

January 25, 2021

The Lake Gaston Weed Control Council (LGWCC) is soliciting proposals for Aquatic Herbicide Applications on Lake Gaston for the 2021 Treatment Season. This is a service contract only and does not include chemicals.

Details are provided in the attached Request for Proposal (RFP).

Qualified applicators will be licensed by the states of North Carolina and Virginia. Have at least five (5) years of experience treating noxious aquatic vegetation and algae, and provide three (3) customer references.

Qualified applicators are encouraged to submit proposals. Submitted pricing, applicator experience, personnel, equipment, and techniques will all be considered. Contract(s) will be awarded based on applicator's complete proposal. LGWCC reserves the right to accept or reject any and all proposals.

Any questions regarding the proposal may be addressed to Jeff Zimmer @ [jzimmer2216@gmail.com](mailto:jzimmer2216@gmail.com) or 252-257-2085/409-617-22116.

**Proposals are due** to be delivered to Jeff Zimmer, LGWCC Treasurer, 110 Crosswinds Circle Macon, NC 27551 by US mail or electronically to [jzimmer2216@gmail.com](mailto:jzimmer2216@gmail.com) **no later than 1:00PM, February 26, 2021.**

REQUEST FOR PROPOSAL  
AQUATIC ALGAECIDE/HERBICIDE APPLICATION on LAKE GASTON

1. Background

Lake Gaston is a 20,300 acre reservoir located along the North Carolina and Virginia borders in the Piedmont region. Lake Gaston is the second impoundment chain along the Roanoke River, including upstream Kerr Lake (50,000 acres) and the downstream Roanoke Rapids Lake (4,600 acres). The lake's primary purpose is to generate power for Dominion Energy, however the lake also provides 34 miles of impounded water that creates opportunities for anglers and recreational boaters. In addition Virginia Beach operates a water withdrawal pump station capable of 50 million gallons per day. The 350 miles of shoreline has been heavily developed with lakefront properties, and approximately 150,000 residents occupy the immediate area within Warren, Halifax and Northampton counties in North Carolina, and Brunswick and Mecklenburg counties in Virginia.

Dominion Energy has developed and utilizes a Shoreline Management Plan (SMP) which provides guidance for managing all aspects of Lake Gaston's shoreline. Appendix E, Aquatic Weed Control Rev.5, July 10, 2015 deals specifically with Aquatic Weed Control. Section 4 of the SMP provides guidelines for private weed control application.

The Lake Gaston Weed Control Council (LGWCC) is the entity legally charged with funding weed control efforts on Lake Gaston. North Carolina State University's Aquatic Plant Management Program and its Extension Agents (EA) provide the LGWCC with research and data to support environmentally sound, cost effective vegetation management strategies.

2. Scope of Work to be Performed

LGWCC intends to contract for the treatment of; (a) approximately 100 acres of noxious aquatic weeds, primarily *Hydrilla verticillata*, and (b) approximately 300 acres of noxious cyanobacteria (commonly referred to as blue-green algae) *Lyngbya spp...*

Historically, seasonal Hydrilla treatments have consisted of three (3) separate applications of fluridone in solid pellet form. Water depths in treatment areas vary averaging +/-6 feet. Treatment season is typically June to August.

Over the last several seasons various combinations of liquid algaecides and herbicides have been trialed on Lyngbya in "demonstration" treatment areas. These results will dictate the actual chemicals and rates (protocol) for the 2021 treatment season. These

will be multi-season applications with the initial treatment occurring as early as possible, once surface water temperatures reach +/-65 degrees F. We anticipate a minimum of three (3) applications up to six (6) per treatment area. Treatment area location and protocol will be provided to the applicator by EA no later than March 12<sup>th</sup>.

3. LGWCC responsibilities

LGWCC will purchase all required chemicals. LGWCC will provide contractor with the vendor's contact information for ordering chemicals.

4. Role of the EA

The EA delivers algaecide/herbicide application protocol and treatment area location to the LGWCC and applicator(s). The EA will provide an application schedule for applicator planning and deployment. The EA will monitor applications as required to insure effective results.

5. Contractor Requirements

- a. Remain in compliance with all applicable federal, state and local laws.
- b. Maintain and operate vessels in a safe manner.
- c. Possess any required licenses regarding storage, application and transport of the chemicals used.
- d. Carry at least \$2 million General Liability and \$1 million Worker's Compensation and Employer's Liability insurance protection naming the LGWCC as additional insured.
- e. Post a Performance Bond equal to or greater than the total contract value.
- f. Have adequate and proper equipment to safely and successfully carry out the work.

## 6. Contractor Responsibilities

Contractor shall perform all of the following:

- a. Place order with chemical vendor to meet application requirements and schedule. Take receipt, store, and transport chemicals as needed for applications. Hold any surplus chemicals between applications and utilize these in future applications. Provide a season ending chemical inventory to the LGWCC no later than November 19, 2021.
- b. Secure and make all required Notice of Intent (NOI) permits required by the U.S. Government (EPA or others), Dominion Power, and North Carolina and Virginia agencies.
- c. Coordinate application schedule with the EA. Follow treatment protocol provided by EA.
- d. Provide the public notification of application including any water use restrictions at least one week prior to application by means of press release to local media.
- e. Post all boat launch, docks and boathouses along treatment area shoreline with water use restrictions as required by chemical label prior to application.
- f. Provide treatment records to the EA, LGWCC, and Dominion Power no later than one week post treatment. These will show the date/time area was treated, weather conditions (including wind direction/estimated speed), surface water temperature, average water depth and chemicals applied.
- g. Maintain a web site with; 1) a link to WWW: LGWCC.org, 2) maps of the treatment areas with scheduled treatment dates, and 3) applicator's contact phone number(s).
- h. Address any application related concerns or complaints in a timely manner. Inform the EA and the LGWCC of all complaints and the resolution of same.
- i. Provide an End of Season Summary Report to the EA and LGWCC no later than November 19<sup>th</sup>.



## 2021 Applicator Bid Sheet

Applicator Name \_\_\_\_\_

Application rate per acre for *Hydrilla* \$ \_\_\_\_\_

Application rate per acre for *Lyngbya* and the applicable acreage to be treated:

Rate per acre \$ \_\_\_\_\_ up to 100 acres

Rate per acre \$ \_\_\_\_\_ up to 200 acres

Rate per acre \$ \_\_\_\_\_ up to 300 acres

Note: It is understood that application rates for *Lyngbya* may vary by acreage treated.