



Town of Fountain Hills
16705 East Avenue of the Fountains
Fountain Hills, Arizona 85268
Phone: 480-816-5100
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www.fh.az.gov

**REQUEST FOR QUOTATION
For
FOUNTAIN LAKE TESTING**

2016-156

All quotes due by Monday, August 24, 2015, 3:00 P.M., Local Time, Phoenix, Arizona.

The Town of Fountain Hills (the "Town") is seeking a licensed and qualified vendor to provide all material and labor required as described below for a period of one year, with two renewable one-year options.

Section I – Project Information

Vendor will perform water quality testing in Fountain Lake as follows:

1. October 1st through March 31st - one time per month.
2. April 1st through September 30th - two times per month.

Vendor will provide test results and invoices for each month of service in a timely manner. Vendor will also provide contingency cost for two seasonal lake treatments for algae blooms or lake odor during the summer months. This service may or may not get used depending on the water quality issues each year.

The Contract created by this request and the resulting quotation will automatically renew for up to two successive one-year terms, unless the Vendor notifies the Town in writing of its desire to terminate the Contract. If extended, the then-current prices shall be applicable during the subsequent renewal year unless the Vendor notifies the Town in writing of any rate increase and the Town approves the increase with an authorized signature, prior to the end of the then-current term.

Section II Instructions and Conditions

1. Quantities as described in Section I above are estimates only, based upon available information. The Town reserves the right to adjust the quantities as necessary to meet its needs.
2. Vendors must state the manufacturer of each product quoted on in conformity with the specifications.
3. All quotations must contain the quoting firm's name and be signed by an authorized agent, officer or employee.
4. Award will be made to the Vendor whose quotation is the most advantageous to the Town.
5. Please attach your Quotation behind the Exhibit A cover sheet and submit this document to the address above.

If you need additional information or have questions please contact Don Clark/Supervisor of Parks by email Dclark@fh.az.gov.

Section III – Pricing

The Quotation shall be attached hereto as Exhibit A and shall contain pricing. **Note:** Prices offered shall include applicable state and local taxes.

Section IV – Execution and Submission

By executing this document and submitting a quotation to the Town of Fountain Hills, the authorized agent agrees (i) he/she has read the Town’s Standard Terms and Conditions, dated December 3, 2014, as set forth on the Town of Fountain Hills website (www.fh.az.gov/po-terms), which are incorporated into and become a part of the company’s quotation offer as if set forth fully herein and (ii) the company shall be bound by the Standard Terms and Conditions, dated December 3, 2014. By signing below the company is offering to provide the services set forth in Exhibit A and upon written acceptance of the company’s offer by the Town, it will have entered into a binding agreement. The offer shall be considered held open for 60 days from the quotes due date set forth above.

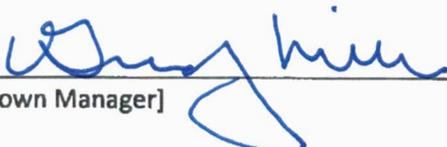
Signature:  Date: 09-09-15
Printed Name: Frederick A Amalfi Title: Vice Pres.
Company Name: Aquatic Consulting & Testing, Inc.
Address: 1525 W. University Dr., Suite 106
City: Tempe State: AZ Zip: 85281
Email Address: ramalfi@aquaticconsulting.com Telephone No. 480-921-8044

Quotations for \$30,000 or greater will not be authorized and will require a formal procurement process.

ACCEPTANCE OF OFFER AND CONTRACT AWARD (For Town of Fountain Hills Use Only)

The Contractor Offer is hereby accepted. The Contractor shall not commence any billable work or provide any materials or service under this Contract prior to the date this Contract is executed.

Town of Fountain Hills, an Arizona municipal corporation

 Date: 9/10/2015
[Town Manager]

Town Attorney Approval: 6514280

EXHIBIT A
TO
REQUEST FOR QUOTATION
FOR
FOUNTAIN LAKE TESTING

[Vendor's Quotation]

The following program is designed to monitor and address three basic needs and their cumulative:

1. algae and aquatic weed control
2. odor management
3. reduction and prevention of fish kills

These three basic needs all provide for the primary purpose of the lake: Providing citizens and guests with an aesthetically pleasing center piece of the recreational area and the Town of Fountain Hills.

PART 1 ROUTINE MONITORING

AC&T will monitor the lakes two times per month during the biologically active season (Mar-Oct) and one time per month during the winter (Nov-Feb). The table below shows the tests that would be performed, the number of tests, annual total cost, and the reason for inclusion. Please note that the algae ID test includes screening for the golden alga, *Prymnesium parvum*, the organism that has devastated the fish populations in nearly twenty urban lakes in metropolitan Phoenix.

Routine Budget

Test	No. tests annually	Cost per test \$	Annual cost \$	Justification
Algae ID and count	20	125.00	2,500.00	Identify toxic algae; identify form of algae causing problem and select treatment accordingly
Nutrients (nitrate, nitrite, TKN, total phosphorus)	20	65.00	1,300.00	Primary trigger and predictor of algae blooms
Oxygen profile	20	0.00	0.00 included	Assure adequate vertical circulation and oxygen for fish health
pH, ammonia, temperature	20	35.00	700.00	Adequate vertical circulation, potential ammonia toxicity to fish
Heavy metals	1	400.00	400.00	Assure no significant metals accumulation occurring.
Shoreline survey	20	50.00	1,000.00	Identify any algae or plant or fish problems that impact aesthetics and odors.
Report prep.	12	75.00	900.0	Documentation for future reference
Labor and travel	20	200.00	4,000.00	Includes boat, field equipment, sampling and measurements, and field crew labor.
TOTAL			10,500.00	Monthly fee \$875.00

PART 2 CONTINGENCIES FOR ALGAE AND ODOR MANAGEMENT

Because of its reclaimed wastewater source and our arid environment, Fountain Lake can be subject to a number of undesirable conditions including algae blooms, fish kills, and odors. The monitoring program has been designed to minimize these occurrences, but cannot guarantee absolute elimination. Natural or wastewater process driven events as toxic algae blooms or ammonia spikes, respectively, are nearly impossible to prevent, but can quickly and effectively be managed to minimize adverse impact.

We propose a contingency budget so that funds are available to quickly and effectively manage and mitigate a problem. For events as toxic algae blooms, immediate response is absolutely necessary to save the fish population. One or two days delay can result in loss of all fish. Nuisance conditions such as malodors do not require as an immediate response, although public perception and complaints may dictate such a need.

The following budget is proposed for use on an "as needed" basis. A point of contact for the Town is suggested so that verbal approval can be immediately obtained for purchase of materials and the labor effort.

Contingency Budget

Event	Freq	Materials	Material cost	Labor \$	Total Cost \$
Golden algae bloom	1	Algaecide (150 gal)	4,200.00	800.00	5,000.00
Shoreline odors	3	Water- odor neutralizer-peroxide (10 ea 50-lb bags)	2,250.00	400.00	2,650.00
	2	Shore-odor neutralizer-permanganate(100 lb)	800.00	600.00	1,400.00
Filamentous algae bloom Bottom algae boom	2	Liquid algaecide (50 gal)	2,800.00	700.00	3,500.00
	2	Granular algaecide (600 lb)	2,500.00	500.00	3,000.00
Additional grass (100) carp (White Amur) for weed management	1	Fish (100 each 10-14") includes delivery	1,600.00	None	1,600.00
TOTAL					14,500.00

Frederick A. Amalfi, Ph.D., C.L.M.
OPM Lic. 4418