



**ADDENDUM NO. 1
Issued March 3, 2008**

TO

**“REQUEST FOR BIDS
FOR
OPERATION AND MAINTENANCE OF THE ELLINGTON
LANDFILL GAS COLLECTION SYSTEM AND THERMAL
OXIDIZER STATION”
(Bid Number FY08-EN-004
(RFB Issued February 4, 2008)**

Note: Proposers are required to acknowledge this and all Addenda in Section 5(a) of the Bid Form.

This Addendum consists of the Connecticut Resources Recovery Authority’s (CRRA) responses to questions that were raised at the pre-bid conference and site tour on February 14, 2008 and to questions that were submitted in writing to CRRA by February 22, 2008, the deadline for questions specified in the RFB Package Documents. Attached to the Addendum is a list of the individuals that attended the pre-bid conference and site tour.

1.	Question	Would it be possible to extend the bid date one week to complete the bid preparation after the addendum is issued and leave enough time to acquire the bid bond?
	Answer	CRRA is hereby changing the Bid Due Date from Friday, March 7, 2008 to Friday, March 14, 2008.

2.	Question	What has been the primary reason for recent shutdowns of the thermal oxidizer?
	Answer	The primary reason for recent shutdowns of the thermal oxidizer has been problems with electrical relays.
3.	Question	When there is a shutdown at the thermal oxidizer, do the in-feeds from both the perimeter and central gas systems shut down?
	Answer	Yes, when there is a shutdown of the thermal oxidizer, the in-feeds from both the perimeter and the central gas systems shut down.
4.	Question	How frequently must the gas condensate be pumped from the storage tanks?
	Answer	While the frequency varies based on many factors, pumping frequency averages about once per month.
5.	Question	Have there been problems with the system related to freezing temperatures?
	Answer	The only problems with the system related to freezing temperatures has been a tendency for moisture to freeze in the vicinity of the knockouts that are located on the in-feed lines just prior to the thermal oxidizer.
6.	Question	Who is responsible for arranging for a contractor to pump-out the gas condensate storage tanks?
	Answer	The successful bidder is responsible for contracting with a firm for the pump-out of the gas condensate storage tanks. Currently, this work is performed by United Industrial Services. Bidders must indicate in their bids the name of the firm that will provide pump-out and disposal services.
7.	Question	Could CRRA provide an estimate of the cost per month of for pumping out the gas condensate?
	Answer	During calendar year 2007, the average cost per month for pumping out the gas condensate storage tanks was \$710.
8.	Question	<p>In Item 1 under the heading “Contractor’s General Responsibilities” in Exhibit A, “Scope of Services,” to the Agreement, the following appears:</p> <p style="padding-left: 40px;">“Contractor shall be familiar with all applicable regulations, statutes, orders, permits and any other requirements to which the facility is subject and shall have responsibility for maintaining continuous compliance with all applicable environmental and operational requirements.”</p> <p>The statement is very broad and could be construed to include compliance with environmental requirements not applicable to the gas collection and control system. Only “Permit to Operate” No. 058-0027-01 issued by the Connecticut</p>

		Department of Environmental Protection Bureau of Air Management is listed. Provide a list of all other applicable regulations, statutes, orders, permits and other requirements that apply to this project.
	Answer	The statement referenced from Exhibit A is included in the Scope Of Services to remind the contractor of its responsibility to maintain compliance with other applicable regulations, statutes, orders, permits or other requirements. The contractor is responsible for determining which of those is applicable.
9.	Question	Does Permit No. 058-0027-01 have a periodic compliance testing requirement and is this work included in the Scope Of Services for this RFB?
	Answer	No, Permit No. 058-0027-02 does not contain any requirement for periodic testing of the thermal oxidizer and no compliance testing of the thermal oxidizer is included in the Scope Of Services for this RFB.
10.	Question	The phrase “Contractor shall, not less than twice monthly” first appears in the description of Task 1 of the Scope Of Services and is used again in Task 1.1 and 1.2 to characterize the frequency of the routine services described in those sections. This statement is vague and does not define what is expected of the Contractor with regard to the number of visits included in the scope of routine operation and maintenance services. Since the routine services described in these sections are part of the lump sum bid prices contained in Item 1 of the Bid Price And Payment Rate Schedule Form, please clarify the exact number of routine visits that CRRA wishes the Contractor to include in its lump sum bid price for Routine Operation and Maintenance. Since CRRA has many years of operational history with the current system, the number of visits it expects to be included in the Routine Operation and Maintenance should be well established.
	Answer	CRRA expects the contractor to visit the site a minimum of twice per month. It is up to the contractor to decide how many hours it will need to perform the work, and how those hours are distributed throughout two (or more) visits per month.
11.	Question	Task 1.1c of the Scope Of Services states that “The target value for CH ₄ in the perimeter wells 0%.” This statement appears to be contradicted in the instructions provided later in the same section that seems to indicate that a range of 2% to 10% is the desired target range. Please clarify what is required of the Contractor. It appears that, if the perimeter wells were operated down to 0%, it may be difficult to sustain the flare operation.
	Answer	The target concentration for methane in the perimeter wells is 0%. Based on previous experience, a concentration of between 2% and 10% in the perimeter wells generally does not result in off-site gas migration issues, which is why no adjustment to vacuum is recommended in those instances. Although CRRA has provided these guidelines for well adjustment, the priority is preventing

		off-site landfill gas migration. Contractor shall make whatever adjustments are necessary to the perimeter wells to ensure no landfill gas migrates off-site. At the same time, Contractor must be cognizant of the landfill gas quality to the flare and make adjustments to optimize flare operation so vacuum can be maintained on the wellfield while continuing to combust the gas.
12.	Question	<p>Task 1.3, “Routine Maintenance,” of the Scope Of Services is part of the Gas Collection System Operations and Maintenance – Routine Services section. The section states the following:</p> <p style="padding-left: 40px;">“Contractor shall complete any routine maintenance to the system as needed to assure optimum system performance at all times.”</p> <p>This is a very broad statement and is not supported by any examples or list of what may be included in this section. The collection system does not have any moving parts or equipment associated with it so there would generally not be any routine maintenance that might be required to keep it operational. The types of maintenance issues that generally arise with landfill gas collection systems are generally considered non-routine repairs to hoses, wellheads, valves, heat tracing and pipe damage. Please provide specific work items that CRRA wishes to include in the routine maintenance of the gas collection system, if any.</p>
	Answer	Routine Maintenance listed in Task 1.3 is for work such as tightening pipe connections or replacing sampling ports.
13.	Question	The Scope Of Services does not describe any services that may be required that are associated with gas header pipe condensate drains and pumps. Are these features present in the Ellington Landfill gas collection system?
	Answer	Required work is described in Attachment 4 to the Scope of Services, “Ellington Landfill Thermal Oxidizer Station Routine Maintenance Schedule/Log.” This document lists in its “Component” column “Condensate Knockout”. There are two knockouts, one on the central gas stream and one on the perimeter gas stream. Each knockout is heat traced and insulated and condensate from each drains by gravity to the condensate tank located at the Oxidizer Station. Two other condensate tanks collect condensate from the central and perimeter collection systems. The tanks are located near the perimeter access road, generally in the northwest corner of the site.
14.	Question	<p>Task 2, “Thermal Oxidizer Station Operations and Maintenance – Routine Services,” of the Scope Of Services contains the following:</p> <p style="padding-left: 40px;">“The thermal oxidizer can operate with a broad range of central and perimeter gas flows, but may require adjustments as those flows vary over time.”</p> <p>This statement appears to be inconsistent with our understanding of the current actual operating conditions. As gas production continues to decline, the ability</p>

		to maintain the current blower/flare configuration will become less routine and more reactive to system shutdown and alarm conditions. In the event that this becomes an issue, will CRRA be requesting that the Contractor provide recommendations to correct the problem of the non-routine services covered by this contract?
	Answer	In the event there is an issue with the operation of the gas system as it is currently configured, CRRA may request that the contractor provide recommendations to correct the problem. Any such work performed by the contractor would be paid by CRRA as a Non-Routine service.
15.	Question	In Task 2 of the Scope Of Services, the term “repair” is introduced to describe some of the services in this section along with operation and maintenance requirements, such as in items “f,” “g” and “h.” Can we assume that repairs that can normally be completed within the course of routine visits are included in the lump sum price and that repairs that require extra days on-site and the purchase of parts and supplies or require outside contractors are not included in the lump sum bid price for Item 1 in the Bid Price And Payment Rate Schedule Form?
	Answer	Yes.
16.	Question	In reference to Task 3.3, “Contingency Off-Site Gas Monitoring (if required),” of the Scope Of Services, can we assume that the services described in this task are not included in the lump sum bid price for Item 1 in the Bid Price And Payment Rate Schedule Form?
	Answer	Yes, any services involved in implementing contingency off-site gas migration monitoring would be non-routine.
17.	Question	In reference to Task 4.3, “Emergency Generator Operation and Maintenance,” of the Scope Of Services, can we assume that the cost for ultra low sulfur diesel fuel is not included in the lump sum bid price for Item 1 in the Bid Price And Payment Rate Schedule Form?
	Answer	Yes, fuel for the emergency generator would be purchased by the contractor and passed through to CRRA in the same way as the flare pilot fuel, with no markup to CRRA.
18.	Question	In reference to Task 5, “Material and Spare Parts Inventory,” of the Scope Of Services, can we assume that all of the materials and parts listed in this task are not included in the lump sum bid price for Item 1 of the Bid Price And Payment Rate Schedule Form?
	Answer	Yes, any spare parts would be purchased by the contractor and passed through to CRRA. The markup on such purchases will be provided by each bidder in “Section 3” of the “Bid Price and Payment Rate Schedule Form.” The markup

		rate of the selected bidder will be incorporated into “Exhibit B” of the Agreement.
19.	Question	Who is responsible for replacement parts on the equipment if something needs to be replaced?
	Answer	The contractor is be responsible for replacing parts unless CRRA determines it is in its best interest to replace the parts using some other procurement process.
20.	Question	How often is the gas collection system maintained?
	Answer	The frequency of gas collection system maintenance is prescribed in the contract documents. The documents contain minimum frequencies of maintenance on a number of system components. System components not specifically listed in the contract documents shall be maintained by the contractor on an as-needed basis.
21.	Question	Must the gas collection system be maintained around the clock?
	Answer	The landfill gas collection and combustion system must be operated in a way that prevents the emission of landfill gas from the site. The contract requires the contractor to “provide and maintain qualified operating personnel within reasonable proximity to the Landfill to provide 24-hour availability and timely response to system failures, shutdowns, emergencies, alarms, or other problems.” The contract requires a response time to the site of 8 hours from the time the contractor is notified of an alarm or emergency condition.