



**ADDENDUM NO. 1  
Issued March 25, 2010**

**TO**

**“REQUEST FOR BIDS  
FOR  
ENVIRONMENTAL MONITORING, LABORATORY ANALYSIS  
AND REPORTING SERVICES FOR CRRA LANDFILLS”  
(RFB Number 10-EN-002)  
(RFB Issued February 17, 2010)**

**Note: Bidders are required to acknowledge this and all Addenda in Section 6(a) of the Bid Form.**

This Addendum consists of the Connecticut Resources Recovery Authority's responses to written questions that were received by CRRA by 3:00 p.m., Friday, March 19, 2010, the deadline specified in the Instructions To Bidders for the submission of written questions.

<b>1.</b>	Question	Would you please provide a list of analytical laboratories that are covered by the Connecticut Department of Administrative Services ("CTDAS") contract number 09PSX0054, "Environmental Laboratory Testing Services"?
	Answer	CTDAS contract number 09PSX0054 can be accessed through the CTDAS internet site at the following URL: <a href="http://www.das.state.ct.us/Purchase/bl_Contract_display_detail.asp?F_Type=3&amp;F_ID=14227">http://www.das.state.ct.us/Purchase/bl_Contract_display_detail.asp?F_Type=3&amp;F_ID=14227</a>
<b>2.</b>	Question	Several of the scopes of service require collection of equipment blanks when completing surface water sampling. Are equipment blanks required if we plan to only use disposable equipment/supplies?
	Answer	Equipment blanks are required if the sampling equipment requires decontamination between sample points. If sampling personnel utilize new, disposable sampling equipment at each surface water sample location, equipment decontamination would not be required between sample points, and collection and analysis of equipment blanks would be unnecessary.
<b>3.</b>	Question	Appendix B (Specifications for Performing Dike Monitoring Survey) was missing from the Hartford Landfill Scope of Services. Please provide a copy.
	Answer	On March 16, 2010, CRRA re-posted the Hartford Landfill Scope of Services on its internet "Business Opportunities" page to include the specification and sent an email to everyone who attended the pre-bid conference announcing the availability of the revised Scope. The revised Scope can be found at the following location: <a href="http://www.crra.org/documents/business_opp/2010/rfb_environmental_monitoring_crra_landfills/rfb_environmental_monitoring_scope_hartford_rev.pdf">http://www.crra.org/documents/business_opp/2010/rfb_environmental_monitoring_crra_landfills/rfb_environmental_monitoring_scope_hartford_rev.pdf</a>

4.	Question	Do individual appointments need to be set-up for sampling of the private domestic wells for the Ellington Landfill, or can the sampling contractor simply notify the property owner that it will conduct sampling on a specific day and the sampling location will be made accessible?														
	Answer	<p>All third-party domestic well samples are obtained from outdoor spigots. Therefore, it is generally not necessary to have a specified appointment time to collect the samples. It is imperative, however, that the sampling contractor contact each property owner prior to each scheduled event to ensure that there are no conflicts associated with the scheduled event, and to ensure that the outdoor spigot is accessible and functional (for example, make sure that the spigot has not been turned off during the month of January to prevent freezing).</p> <p>Samples from the two domestic wells on the CRRA property (Scale House and Transfer Station) are collected from indoor taps that can only be accessed Monday through Friday between 7:00 a.m. and 2:30 p.m. A specified appointment time is not required to sample these two domestic wells.</p>														
5.	Question	Who are the incumbent consultants and environmental testing laboratories for each landfill?														
	Answer	<p>Prospective bidders should not interpret CRRA's answer to this question as an endorsement of the current consultants and laboratories, nor should this answer be interpreted as limiting what laboratory(-ies) can be utilized for performing sample analyses. The current environmental monitoring consultants and associated testing laboratories are:</p> <table border="1" data-bbox="446 1150 1414 1612"> <thead> <tr> <th>Landfill</th> <th>Consultant</th> <th>Testing Lab</th> </tr> </thead> <tbody> <tr> <td>Ellington</td> <td>Sound Environmental Solutions</td> <td>Phoenix Environmental Laboratories, Inc.</td> </tr> <tr> <td>Hartford</td> <td>CME Associates, Inc.</td> <td>Phoenix Environmental Laboratories, Inc.</td> </tr> <tr> <td>Shelton</td> <td>Fuss &amp; O'Neill, Inc.</td> <td>Premier Laboratory, LLC</td> </tr> <tr> <td>Wallingford</td> <td>HRP Associates, Inc.</td> <td>Phoenix Environmental Laboratories, Inc.</td> </tr> </tbody> </table>	Landfill	Consultant	Testing Lab	Ellington	Sound Environmental Solutions	Phoenix Environmental Laboratories, Inc.	Hartford	CME Associates, Inc.	Phoenix Environmental Laboratories, Inc.	Shelton	Fuss & O'Neill, Inc.	Premier Laboratory, LLC	Wallingford	HRP Associates, Inc.
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6.	Question	Please provide a summary of Requests for Services (RFSs) that have been entered into between CRRA and the current consultants for each landfill during the current contract period (July 1, 2007 to present).															
	Answer	<p>Request for Services are developed on an as-needed basis. Prospective bidders should not interpret CRRA’s answer to this question as an expectation of the out-of-scope effort that will occur during the contract period of this Request for Bids. The following table summarizes work completed or anticipated to be completed under Requests for Services during the current three-year contract period:</p> <table border="1" data-bbox="472 590 1390 1346"> <thead> <tr> <th data-bbox="472 590 673 730"><b>Landfill</b></th> <th data-bbox="673 590 1247 730"><b>General Description of Services</b></th> <th data-bbox="1247 590 1390 730"><b>Total Dollar Value</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="472 730 673 842">Ellington</td> <td data-bbox="673 730 1247 842">Monitor additional parameters; monitor new domestic well; update base map</td> <td data-bbox="1247 730 1390 842">\$21,486</td> </tr> <tr> <td data-bbox="472 842 673 1058">Hartford</td> <td data-bbox="673 842 1247 1058">Well and bladder pump repairs; re-install survey benchmark; purchase/rent equipment to replace malfunctioning CRRA-owned equipment; two supplemental sampling events</td> <td data-bbox="1247 842 1390 1058">\$16,247</td> </tr> <tr> <td data-bbox="472 1058 673 1169">Shelton</td> <td data-bbox="673 1058 1247 1169">Well and bladder pump repairs; supplemental stormwater monitoring event</td> <td data-bbox="1247 1058 1390 1169">\$5,886</td> </tr> <tr> <td data-bbox="472 1169 673 1346">Wallingford</td> <td data-bbox="673 1169 1247 1346">Well repairs; monitor additional parameters; revise Water Quality Monitoring Plan; develop Quality Assurance Project Plan</td> <td data-bbox="1247 1169 1390 1346">\$41,501</td> </tr> </tbody> </table> <p>It should also be noted that, in September 2009, the Connecticut Department of Environmental Protection (“CTDEP”) approved CRRA’s request to reduce the monitoring frequency at Wallingford Landfill from quarterly to semi-annually. As a result of this reduction in monitoring frequency, no sampling event was required in January 2010. The annual lump sum fees associated with groundwater sampling, documentation and reporting were therefore reduced by \$5,378, and approximately \$10,000 in laboratory analytical fees were avoided. This reduction of approximately \$15,378 in the contract value is not reflected in the RFS total listed for Wallingford.</p>	<b>Landfill</b>	<b>General Description of Services</b>	<b>Total Dollar Value</b>	Ellington	Monitor additional parameters; monitor new domestic well; update base map	\$21,486	Hartford	Well and bladder pump repairs; re-install survey benchmark; purchase/rent equipment to replace malfunctioning CRRA-owned equipment; two supplemental sampling events	\$16,247	Shelton	Well and bladder pump repairs; supplemental stormwater monitoring event	\$5,886	Wallingford	Well repairs; monitor additional parameters; revise Water Quality Monitoring Plan; develop Quality Assurance Project Plan	\$41,501
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<b>7.</b>	Question	For Ellington Landfill, page 5, bullet 5 of the Scope of Services specifies that well purging is to be accomplished either with bailers or submersible variable speed positive displacement pumps. Yet, Condition 20 on page 4 of the Modified Permit 048-2(E) specifies that the “wells shall be pumped immediately prior to sampling.” Is purging by bailer acceptable or is purging to be performed by submersible pump?
	Answer	For Ellington Landfill, purging and sampling of groundwater monitoring wells with a bailer will NOT be acceptable. Purging and sampling of groundwater monitoring wells with Consultant-supplied submersible pumps is required. Consultant is responsible to ensure proper decontamination of the pump(s) between sample points to prevent sample cross-contamination.
<b>8.</b>	Question	For Ellington Landfill, recent laboratory analytical reports have included estimated “J” values for VOCs (i.e., estimated VOC levels that are below the lowest calibration point for the analysis, but greater than the laboratory-established detection limits). Is the analytical laboratory required to report estimated “J” values for VOCs?
	Answer	Yes. For the Ellington Landfill monitoring program, the analytical laboratory is required to report estimated “J” values for VOCs.  This requirement does NOT apply to the other three landfills that are the subject of this RFB.
<b>9.</b>	Question	For Ellington Landfill, recent samples collected from MW-16 for VOC analysis have been collected in unpreserved VOA vials and submitted for laboratory analysis within 24 hours of collection. Is the successful bidder going to be required to meet these requirements?
	Answer	Yes. For quarterly samples collected from monitoring well MW-16 for VOC analysis, collection of the samples in unpreserved VOA vials and submission to the analytical laboratory for analysis within 24 hours of collection is required.
<b>10.</b>	Question	For Ellington Landfill, recent samples collected from the domestic wells and surface water sample locations have included analysis for Zinc, but Zinc is not listed in Table 2 of the Scope of Services for Ellington Landfill. Is analysis of domestic well samples and surface water samples for Zinc required?
	Answer	Yes. Bidders should be sure to include analytical costs for Total Zinc in all domestic well samples, and Dissolved Zinc in all surface water samples.

<b>11.</b>	Question	For stormwater discharge sampling at Ellington Landfill, Page 13 - Task 2 - Paragraph 2 references Outfall 001A if there is insufficient flow at Outfall 001. Where is Outfall 001A located and what are its characteristics?
	Answer	As indicated during the mandatory site tour, designation of Outfall 001A is pending a future site inspection by CRRA. The location will likely be the base of the rip-rap downchute on the southern slope of the landfill, which concentrates sheet flow from the grassed landfill surface and discharges the stormwater to an infiltration basin at the southern end of the site. CRRA will confirm the location of Outfall 001A with the selected contractor during the July 2010 groundwater monitoring event.
<b>12.</b>	Question	Is the consultant to develop a written Quality Assurance Project Plan (QAPP) for the project that addresses QA/QC samples? Has a QAPP previously been developed for the project?
	Answer	<p>The consultant is not required to develop a QAPP for any of the four landfills.</p> <p>In completing the third part of Section 4 (Knowledge, Capability and Experience) of the “Business Information Form,” bidders should discuss applicable Standard Operating Procedures that have been developed/adopted by the bidder and that will be implemented by the bidder if awarded a monitoring contract. Each bidder should also state if it has developed a generic/corporate QAPP that has been approved by USEPA and/or CTDEP.</p> <p>CRRA has drafted QAPP’s for both Wallingford Landfill and Shelton Landfill, and submitted them to CTDEP concurrent with draft, revised water quality monitoring plans for CTDEP’s review and approval. CRRA has specifically excluded the draft QAPP’s and draft, revised water quality monitoring plans from bidder consideration because they have not yet been approved by CTDEP, and are therefore potentially subject to significant revisions before implementation.</p>
<b>13.</b>	Question	Has CRRA determined that the duplicate sample frequencies indicated in the Bid documents are adequate to meet Data Quality Objectives (DQO)?
	Answer	The duplicate sample frequencies have previously been approved by CTDEP, and, therefore, CRRA believes them to be adequate.
<b>14.</b>	Question	The bid documents do not mention collection of Matrix Spike (MS) or Matrix Spike Duplicate (MSD) samples for groundwater or surface water. Are MS/MSD samples required for each project?
	Answer	No. Collection of site-specific MS/MSD samples is not required under the landfills’ monitoring programs.

<b>15.</b>	Question	The RFB does not discuss how the field and laboratory QA/QC data will be discussed in the quarterly and annual reports. It does not appear that Data Quality Assessment (DQA) or Data Usability Evaluation (DUE) analysis has been written up in the previous quarterly or annual reports provided for examination by the bidders. Does CRRA require a report section that specifically addresses the RCPs?
	Answer	<p>With respect to Shelton Landfill and Wallingford Landfill, the field and laboratory QA/QC data is to be evaluated in accordance with the DQA/DUE Guidance issued by CTDEP in May 2009, with the results of the evaluations discussed in the text of the applicable quarterly/semi-annual/annual reports.</p> <p>With respect to Ellington Landfill and Hartford Landfill, the field and laboratory QA/QC data will continue to be evaluated and discussed in the text of the quarterly and annual reports in the same manner as is currently being performed.</p>
<b>16.</b>	Question	If an analysis of RCPs by an environmental professional is to be included in each report, is the consultant required to complete a DQA worksheet similar to those provided in the CTDEP May 2009 guidance on DQA/DUE for inclusion in reports?
	Answer	<p>With respect to Shelton Landfill and Wallingford Landfill, the consultant is required to complete a DQA worksheet similar to those provided in the CTDEP May 2009 guidance on DQA/DUE for inclusion in reports.</p> <p>With respect to Ellington Landfill and Hartford Landfill, the consultant is not required to complete a DQA worksheet.</p>
<b>17.</b>	Question	If in implementing the DQA/DUE process the environmental professional finds that certain data do not meet Data Quality Objectives for the project, or if the environmental professional determines reasonable confidence has not been achieved for certain data, will CRRA pay for re-sampling of wells and re-analysis of samples for the parameters in question?
	Answer	The responsibility to pay for re-sampling of wells and re-analysis of samples will depend upon the specific situation. If, for example, reasonable confidence has not been achieved because the consultant failed to specify applicable Minimum Detection Levels on the chains of custody that accompanied the sample submissions to the laboratory, then the consultant would be responsible to pay for re-sampling/re-analysis. If, for example, there is a matrix interference that requires further investigation, then CRRA would be responsible to pay for re-sampling/re-analysis under a Request for Services.

<b>18.</b>	Question	Are there any groundwater sampling locations where groundwater is assumed to discharge to wetlands and where sample analyses must therefore achieve the (extremely low) Aquatic Life Criteria (ALC) of the Water Quality Standards rather than numeric Surface Water Protection Criteria (SWPC)?
	Answer	No. Bidders are to meet the “Analytical Methods and Detection Limits” discussed under Task 1.2 of each landfill’s Scope of Services.
<b>19.</b>	Question	For Hartford Landfill and Shelton Landfill, is it possible to launch boats from the landfill sites to collect surface water samples or do public boat launches need to be utilized?
	Answer	For both Hartford Landfill and Shelton Landfill, sampling personnel will have to utilize public boat launches. It will be the successful bidder’s responsibility to pay any and all applicable fees for use of the boat launches.
<b>20.</b>	Question	With respect to surface water sampling at Hartford Landfill and Shelton Landfill, what if the contractor is unable to collect samples during the specified sampling month due to reasons outside of the contractor’s control (for example, due to unsafe river conditions associated with ice floes in January; or due to the frequency of rainfall events in Shelton occurring less than 72 hours apart)?
	Answer	If sampling personnel are unable to conduct surface water sampling during the specified sampling month due to conditions outside of their control, CRRA expects that the contractor will continue to monitor conditions into the following month, and conduct surface water sampling by the 15 <sup>th</sup> day of the following month if the opportunity presents itself. For example, if conditions during January preclude sampling, CRRA expects that the contractor will continue to monitor conditions until February 15 <sup>th</sup> and conduct the surface water sampling if the opportunity presents itself. If the contractor is unable to sample by the 15 <sup>th</sup> day of the following month, then the applicable quarterly report must discuss the reason(s) why sampling could not be conducted and include appropriate documentation.
<b>21.</b>	Question	For stormwater monitoring, which organisms are to be included in the Aquatic Toxicity LC50 testing?
	Answer	Please refer to the “General Permit for the Discharge of Stormwater Associated with Industrial Activities,” most-recently re-issued on April 14, 2009, for information pertaining to the aquatic toxicity monitoring protocol.



<b>22.</b>	Question	Because stormwater sampling must be completed within a strict timeframe following a storm event, it is important that access to the locations be provided on a 24/7 basis. How will this access be provided for by CRRA? Will the Contractor be able to "place his lock" upon the access gate? It is assumed that there will be times when CRRA will be unavailable for contact. Shall CRRA coordinate with the appropriate facility management in order to prevent or minimize issues pertaining to afterhours/weekend access to the sampling locations?
	Answer	As indicated during the mandatory pre-bid conference and during the mandatory pre-bid site tours, the successful bidder will be provided with a padlock that will allow access on a 24/7 basis. For work that is scheduled to be conducted outside of normal business hours, the CRRA contract administrator for this project is available via cell phone on a 24/7 basis and expects to be notified ahead of time and at the completion of the work effort.
<b>23.</b>	Question	If private property owners forbid access to sampling sites, or are hostile to field personnel how will CRRA address this issue?
	Answer	CRRA expects that field personnel will immediately remove themselves from the private property and then notify CRRA of the issue. CRRA will then contact the property owner to discuss their concerns and attempt to resolve the issue.
<b>24.</b>	Question	Who would we contact to get copies of previous test reports for each of the landfill projects?
	Answer	Previous monitoring reports are available for review at CRRA's offices in Hartford. In order to make an appointment to review the reports, contact Christopher Shepard of CRRA at (860)757-7706 or <a href="mailto:cshepard@crra.org">cshepard@crra.org</a> . Note that CRRA charges \$0.50 per page for any photocopies requested by prospective bidders.
<b>25.</b>	Question	Who would we contact to get copies of previous proposals and award information for each of the landfill projects?
	Answer	Previous bids and award information are available for review by prospective bidders who submit a Freedom of Information Act (FOIA) request to CRRA. Any FOIA requests must be submitted with a handwritten signature to:  Connecticut Resources Recovery Authority 100 Constitution Plaza Hartford, CT 06103-7722.  CRRA charges \$0.50 per page for any photocopies requested by prospective bidders.

**END OF ADDENDUM 1**