

TECHNICAL PROVISIONS
SECTION 1
GENERAL

TP-1.0 Purpose: The purpose of this contract is to apply herbicides for forestry purposes on U.S. Army Corps of Engineers Land at _____ Project. The herbicide applications will be performed on cut-over/planted timber stands. Little or no site preparation has been done to these stands. The work consists of applying five different formulations of herbicide: the granular formulation of herbicide 75% active ingredient Hexazinone (EPA Reg. No. 352-450), liquid formulation **mix** of herbicides: 56.25% Sulfometuron methyl, 15% Metsulfuron methyl (EPA Reg. No. 352-622) and 28% Isopropylamine salt of Imazapyr (EPA Reg. No. 241-346) active ingredients, liquid formulation of herbicide 28% active ingredient Isopropylamine salt of Imazapyr (EPA Reg. No. 241-346) , liquid formulation of herbicide 75% active ingredient Sulfosulfuron (EPA Reg. No. 524-500), and liquid formulation of herbicide 19.6% active ingredient 2,4-Dichlorophenoxyacetic Acid (EPA Reg. No. 5905-549) at specified rates of application, utilizing ground application techniques.

TP-1.1 Scope: Task to be performed shall include the application of herbicides to clear undesirable residual vegetation from cut-over/planted timber stands to facilitate planting and/or crop tree release.

TP-1.2 Applicable Documents and References: The following individual standards and codes, manuals, and other documents shall apply to performance:

- a. "Management of Natural Resources and Outdoor Recreation at Civil Works Water Resource Projects."
- b. EM 385 -1-1 "Safety and Health Requirements Manual" (Latest Edition)
- c. "Occupational Safety and Health Act(OSHA)Standards"

TP-1.3 Pre-Work Conference: The contractor shall attend a pre-work conference within two weeks of award at which time the lines of authority and Government procedures for contractual, administrative, and work matters will be established. A review of critical aspects of the contract will be conducted as well as attention brought to specific FAR, Technical and Special Contract Clauses.

TP-1.4 Contractor Items: The contractor shall submit at the pre-work conference the following items:

- a. Certificate of Insurance
- b. Letter of Appointment for Superintendent
- c. Accident Prevention Plan
- d. List of Proposed Subcontractors
- e. Herbicide Certification for the State of _____ in the appropriate categories for scope of this contract.

TP-1.5 Location: The work shall be done on U.S. Army Corps of Engineers lands, _____ Project, in _____ County, _____. Site maps can be found in Exhibit "A" of these specifications.

TP-1.6 Work and Services: The contractor shall furnish all labor, equipment, herbicide, and other supplies to provide forest/agricultural herbicide application services as described.

TP-1.7 Normal Working Days: Normal work days shall be Monday through Friday. Weekend work will be allowed if the Contracting Officer (CO) is notified no later than 4:00 p.m. on the preceding Thursday.

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SECTION 2

MANAGEMENT

TP-2.0 Scope of Work: The contractor shall provide management services for all tasks related to the operation and work included in this contract.

TP-2.1 Supervision: The contractor shall give his personal superintendence to the work or appoint a competent superintendent to be on site at all times. The superintendent must have the authority to act on behalf of the contractor in matters of quality of work, direction of work or scheduling changes. Appointment of supervision must be documented and a letter of appointment provided at the pre-work meeting.

TP-2.2 Technical Supervision: All work performed under the terms of this contract shall be controlled and managed by at least one person with the appropriate state herbicide application license. This supervisor is required to be at the job site at all times and is responsible for ensuring that all work is performed under his/her supervision and meets contract specifications.

TP-2.2.1 At the prework meeting, the contractor shall submit a qualification statement and credentials for Technical Supervision personnel. These credentials shall be revised in the event contractor personnel changes occur during the life of the base contract or option periods.

TP-2.3 Records: With the submission of each payment request, the contractor shall provide the Contracting Officer Representative **COR** records for the work performed to include the date of application, type of herbicide, application rate, and method of application for each area.

TP-2.4 Order of work: The order of work shall be determined by the Contractor. Detailed maps and GIS produced aerial photographs will be provided during the prework meeting.

TP-2.5 Schedule of work

TP-2.5.1 All herbicide applications shall be started by _____ and completed by _____. See **TP- 3.1.2** for detailed application schedule.

TP-2.5.2 The contractor will notify the COR 24 hours before work is to begin. The contractor will notify the COR as soon as possible if there are any changes to his application schedule.

TECHNICAL PROVISIONS
SECTION 3
HERBICIDE APPLICATION REQUIREMENTS

TP-3.0 Scope of Work: Furnish all necessary personnel, equipment, herbicide, labor, supplies and transportation for the application of Velpar ULW, Oust, Outrider, Hardball and/or equivalents as described by this statement of work to selected cut-over/planted timber stands totaling ____ acres. Boundaries of the cut-over/planted timber stands, streamside management zones (SMZ), and sensitive areas ("Keep Out" areas) are designated and marked with orange paint by the CO prior to herbicide application.

TP-3.1 Herbicide Application:

TP-3.1.1 The contractor, without additional expense to the Government, will be responsible for obtaining all necessary licenses, certifications and permits, and for complying with any applicable Federal, State, and local laws, codes, and regulations in connection with the use of herbicide under this contract. The Contractor must hold a current certification as a herbicide applicator with the necessary endorsements.

TP-3.1.2 The contractor shall purchase and secure the specified chemicals and supplies to meet the requirements of the contract. Proofs of purchase records showing dates, amounts, and products shall be maintained by the contractor and made available to the COR upon request. Herbicide is to be applied to cut-over/planted timber stands designated in Exhibit "A". Herbicides, application rate, and application windows as follows:

- a. (**Application A**) Herbicide with 75% active hexazinone shall be applied evenly at the rate of 5.33 lbs. per acre, using low-impact ground application techniques such as back pack blowers, or other chemical manufacturer's acceptable devices, that are calibrated to ensure uniform application at the specified rate. A "hip chain" or similar device, shall be used to ensure complete coverage by personnel working in transects. No heavy equipment or aircraft can be used. The total amount of herbicide applied shall be within 10% of the required amount. Application window of _____.

- b. (**Application B**)Herbicide tank mix with 2.67oz /acre of active ingredients 56.25% Sulfometuron methyl, 15% Metsulfuron methyl (EPA Reg. No. 352-622)and 4oz/acre active ingredient 28% Isopropylamine salt of Imazapyr (EPA Reg. No. 241-346) shall be applied evenly throughout the entire stand. Mix shall be applied using the chemical manufacturer's acceptable ground techniques, devices and mixing instructions. The total amount of herbicide applied shall be within 10% of the required amount. Application window of _____.
- c. (**Application C**)Herbicide with active ingredients 75% Sulfosulfuron shall be applied evenly at the rate of 2 ounces per acre, using the chemical manufacturer's acceptable ground techniques, devices and mixing instructions. This herbicide is to be applied to wildlife food plots only. The total amount of herbicide applied shall be within 10% of the required amount. Herbicide will be applied while target species are actively growing and before seed production. The typical application window is _____.
- d. (**Application D**)Herbicide with active ingredient 19.6% 2,4-Dichlorophenoxyacetic Acid shall be applied as a 25 gallon tank mix containing 1 gallon of active ingredient and 1 quart crop oil per acre, using the chemical manufacturer's acceptable ground techniques, devices and mixing instructions. This herbicide is to be applied to wildlife food plots only. The total amount of herbicide applied shall be within 10% of the required amount. Herbicide will be applied while target species are actively growing and before seed production. The typical application window is _____.
- e. (**Application E**) Herbicide with active ingredient 28% Isopropylamine salt of Imazapyr (EPA Reg. No. 241-346) shall be applied evenly at the rate of 16 ounces per acre throughout the entire stand and shall be applied using the chemical manufacturer's acceptable ground techniques, devices and mixing instructions. The total amount of herbicide applied shall be within 10% of the required amount. Application window of _____.

TP-3.1.3 Care will be taken not to apply herbicide to clusters of desirable hardwoods such as oaks, hickory, dogwoods, or persimmons which are marked out of the herbicide treatment area. These clusters of hardwoods are clearly bounded by orange paint and may be located within herbicide areas. Herbicide application and equipment will not be permitted in areas designated as "Keep Out". Detailed maps will be provided by the CO showing all "out" areas.

TP-3.1.4 Herbicide will not be applied within 50 ft. of the shoreline, SMZ, government boundary line, or individually marked hardwoods within and hardwood pockets on the edge of the herbicide area. In other areas, the herbicide will be applied up to the delineated boundary marked with orange paint or food plot edge. Detailed maps of these areas will be provided by the CO to the contractor.

TP-3.2 Site Conditions: Areas to receive herbicide treatment are cut over timber stands. Many areas contain large amounts of logging debris. Little or no site preparation has been done to any of these areas.

TP-3.3 Label Requirements and Restrictions: The Contractor shall follow all label requirements and restrictions and all containers shall be properly disposed of, off Government Property.

TP-3.3.1 The contractor will keep unauthorized persons and domestic animals out of the work area during herbicide application. Any required public notices shall be posted by the Contractor.

