera morrowii*
 Japanese Barberry, *Berberis thunbergii*
 Winged Burning Bush, *Euonymus alata*
 European Privet, *Ligustrum vulgare*
 Wintercreeper Euonymus, *Euonymus fortunei*
 Japanese Spirea, *Spirea japonica*
 Japanese Honeysuckle, *Lonicera japonica*
 English Ivy, *Hedera helix*
~~Mile-a-Minute, *Polygonum perfoliatum*~~

A complete list of invasive exotic plants known to be present that are not targeted for control (but may be treated at the discretion of the Contractor), is included in the Appendix.

Terrain

The portion of the Volkstone Tract that is on the uphill side of Rt. 72, and Dawson Tract Stand 2, is steep and rocky and is crossed by several small stream valleys. The slope ranges from nearly level in some sections to over 100% slope (45 degrees) in other areas. The parts of the Volkstone and Camp Dawson tracts near the Cheat River are generally less steep, but include short sections of steep slopes in gullies, road banks and riverbanks. Some areas have numerous small boulders on the surface, and some areas have a good deal of multiflora rose or blackberry in the understory, making walking difficult.

Access

A number of former logging and mining roads, and some have been opened up for access. There is vehicular access along the entire Volkstone tract along Rt. 72 at the bottom of the hill. The former railroad right-of-way is open and passable by motor vehicles. Most areas to be treated on the Dawson Tract are accessible by roads or trails.

Location and Extent of Target Species on the Volkstone and Camp Dawson Tracts

The area covered under this plan is about 250 acres in size. The new areas to be treated are the Volkstone Stand V11 (Morris Island, 51 acres) and Stand V12 (Army Road, 5 acres), and portions of Camp Dawson Stand D2a & c (Hillside, 79 acres). Previously treated areas that are to be re-treated include the "Mag Plant" areas - Volkstone Stand V9 (23 acres) and Stand V10 (29 acres) - and Dawson Tract Stand D1 (riverbank, 15 acres). Also, Japanese Knotweed needs to be re-treated in Volkstone Stands V5, V7, V8, V9 and V10 (riverbank and stream bank, 3 acres). Additionally, Japanese Stiltgrass in Volkstone Stand V5 along and above the railroad, and the parts of Stands V2-4 and V6-8 within 100 ft. of Rt. 72 is to be treated (22 acres). Further information on these species is included in the Appendix.

In the previously-treated Stands some plants were missed and there is some new growth from seed of the target plant species, there is expected to be some re-growth of the Japanese Knotweed and a small but unknown amount of tree-of-heaven re-growth from basal sprouts and root suckers, and some multiflora rose and autumn olive re-sprouting from the base. There is no good way to measure or estimate this new growth or re-growth at this time. It is felt that the previous treatments were very effective, and the amount of new growth or regrowth to be treated is much less than before.

Control Recommendations

Research and experience have shown the impracticality of manual or mechanical cutting. *Ailanthus* re-sprouts and root suckers extensively and with great vigor. The target shrub and vine species would also re-sprout after cutting. The only practical control in the circumstances found here is the judicious use of chemical herbicides. All herbicide applications should be made according to label requirements under the supervision of a certified pesticide applicator (either contractor or contractor's employee).

The herbicide products to be used in 2008 are, in approximate order of area treated:
 Accord Concentrate – glyphosate
~~Garlon 3A – triclopyr (amine)~~

Escort XP – metsulfuron methyl
Pathfinder II – triclopyr (ester)
Vantage – sethoxydim
Habitat - imazapyr

Garlon 3A mixed with Escort XP will be the herbicide solution applied for general purposes on most of the new treatment area. This combination has been shown to be particularly effective on tree-of-heaven, multiflora rose, autumn olive, oriental bittersweet, and Japanese barberry, and is somewhat effective on Japanese knotweed and most other woody plants. Accord or Accord-Habitat mix will be used in some areas for Japanese knotweed and for treatment of other species in the same Stands that are being treated for knotweed. Vantage will be used for control of Japanese stiltgrass. Since Escort may not be used where it is likely to enter the water, Japanese knotweed growing directly on the stream banks or riverbank should be treated with either Accord Concentrate or Habitat. Pathfinder II is a pre-mixed product that is used for basal bark treatment of taller trees and shrubs.

These products are intended to move through the plant, including the root system, to kill the plant and control root suckering. Escort, Accord, Vantage, Habitat and Pathfinder II have a "Caution" signal word, an indication of very low toxicity. Garlon 3A has a "Danger" signal word, indicating higher toxicity, and Garlon is an eye irritant that can cause irreversible damage, so PPE, including protective eyewear and gloves is especially important. Detailed information is provided in the product label and material safety data sheet (MSDS). A high-quality non-ionic surfactant such as ChemSurf 90, Clean Cut, or Methylated Seed Oil should be added to the spray mix to improve dispersion, adhesion and penetration. Accurate measurement and very thorough mixing will be needed due to the tiny but potent amounts of Escort XP used, and the need to get and keep the Escort XP in suspension.

Post-treatment effects of foliage deformation and necrosis should be visible within four days of application for the Garlon mixtures, within ten days of application for the Accord mixtures, and within 20 days of application for Vantage or Habitat mixtures.

Conventional Volume "Spray to Wet" Follar

The method of invasive exotic plant control to be used on the most accessible and heavily infested parts of the tract is a high-volume foliar spray. The volume rate used here should be approximately 50 gallons of solution per sprayed acre, but will vary considerably depending on target plant height and density. The foliage of all target plants up to 12 feet in height should be thoroughly wet, but not to the point of runoff. The application may be made using vehicle-mounted sprayer, ATV-mounted sprayer, or backpack sprayer. This method has the advantage of being able to quickly treat taller stems and larger areas that are dominated by undesirable plants. The foliar treatment must be made when the foliage is dry, and should not be applied when significant rainfall is expected within two hours.

The rate of herbicide application in this method should be on a "spray to wet" basis. The foliage and twigs of the target plants should be thoroughly wet, but not dripping off. The primary spray solution should be made up of 1 ounce (by weight) of Escort XP herbicide, 1.5 gallons of Garlon 3A herbicide, and 2 quarts of Clean Cut surfactant in enough water to make 100 gallons. Re-stated in another manner the primary mix is 1 oz. (by weight) of Escort XP per 100 gallons, 1.5% Garlon 3A, and 0.5% Clean Cut. A dye such as Hi-Light or Bullseye may be added. For stiltgrass control use Vantage at 1.5%. For treatment of knotweed

areas the first or second year, use Accord Concentrate at 1%. For treatment of previously treated areas the mix used will be 1% Accord Concentrate and 0.5% Habitat.

Basal Bark Application

The third, and much less extensive, method of controlling tall tree-of-heaven, autumn olive, privet, multiflora rose, and climbing oriental bittersweet vines, to be used on this property will be basal bark application of herbicide onto the individual stems of the target plants. This method would be used on any plants that are too tall to be foliar treated.

The application should be done using a backpack sprayer and a narrow-angle even flat fan nozzle such as a 40.02E nozzle or an adjustable cone nozzle such as a Y3 tip. On shrubs and vines the spray treatment should be 12-24 inches in height from the ground line, depending on stem size, and on tree-of-heaven the treatment should be at a height of the diameter plus 10, expressed in inches.

The product to be used for basal bark treatment is Pathfinder II herbicide, a pre-mixed ready-to-use combination of triclopyr (ester) and an oil carrier.

The basal bark application may be made regardless of weather conditions or expected rainfall as long as the bark is not wet at the time of treatment. The basal bark treatment should be applied during the time period of June 1 to September 1.

Materials, Tools, and Equipment

Herbicide, surfactant, and dye will be purchased by WVARNG, stored in a secure location at the nearby Camp Dawson site, and made available to the contractor as needed. Any unused products will remain the property of WVARNG. Empty containers would be returned to the Camp Dawson pesticide storage site.

Project Management

WVARNG has designated a Project Manager - Philip Pannill, Potomac Forestry Services - to oversee the implementation of this plan. The contractor is to cooperate and coordinate activities with the Project Manager, and provide information as needed.

Work Procedure and Scheduling for 2008

Work to be Performed – by Stand

- V1 – Nothing
- V2 – Stiltgrass only in designated areas, August & September (Vantage)
- V3 - Stiltgrass only in designated areas, August & September (Vantage)
- V4 - Stiltgrass only in designated areas, August & September (Vantage)
- V5 - Stiltgrass only in designated areas, August & September (Vantage), and knotweed, August - September (Accord + Habitat)
- V6 - Stiltgrass only in designated areas, August & September (Vantage)
- V7 – Knotweed only, August - September (Accord + Habitat)
- V8 – Knotweed only, August - September (Accord + Habitat)
- V9 – All species, including knotweed but excluding stiltgrass, August - September (Accord + Escort)
- V10 - All species, including knotweed but excluding stiltgrass, August/September (Accord + Escort)

- V11 – All species, excluding knotweed and stiltgrass, June /July, (Garlon 3A + Escort)
- V12 – All species, including knotweed but excluding stiltgrass, June (Accord + Escort) & September (Accord)
- D1 – All species, including knotweed but excluding stiltgrass, August/September (Accord + Escort)
- D2a&c – All species, including knotweed but excluding stiltgrass, June /July (Garlon 3A + Escort)
- D2b – nothing

Work to be Performed – Schedule

1. June – V12 - All species, including knotweed but excluding stiltgrass
2. June/July - V11 – All species, excluding knotweed and stiltgrass, (Garlon 3A + Escort)
3. June/July – V12 - All species, including knotweed but excluding stiltgrass, (Accord + Escort)
4. June/July -- D2a&c - All species, including knotweed but excluding stiltgrass, (Garlon 3A + Escort)
5. August – V2, V3, V4, V5 – Stiltgrass in designated areas (Vantage)
6. August/September – V9, V10 - All species, including knotweed but excluding stiltgrass, (Accord + Escort)
7. August/September – D1 – All species, including knotweed but excluding stiltgrass (Garlon 3A + Escort)
8. August/September – V5, V7, V8 – Knotweed only (Accord + Habitat)
9. September – V12 - All species, including knotweed but excluding stiltgrass (Accord)

Worker Safety

All practical measures should be taken to provide for the safety of those engaged in the work on this project. Potential hazards include scratches, falls, sprains, insect bites, snakebites, chemical exposure, cuts, heat exhaustion and dehydration.

Workers must be trained in safe pesticide handling and work procedures. Workers should wear shoes or boots with good traction, long pants and long-sleeved shirts. Protective eyeglasses, non-latex rubber gloves and other personal protective equipment (PPE), will be required for mixing and spray application. Drinking and washing water and first-aid supplies must be readily available. The supervisor and other key persons must be aware of emergency procedures, emergency medical response and transport, hospital location, etc. Any significant personal injury accidents should be reported to the Project Manager, as well as other agencies as required.

Environment and Human Health

The products recommended in this plan have been approved by the U.S. Environmental Protection Agency, and are determined to be safe for the environment, public health and the health of the applicators when used as directed. All application is to be made in full accordance with the product label, by trained persons under the direct supervision of a certified pesticide applicator. No trash is to be left on site, but must be packed out and disposed of properly. Any chemical spills or other incidents are to be reported to the Project Manager, as well as other agencies as required.

Appendix A Daily Pesticide Application Record

Business Name: _____

Certified Pesticide Applicator: _____ WV Cert. #: _____

Applied By (Applicator or Crew Leader): _____

Date: _____ Day of Week (circle) – Mon, Tues, Wed, Thurs, Fri, Sat, Sun

Location - Volkstone Tract & Camp Dawson Tract, just South of Rt. 7, Kingwood WV.
Owner – WV Army National Guard, Camp Dawson, 240 Army Road, Kingwood, WV 26537.

Section or Stand Number or Identifier: _____

Pests Treated – Multiflora Rose, Japanese Knotweed, Autumn Olive, Tree-of-Heaven, and other invasive exotic plants.

Method of Application – (circle one or both) Foliar Spray, Basal Bark Spray

Herbicides Used (check all that apply):

- Garlon 3A (EPA Reg. # 62719-37) 1.5% .
- Escort XP (EPA Reg. # 352-439) 1 oz./100 gal.
- Accord Concentrate (EPA Reg. # 62719-324) 1%
- Habitat (EPA Reg. #24-426) 0.5%
- Vantage (EPA Reg. # 7969-88-51036) 1.5%
- Pathfinder II (EPA Reg. # 62719-176) pre-mixed, ready to use (13.6% triclopyr)
- Other: _____

Amount of Spray Volume Used: _____

Amount of Herbicide Product Used:

Product _____	Amount _____	Product _____	Amount _____
Product _____	Amount _____	Product _____	Amount _____
Product _____	Amount _____	Product _____	Amount _____

Approximate Acres Treated: _____

Time Started: _____

Time Ended: _____

Weather

<u>Time</u>	<u>Temp F</u>	<u>Wind Speed</u>	<u>Direction</u>	<u>Atmospheric (circle)</u>
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain

Comments: _____

Completed By: _____

Appendix B

Invasive Alien Plants on Volkstone and Camp Dawson Tracts
Species in Bold font are of high or moderate priority, and will be targeted in 2008.

<u>Species Name</u>	<u>Common Name</u>	<u>Also Known As</u>	<u>Type of Plant</u>	<u>Occurrence Rating on Site</u>	<u>Priority Rating</u>
Allanthurus altissima	Tree-of-Heaven	Ailanthus	tree	Low	high
Allaria petiolata	Garlic Mustard		annual broadleaf	High	low
Artemisia vulgaris	Mugwort		perennial broadleaf	Moderate	low
Berberis thunbergii	Japanese Barberry		shrub	Low	high
Carduus acanthoides	Plumeless Thistle		biennial broadleaf	Low	low
Carduus nutans	Musk Thistle		biennial broadleaf	Low	low
Celastrus orbiculatus	Oriental Bittersweet		perennial vine	Low	high
Centaurea maculosa	Spotted Knapweed		annual broadleaf	Low	low
Cirsium arvense	Canada Thistle		perennial broadleaf	Low	low
Cirsium vulgare	Bull Thistle		biennial broadleaf	Low	low
Commelina communis	Asiatic Dayflower		annual broadleaf	Low	low
Elaeagnus umbellata	Autumn Olive		shrub	Moderate	high
Euonymus alata	Winged Burning Bush		shrub	Low	high
Euonymus fortunei	Winter Creeper Euonymus	Creeping/Climbing Euonymus	perennial vine	Low	high
Glechoma hederacea	Ground Ivy	Gill-over-the ground	perennial vine	High	low
Hedera helix	English Ivy		perennial vine	Low	high
Hemerocallis fulva	Daylily		perennial broadleaf	Low	low
Ligustrum spp.	Privet	Common Daylily	shrub	Moderate	high
Lonicera japonica	Japanese Honeysuckle		perennial vine	Low	high
Lonicera spp.	Bush Honeysuckles	L. maackii, Morrowii, tartarica	shrub	Low	high
Microstegium vimineum	Japanese Stiltgrass	Nepalese Browntop	annual grass	Low	high
Perilla frutescens	Beefsteak Plant	Perilla, Chiso	annual broadleaf	Low	low
Phalaris arundinacea	Reed Canary Grass		perennial grass	Low	low
Polygonum cuspidatum	Japanese Knotweed		perennial broadleaf	Moderate	high
Rosa multiflora	Multiflora Rose	Mexican bamboo, Fallopia jap.	shrub	High	high
Rubus phoenicolasius	Wineberry		shrub	Low	low
Spiraea japonica	Japanese Spirea		shrub	Low	high
Urtica dioica	Stinging Nettle		Perennial broadleaf	Low	low
Vinca minor	Periwinkle	Myrtle	perennial vine	Low	low

Appendix C

Estimate of Invasive Species Populations at Volkstone & Camp Dawson Tracts

Invasive Plant Species Populations for Treatment in 2008
 estimates based on sample measurement, other target species are present in very low numbers

Stand	Acres	Allanthus - Overstory		Understory/Shrub Layer - % Cover							Total	
		Basal Area	Trees/Ac	All	M Rose	A Olive	J Knotwd	O Bit	J Barb	B Hon		
V11	51	0.6	6	0.3%	2.3%	0.3%	^	0.0%	0.1%	0.0%	0.0%	3%
V12	5	7	43	0.9%	3.6%	2.1%	1.6%	0.2%	0.1%	0.1%	0.1%	9%
D2a&c	79	1	26	0.4%	3.4%	2.4%	0.1%	0.0%	0.1%	0.0%	0.0%	6%
Total	135											
Average (non-weighted)		2.9	25	0.5%	3.1%	1.6%	1%	0.1%	0.1%	0.0%	0.0%	6.0%

Other Stands planned for follow-up treatment in 2008 were treated in 2007. Surviving population is unknown, but should be very low.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: _____

Authorized Signature: _____ Date: _____