



ADDENDUM NO. 6

January 18, 2008

TO: ALL POTENTIAL BIDDERS

SUBJECT: BID NO.: 8578-0/23

TITLE: Development of Landfill Gas Utilization Systems (LFGUS) at North Dade and South Dade Landfills

BID OPENING DATE: 2:00PM, Wednesday, February 6, 2008

This Addendum is and does become a part of the above-mentioned bid.

Subsequent to the Pre-Bid Conference held on January 17, 2008 at the South Dade Landfill, the following information, changes, and clarifications are being provided to all potential bidders:

1. **Section 2, Paragraph 2.24.1** – Change 365 days to 730 days
2. **Section 3, Paragraph 3.3.6** – The County will accept, without charge, the condensate produced at the generator station. The bidder will be responsible for engineering and constructing any tanks, lift stations and piping or other appurtenances necessary to deliver the gas condensate to the point in the landfill's leachate management system to be identified by the County's engineer after award of the bid. The County will exercise reasonable care and judgment when specifying the tie in point of the condensate line to the landfill's leachate system to minimize construction costs for the bidder, while serving the operational needs and maintaining the integrity of the landfill systems.
3. **There was considerable discussion regarding a guarantee from the County as to gas quality in terms of Oxygen content and /or Methane content of the Landfill Gas (LFG). Alternately, the County was asked to change the basis of payment for the gas to \$/MMBTU. We will guarantee that the landfill gas will contain no greater than 2 % Oxygen content. It should be noted that should a transmission pipe break or air in leakage occur due to a mechanical failure in the LFG extraction or transmission system, thus increasing the Oxygen Content in the LFG, this is not to be viewed as a breach of the guarantee but as a process upset. With respect to the basis of payment, it remains the same as published in the ITB, that is \$/MCF (dollars per thousand cubic feet).**

4. **There was considerable discussion about the gas volumes and the prediction of the LandGem gas production model.** Please note that we have established a minimum acceptance volume of 400 CFM not an upper bound. With respect to the North Dade Landfill, the County is seeking the gas developer to accept and use as much LFG as possible with a floor level (minimum acceptance of) of 400 CFM. With respect to the South Dade Landfill, the County is seeking the developer to accept and use as much LFG as possible, less the 900 CFM that is to be diverted to WASD, with a floor level of 400 CFM.
5. **Gas Quality, Gas Model and Samples of the LFG.** Bidders are encouraged to prepare their own models and analyses of the gas as they deem appropriate. The LandGem model output that was part of the bid documents was for informational purposes only and are not a guarantee of quantities or quality of LFG produced. At their sole cost, bidders may obtain samples of the LFG and have it analyzed. Should they wish to obtain samples of LFG, they must coordinate access with Armando Cabrera 305-474-7002 for North Dade Landfill or Luis Moreno 305-257-0948/Steve Christensen 305-257-5975 for the South Dade Landfill.
6. **Tonnages in place by Cell were requested.** These are attached in the PDF entitled: "Capacity Analysis (*sic*) Calculations Table". We've also included another Excel File, which may be helpful, entitled: "Landfill Facts At A Glance".
7. **One bidder raised some questions about the LandGem Model output.** HDR, our consultant, reviewed the issue and offers the following. "We looked into the gas models and found the answer to be very simple. For the South Dade Landfill, the reason methane was not being shown on the graphs was that it has the same value as carbon dioxide. The reason for this was the assumption that the average methane content modeled was 50% and the carbon dioxide line was darker than methane and therefore overshadowed it since they are equal. For the North Dade Landfill, the percent methane modeled was 45% on average. Therefore, the assumption in the model is the balance is carbon dioxide or 55% of landfill gas. That is why carbon dioxide showed a higher value than methane."

ALL OTHER INFORMATION REMAINS THE SAME



Km! Ra, CPPO, CPPB, C.P.M.
Senior Procurement Contracting Agent
January 18, 2008