

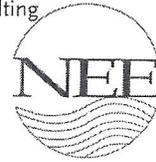
Original

BAR

New England Environmental, Inc.
Environmental Consulting

15 Research Drive
Amherst, MA 01002
(p) 413.256.0202

6 Way Road, Suite 214
Middlefield, CT 06455
(p) 860.316.2001



www.neeinc.com

MEMO

To: Bonnie Reemsnyder, First Selectwoman – Old Lyme, CT
Rogers Lake Weed Control Committee Members

From: Scott Fisher, New England Environmental, Inc.
Mark June-Wells, New England Environmental, Inc.

Date: April 2, 2014

Project: Rogers Lake Weed Control
Lyme & Old Lyme, Connecticut

RE: Scope of Work Development with Price Estimates

Bonnie & Committee Members,

At the request of the Committee (as discussed during a meeting held on March 10, 2014) New England Environmental, Inc. (NEE) has developed a Scope of Work associated with the Rogers Lake Weed Control project in Lyme and Old Lyme, Connecticut. The Committee also requested cost estimates for the proposed Scope. We feel that this Scope of Work is extremely thorough and should allow us to research and study all elements of the weed control project. We also understand that the Committee may want to discuss the costs associated with this Scope of Work. We would be happy to conduct either a conference call or meeting to discuss, in detail the projected costs for the project work.

Please feel free to email or contact us regarding any questions you may have about the Scope of Work, costs or the project.

Sincerely,

New England Environmental, Inc.

Scott Fisher

Vice President – Restoration Division/Restoration Specialist

Rogers Lake Scope of Work

- 1) **Assessment/Review of Documented Rogers Lake Information (\$3,780.00)**
 - a. Historical Review of Data and Reporting (\$1,680.00)
 - b. Identification of Data Shortages (\$800.00)
 - c. Recommendation Report (\$1,300.00)
- 2) **Meetings (\$15,150.00)**
 - a. Kick-off meeting with general public (Rogers Lake Authority) (\$1,850.00)
 - b. Q & A meetings – Inland Wetland Commissions (\$1,050.00)
 - c. Extraneous/Milestones meetings (6) with Committee (\$9,250.00)
 - d. Final Presentation (Panel of 5 representatives) (\$3,000.00)
- 3) **Plant Survey (\$7,900.00)**
 - a. Protocol and QAPP development (\$1,000.00)
 - b. Evaluation of the plant community including mapping (GPS/GIS) of all non-native and problematic species (July) (\$5,200.00)
 - c. Reporting (\$1,700.00)
- 4) **Development of Water Quality Monitoring Protocol (\$11,600.00)**
 - a. QAPP development (\$1,900.00)
 - b. Water Quality Monitoring (monthly, May-October) (\$6,300.00)
 - c. Analysis and Reporting (\$3,400.00)
- 5) **Sediment Study (\$5,400.00)**
 - a. QAPP and protocol development (\$1,900.00)
 - b. Assessment of total internal nutrient loading (sources, monitoring suggestions) (\$1,600.00)
 - c. Analysis and Reporting (\$1,900.00)
- 6) **EPA 9 Elements Watershed Study (\$65,000.00)**
 - a. RFP development
 - b. Understand watershed influences
 - c. Aquifer Investigation
 - d. Contact Water Pollution Control Authority
 - e. Septic System Investigation
- 7) **Herbicide Permitting (\$1,800.00)**
 - a. Local/Inland Wetlands
 - b. State
 - c. NDDB
 - d. Federal
- 8) **Herbicide Impact Assessment on Human Health (\$6,550.00)**
 - a. Herbicide Health Risk Assessment
 - b. Study design
- 9) **Wildlife Impact Evaluation (\$3,675.00)**
 - a. Habitat Assessment (Birds, Fish, Insects, Mussels) (\$1,250.00)
 - b. Data Review (toxicology, fate/transport, habitat, etc.) (\$925.00)
 - c. Impact Evaluation Report (\$1,500.00)
- 10) **Non Chemical/Chemical Vegetative Control Assessment/Options (\$19,350.00)**
 - a. Review of Options (\$8,125.00)
 - b. Matrix Development (\$8,375.00)
 - i. Pros/Cons
 - ii. Pricing

- iii. Timing
- iv. Permitting issues
- v. Likelihood of Effectiveness
- c. Final Report (\$2,850.00)
- 11) Development of Management Plans (following presentation of findings to Town)
(\$7,525.00)
 - a. Plant Management Plan (\$3,275.00)
 - b. Post plant control monitoring protocols (\$1,500.00)
 - c. Water Quality Management Plan (\$1,500.00)
 - d. Maintenance Plan (continued plant & water quality surveys)(\$1,250.00)

Total

147,730

Revised

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MEMO

To: Rogers Lake Weed Control Committee Members

From: Scott Fisher, New England Environmental, Inc.
Mark June-Wells, New England Environmental, Inc.

Date: April 15, 2014

Project: Rogers Lake Weed Control
Lyme & Old Lyme, Connecticut

RE: Revised Scope of Work Development with Price Estimates/Price Schedule

Committee Members,

At the request of the Committee (as discussed during a meeting held on April 8, 2014) New England Environmental, Inc. (NEE) has revised the Scope of Work associated with the Rogers Lake Weed Control project in Lyme and Old Lyme, Connecticut. The Committee requested revision to the Watershed Analysis scope of work and requested a payment schedule for the life of the project. The Committee also asked NEE to investigate what information would be reviewed for the development of the Human Health Risk Assessment. The Scope of Work as presented herein consists of tasks that we believe are imperative in the development of the final presentation and public notification.

The toxicologist informed NEE that the Human Health Risk Assessment will involve investigation and assessment of EPA's findings for each herbicide included in the management matrix, State resources and documentation on the herbicides as well as other relevant studies involving herbicide investigations. The focus would be on the degradation of the herbicides and inert ingredients and on potential impacts of herbicide use on drinking water supplies and groundwater.

The Sediment Study task has been removed from the proposed scope as it is not a task we feel necessarily needs to be completed during the development of management plans. NEE has also revised the task originally titled, EPA 9 Elements Watershed Study. A full watershed study would provide detailed water quality analysis of the lake and the watershed surrounding the lake. The focus of this task has shifted to a Domestic Well Impact Evaluation, which will specifically address the concern over herbicide contamination of private wells surrounding Rogers Lake.

Please feel free to email or contact us regarding any questions you may have about the Scope of Work, costs or the project.

Rogers Lake Scope of Work

- 1) **Assessment/Review of Documented Rogers Lake Information (\$3,780.00)**
 - a. Historical Review of Data and Reporting (\$1,680.00)
 - b. Identification of Data Shortages (\$800.00)
 - c. Recommendation Report (\$1,300.00)
- 2) **Meetings (\$15,150.00)**
 - a. Kick-off meeting with general public (Rogers Lake Authority) (\$1,850.00)
 - b. Q & A meetings – Inland Wetland Commissions (\$1,050.00)
 - c. Extraneous/Milestones meetings (6) with Committee (\$9,250.00)
 - d. Final Presentation (Panel of 5 representatives) (\$3,000.00)
- 3) **Plant Survey (\$7,900.00)**
 - a. Protocol and QAPP development (\$1,000.00)
 - b. Evaluation of the plant community including mapping (GPS/GIS) of all non-native and problematic species (July) (\$5,200.00)
 - c. Reporting (\$1,700.00)
- 4) **Development of Water Quality Monitoring Protocol (\$11,600.00)**
 - a. QAPP development (\$1,900.00)
 - b. Water Quality Monitoring (monthly, May-October) (\$6,300.00)
 - c. Analysis and Reporting (\$3,400.00)
- ★ 5) **Domestic Well Impact Evaluation (\$11,000.00)**
 - a. Windshield Survey
 - b. Review Published Resources
 - c. Interview with Health Director(s)
 - d. Well Log Review
 - e. Review of Chemical Treatment Methodology
 - f. Summary Report of Findings
- 6) **Herbicide Permitting (\$1,800.00)**
 - a. Local/Inland Wetlands
 - b. State
 - c. NDDDB
 - d. Federal
- 7) **Herbicide Impact Assessment on Human Health (\$6,550.00)**
 - a. Herbicide Health Risk Assessment
 - b. Study design
- 8) **Wildlife Impact Evaluation (\$3,675.00)**
 - a. Habitat Assessment (Birds, Fish, Insects, Mussels) (\$1,250.00)
 - b. Data Review (toxicology, fate/transport, habitat, etc.) (\$925.00)
 - c. Impact Evaluation Report (\$1,500.00)
- 9) **Non Chemical/Chemical Vegetative Control Assessment/Options (\$19,350.00)**
 - a. Review of Options (\$8,125.00)
 - b. Matrix Development (\$8,375.00)
 - i. Pros/Cons
 - ii. Pricing
 - iii. Timing
 - iv. Permitting issues
 - v. Likelihood of Effectiveness
 - c. Final Report (\$2,850.00)

Spoke w/toxicologist
Would use a multitude of
resources, but not companies
Info w/come from State
? EPA inc. bibliograph

- 10) Development of Management Plans (following presentation of findings to Town)
 (\$7,525.00)
- a. Plant Management Plan (\$3,275.00)
 - b. Post plant control monitoring protocols (\$1,500.00)
 - c. Water Quality Management Plan (\$1,500.00)
 - d. Maintenance Plan (continued plant & water quality surveys) (\$1,250.00)

Payment Schedule for Rogers Lake Assessment

Task	Cost	Anticipated Invoice Date
Task 1 (all)	\$3,780.00	May 31, 2014
Task 2A	\$1,850.00	May 31, 2014
Task 2B	\$1,050.00	September 30, 2014
Task 2C	\$9,250.00	Monthly Invoices completed by January 31, 2015
Task 2D	\$3,000.00	January 31, 2015
Task 3A	\$1,000.00	May 31, 2014
Task 3B	\$5,200.00	July 31, 2014
Task 3C	\$1,700.00	August 31, 2014
Task 4A	\$1,900.00	May 31, 2014
Task 4B	\$6,300.00	Monthly Invoices completed by October 31, 2014
Task 4C	\$3,400.00	November 30, 2014
Task 5 (all)	\$11,000.00	September 30, 2014
Task 6 (all)	\$1,800.00	November 30, 2014
Task 7 (all)	\$6,550.00	November 30, 2014
Task 8 (all)	\$3,675.00	September 30, 2014
Task 9 (all)	\$19,350.00	Completed/Invoiced by December 31, 2014
Tasks 10A & B	\$4,775.00	March 31, 2015
Tasks 10C & D	\$2,750.00	May 31, 2015

~~9750~~

\$88,330

Motion to accept revised scope of work as presented. So voted. Ero/Penniman

Sincerely,
New England Environmental, Inc.

A handwritten signature in black ink, appearing to read 'Scott Fisher', with a stylized flourish above the name.

Scott Fisher
Vice President – Restoration Division/Restoration Specialist