

BROWNFIELDS CLEANUP GRANT COOPERATIVE AGREEMENT

QUARTERLY PROGRESS REPORT

Cooperative Agreement Number: BF-97156001-0

Reporting Period: July 1-Sept 30, 2009

Date Submitted: November 4, 2009

Prepared for:

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1. PROJECT PROGRESS

Progress reported in this section will clearly identify only those activities performed during the reporting period that were undertaken with EPA funds, and will relate EPA-funded activities to the objectives and milestones agreed upon in the grant workplan.

1.1 Status of Activities During the Reporting Period

Workplan Tasks and Activities (from revised 6/06 workplan)

Task 1: Completed and reported in First Quarterly Report.

Task II Community Involvement

Activity 1: Regular Updates on Town Web Page

- The web page was reviewed this quarter; as of July 2008 all Sprague Land Preserve and remediation-related documents are in one location. (www.ctsprague.org; go to *Mukluk Preserve*—we are in the process of re-doing the entire web page so some “Mukluks” aren’t changed to Land Preserves yet). Additional photos have been uploaded to the page, and though they do not pertain to the cleanup, they allow the public to familiarize themselves with the rest of the property.

Activity 2: Scheduled Walks and Activities on the Site

July - September 2009:

- Site inspections and right of way checks by Town crew. Periodic culvert clearing (@ 1/week)
- Fence Maintenance by volunteers
- Patrols by Resident State Trooper for ATV use and breach of containment fence.
- Park regulations permanent sign and kiosk erected
- Walktober events including 2 Conservation Commission sponsored walks as part of the Last green Valley events have been scheduled for next quarter
- Discussions with UConn regarding their desire to return to the site to collect post-project specimens from a control site not in the contaminated area.

Task III Permitting/Signage

Activity 1 Obtain the following Permits: Inland Wetlands

- Inland Wetlands permit obtained (per 1st quarter 07/08 report)

Activity 2 Notification as generator of hazardous waste/ temporary EPA ID number

Not completed at this time due to workplan modification

Activity 3: Access Restriction:

- April 1 – June 30: control fence patrolled regularly.
- April 1 – June 30: Resident State Trooper conducting routine patrols with special attention to ATV paths near fence. (See above ATV News)

Task IV: Project Management and Oversight

Activity 1 Engineering/Professional Services

July 1 – September 30, 2009: Following up last quarter's report regarding the DPH recommendation for keeping the perimeter of the contaminated area secure, and per approval by EPA and DEP representatives, the installation of 1,200 feet of permanent fencing on remediated access road past silt pond was evaluated, and a proposal from a licensed installer was submitted to the Town and accepted. Work will begin next quarter. Photos of the proposed fence will accompany this report.

Activity 2: Engineering (Town Personnel Oversight)

See above

Activity 3: Town Management

- As mentioned the last four quarters, EPA has allowed up to \$25,000 for UConn's phytoremediation project, and the final invoice and report were submitted in the 3rd quarter of 2008/09.
- The First Selectman will request that \$1,200,000 be allocated from state bonding funds from the 2009/10 legislative session, as we have done for the previous 2 years, to continue remediation efforts in the areas of either topping off the site or clear-cutting and excavation.
- In July 2008 the Town voted to accept the DEP \$500,000 Land Acquisition grant for Mukluk. We are still in negotiations with an abutter regarding an easement for public access from Pautipaug Hill Road.
- The Public Works Department has spent a significant amount of time at the property; this quarter efforts focused on the removal of debris around the cabin and the removal of dangerous parts of the porch. Culvert work was minimal due to the (so far) effectiveness of the beaver deceiver.
- July 1 – September 30 and ongoing: regular meetings with LEP and town representatives that included review of DPH suggestions, and next steps. Fence reparation. Trail mapping. Letterbox checking.

Task V: Pond Sediment Control

Activity 1: variable, depending on outcome of beavers etc

- The service forester (Connwood) installed a "beaver deceiver" in the silt pond, and it seems to be working well. Theoretically this contraption fools the beavers into building the dam closest to the area where it can be easily dismantled at regular intervals, while allowing the water flow to remain unobstructed. Place your bets!
- The pond and its sediment control remains an issue. There is currently no funding to address this issue and the sediment, with the help of the (now curtailed) activities of the beaver family, seems to be stable. There are varying opinions by experts as to the possibility of leaching to the river. As mentioned in previous quarters, p. 36 of the ERT report states that the dewatering and removal of soil from the pond would have "a huge ecological impact for its duration."

Task VI: Tree and Vegetation Removal

Activity 1: Removal

(see 3rd quarter 06/07 report re: LEP activities regarding IRM contract award)

Task VIa: Tree and Vegetation Removal via Change Order/Phytoremediation Preparation

Activity 1. Removal: See 3rd quarter 07/08 report: All material was removed from the site, and the rolloffs were removed within the specified time limits.

Task VII: Lead pellet and target removal (preliminary)

(see 4th quarter 06/07 report; preliminary IRM completed)

Activity 1: removal of understory

(see 4th quarter 06/07 report; preliminary IRM completed)

Activity 2: Removal of shells by Town personnel

(see 4th quarter 06/07 report; preliminary IRM completed)

Activity 3: Material profiling prior to disposal

(see 4th quarter 06/07 report; preliminary IRM completed)

1.2 Modifications to the Workplan

Phytoremediation pilot project outline and discussed in 2006/07 4th quarterly report. QAPP approved for additional testing, and letter submitted requesting a decrease in the size of the contaminated area and moving of the containment fence. (approved in the 3rd quarter 08/09). Overall remediation plan (removal of 4" of soil, wetlands issue) to be discussed at the end of the project. No other modifications to report.

1.3 Site-Specific Products

Include a listing of site-specific products completed. Examples include the sampling and analysis plan, quality assurance project plan, site investigation/assessment reports, and remediation plans and designs.

Please see previous quarterly reports.

This quarter: Design and proposal for beaver deceiver, which is on file at the Town offices. Photos included in the CD this quarter.

1.4 Other Deliverables/Work Products

List other deliverables or work products completed in the reporting period and provide as attachments.

- **educational brochures:** information on www.ctsprague.org; as well as complete pdf file of the Environmental Review and an information archive on the Mukluk Page
- **photographs of properties:** EPA has CD's of photos on file and can look at the google earth site of the ERT for additional photos. Photos of the UConn site and its stages of planting and harvesting have already been sent and are included on the CD. Another CD with more photos is included in this report.

2. PROJECT FUNDS EXPENDED

Include tables with details about how much was spent by task and object class.

Note: We are using the table we have heretofore utilized for this grant, for the sake consistency. A complete budget/in-kind workpaper is available for review, outlining the personnel and hours spent per employee, machinery/tools used, the specific task, dates tasks were performed, etc. The Request for Reimbursement Form is also attached.]

Table 1: Summary of Costs Incurred for Project

1.1 Status of Activities During the Reporting Period		
Workplan Tasks and Activities	Total Cost Share	Total Federal Outlay
Task 1: Cooperative Agreement Oversight		
COMPLETED		
Task II Community Involvement		
Activities: web page/media updates, property posting, correspondence re: additional funding, informational sessions/site walks	93.00	0.00
Task III Permitting/Signage		
Activity 3: Access Restriction: (property survey/staking, fence purchase/installation, sign purchase/posting	183.00	0.00
Task IV: Project Management and Oversight		
Activity1 Engineering/Professional Services; Town Management; legal notices		450.00
Activity 3: Town Management (site monitoring visits, data analysis, meetings to revise tasks. described in narrative)	451.93	
Task V: Pond Sediment Control		
Activity 1: initial containment and repair		2,500.00
Task VI: Tree and Vegetation Removal:		
Task VII: Material (lead pellet and target) removal (preliminary)		
(includes Task VI: tree and vegetation removal as well)		
Total Cost Share and Federal Outlay This Quarter (please note: Town now has exceeded cost share requirement)	727.93	2,950.00
Total Remaining Funds	+ 8,568.57	20,238.32

3. BUDGET AND OVERALL PROJECT STATUS

*Include an estimate of the time and funds needed to complete the activities identified in the approved workplan, comparing that estimate with the time and funds remaining, and provide an explanation for any changes. If **overall**, the project is expected to be on target, please state so. For example, individual tasks may be behind schedule, but overall, is the project expected to be completed on time and within budget?*

The Town has applied for and received a no-cost extension until 12/31/09 from EPA. During this time we will install permanent fencing on the access road; we have already installed a more permanent solution to the culvert overflows, to keep any possible contaminants in the silt pond. We are anticipating that all work will be completed before the end of November 2009 and much as it kills us to say it, we'll be closing out this grant.

4. SCHEDULE

Submit a revised schedule if changes have occurred.

The QAPP approval, referenced earlier, constitutes the revisions to the workplan; all activities were completed as scheduled.

5. MINIMUM REPORTING REQUIREMENTS

*Please note that we are trying to eliminate the usage of the property profile forms (PPF) by encouraging **everyone** to utilize ACRES. It is easy to enter your property specific data directly into ACRES thereby avoiding having to fill out property profile forms each quarter. Please include an update on your reporting requirements. A property tracking chart is attached for your convenience. **Note:** Clean-up properties should be entered into ACRES immediately upon receipt of cooperative agreement award.*

Please see attached Property Profile Form; we prefer to continue to complete it manually; please feel free to update and maintain your database with this information

LIST OF ATTACHMENTS

- LEP billing (on file)
- Letter from Connwood foresters with diagram of beaver deceiver for culvert (on file)
- Yearly Form SF 425
- Chart of Hourly Rates for Personnel and Equipment (on file)
- Expenditure workplan for in-kind and EPA funded costs (on file)
- Updated Property Profile
- CD with photos (or attached photos)