

February 10, 2010

ADDENDUM #1

On January 15, 2010 the City requested proposals for Methane Gas Extraction (#10-10) from municipal landfills. Proposals to be received no later than 4:00 p.m., CDST, March 3, 2010.

PLEASE NOTE THE FOLLOWING:

- (I) The following are questions submitted by potential respondents to the RFP and the answers provided by the City:
 - (1.) What is the total permitted airspace and design capacity report?
 - (A) See page 15 of the RFP document for airspace capacity and no report available.
 - (2.) What is the historical annual tonnage of waste received? Break out waste streams (MSW, C&D, etc.) to the extent possible?
 - (A) Approximately 190,000 tons per year for the period 1999→ present at Eastern Area. New Georgia Landfill closed 1996. No historical information available except as noted on page 15 of the RFP document.

Waste streams are 90% MSW and 10% C&D.
 - (3.) What is the annual waste volume in tons?
 - (A) Eastern Area. Current annual waste volume is 48,000 tons MSW.
New Georgia. Current annual waste volume Phase I (just opened) is 114,000 tons MSW and 18,000 tons C&D.
 - (4.) What is the year of the first waste receipt for each landfill?
 - (A) New Georgia 1952
Eastern Area 1973

- (5.) What is the most recent Tier 2 report?
- (A) Eastern Area only should be available by February 12, 2010.
- (6.) Are digital files of landfill design and aerial topography available?
- (A) City will provide a CD of the lined areas unit floor and capacity elevations and copy of available design drawings.
- (7.) Can the City provide all relevant right of way information from DTE pipeline to Sloss?
- (A) The City will provide all that we have on the CD.
- (8.) Can the City provide as-built information on New Georgia gas collection system (including well construction logs)?
- (A) Available as-built information is provided on CD.
- (9.) In Section I, Part B.7 of the RFP Scope, the existing conditions of the New Georgia Landfill indicate a prior gas recovery effort, existing wells, well heads, etc. How can we obtain the most recent information relative to gas monitoring events for this facility? Why is the prior gas recovery effort not underway currently?
- (A) No monitoring events after 2007. Contract was terminated December 31, 2007. All available information will be provided.
- (10.) What is the current method for managing condensate and leachate at each of these sites? Is recirculation practiced (now or historically) at these sites?
- (A) Condensate is not managed at either site. Leachate is pumped to tanks and then released slowly into the Jefferson County sewer system. Recirculation is not practiced at either site.
- (11.) Can proposers submit on only one of the two landfills?
- (A) Yes
- (12.) Does the City maintain all rights to the landfill gas at each site?
- (A) Eastern Area - Yes
New Georgia – In the process of negotiating one area in question.
- (13.) Do either of these sites have groundwater impacts due to landfill gas migration?
- (A) No

- (14.) Do either of these sites have methane migration issues?
- (A) No
- (15.) Does the City have plans to install, or have they installed, gas extraction wells at any of these sites, other than the infrastructure listed in the RFP document?
- (A) No
- (16.) In reference to the Capability of Party (Section II, C.2), does each reference project have to be associated with landfill gas to energy, or can the reference projects be a mixture of landfill gas management and landfill gas to energy projects?
- (A) Projects can be a mixture.
- (17.) Who will be responsible for modifying the solid waste permits to include gas collection at each site?
- (A) Proposer /Contractor will have to obtain any permits needed for their operation. City will be responsible for and modifications to their existing permits, if needed.
- (18.) How much waste is currently in place?
- (A) Eastern Area – see page 15 of the RFP document for unlined areas. 2.9 million cubic yards in the lined areas.
New Georgia – see page 15 of the RFP document for unlined areas. Phase I Active Area -120,000 cubic yards.
- (19.) How deep is the landfill?
- (A) 60 feet to 120 feet for unlined areas. See information provided on CD for lined areas.
- (20.) Has the City produced a gas generation curve?
- (A) No
- (21.) Do you accept waste water treatment sludge? How much?
- (A) Yes, relatively small amount.
- (22.) How much waste in tons or volume are you permitted to receive?
- (A) 1,200 tons/day at each landfill.

- (23.) Upon successful negotiation of an agreement after selection, what is the City's anticipated operation date of both the gas collection system and reuse project?
- (A) As soon as possible.
- (24.) Does the city/state licensing requirement apply to all parties involved in the project or only to the parties doing on the ground, on-site work?
- (A) Any required licenses are the responsibility of proposer/contractor.
- (25.) New Georgia. What was the date of installation of each well, the date when gas was first flared (if applicable), the location and number of wells installed, whether the collection system is active or passive and what size of flare(s) are/were used to destruct the gas, and estimated percentage coverage of the system over the landfill?
- (A) 90 wells installed in 1990 and 10 wells added approximately 2003; nominal flaring, approximately 100 wells installed above ground and in plain view; active collection system, but not operational since end of 2007, and size of flares not known; 100% coverage of landfill area at New Georgia.
- (26.) New Georgia and Eastern Area. What areas are available for collection?
- (A) See pages 15-17 of the RFP document.
- (27.) New Georgia. What is the gas flow and composition data?
- (A) Available information provided on CD.
- (28.) New Georgia. What was the objective of installing the pre-existing system and confirmation that the installation was voluntary?
- (A) Financial gain and the installation was voluntary.
- (29.) New Georgia and Eastern Area. What is the objective of the proposed expansion of the collection system and destruction of gas at the landfill?
- (A) Financial gain.
- (30.) New Georgia and Eastern Area. Please provide confirmation that the landfill is not required to install a collection system to mitigate odor/gas migration issues or to comply with regulatory requirements.
- (A) Confirmed.

- (31.) New Georgia. Can the City provide Tier 2 NMOC Emission test results for 2005? Any additional results since 2005?
- (A) No.
No.
- (32.) New Georgia. Is the first column of the "Model Results" included in Appendix A of the RFP waste in place and is the unit of measure tons?
- (A) Yes, it is waste in place. No, the unit of measure is megagrams.
- (33.) New Georgia and Eastern Area. Is the landfill defined as a bioreactor?
- (A) No.
- (34.) New Georgia. Is wellfield liquid level data for the existing LFG extraction wells?
- (A) No.
- (35.) Eastern Area. What is the date the landfill opened and anticipated date of closure?
- (A) Opened 1973 --- anticipated closure 2040.
- (36.) Does the Eastern Area landfill have a Title V Operating Permit and is most recent Tier II NMOC Report available.
- (A) Eastern Area does have a Title V Operating Permit and report is in process of being completed.
- (37.) Are LandGem model results available?
- (A) No
- (38.) Can the City provide information concerning the potential gas production by the two landfills?
- (A) During the DTE contract at New Georgia, the system was producing approximately 1.3 million standard cubic feet per day.
- (39.) What is the waste shed that the landfills are approved to receive waste from?
- (A) The City of Birmingham and Jefferson County.
- (40.) Are the landfills in compliance with all of the environmental rules?
- (A) Yes

- (41.) Has there been a gas generation model prepared for each of the landfills?
- (A) No.
- (42.) Are there flow records available for the New Georgia Landfill gas collection system?
- (A) Available information provided on CD.
- (43.) Who has done engineering work at each of the sites over the past five years? Will they be able to compete for the project?
- (A) Volkert and Associates, Inc. They are not planning to partner with anyone.
- (44.) Have areas described as “future” disposal areas in the RFP and shown as “expansion” areas on the landfill sketches supplied with the RFP been permitted for disposal as yet?
- (A) Eastern Area – Yes.
New Georgia Phase I – Yes
New Georgia Phase II – No
- (45.) What are the dates of completion for the closed sections on the color coded sketches?
- (A) Light Blue closed 2003.
Orange before 2003.
- (46.) Is this an open landfill?
- (A) Yes
- (47.) Is this a union site?
- (A) No
- (48.) Are prevailing wages required?
- (A) No
- (49.) Can we dispose of excavated waste at the open face without paying tipping fees?
- (A) No

- (50.) Is backfill dirt available on site without charge?
- (A) New Georgia - Yes
Eastern Area – No
- (51.) Is construction water available at the site?
- (A) Water is available, but there will be a charge for it.
- (52.) Will the work be performed in an area that has a clay cap or synthetic liner?
- (A) Yes, clay only.
- (53.) Will earthwork be required for access to work locations?
- (A) Depends on proposer's anticipated work location at each landfill.
- (54.) Will work be done in winter conditions?
- (A) Depends on proposer's work schedule.
- (55.) Are there hazardous conditions at the site, such as high levels of H² S, asbestos, or hazardous wastes?
- (A) Asbestos in MSW and confined space entry.
- (56.) Will Level A, B or C personal protective equipment be required?
- (A) You are required to meet all OSHA standards and all other applicable standards.
- (57.) Will confined space entry be required?
- (A) Probably, and if so, you must notify the City of any such entry.
- (58.) Are there O&M requirements after construction is completed?
- (A) Yes
- (59.) Will the work be done in phases requiring multiple mobilizations?
- (A) Depends on what each proposer plans to do.
- (60.) Are payment and performance bonds required?
- (A) No. The City basically plans to lease the space to the successful proposer. All cost for construction, equipment, etc. are at proposers cost.

(61.) Are there liquidated damages?

(A) No

(62.) What are the insurance requirements?

(A) See Page 9 of RFP document.

(63.) Is there a copy of the contract available?

(A) No

(64.) Was Tier 2 report done in 2005? Is it available?

(A) New Georgia. No
Eastern Area. Yes Provided on CD. (actually 2004)

(65.) There is an analysis of landfill gas from December 2009 in the RFP document. Was this part of a Tier 2 report? If so, can it be provided?

(A) Yes. Will be available after February 12, 2010.

(66.) Can the City provide a copy of the DTE Biomass agreement/contract that was in place with the City of Birmingham for the purchase of landfill gas?

(A) Yes. Provided on CD.

(2) Any proposal should address the process to establish an escrow account with an escrow Agent to cover the actual documented cost of any environmental cleanup relating to the site at the landfill upon which the gas processing facility, condensate treatment and holding facility, etc., previously owned and operated by the Liquidating Parties are currently located.

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