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California Integrated Waste Management Board

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Arnold Schwarzenegger
Governor

Date: May 10, 2006

To: All Prospective Contractors

RE: Assessment of Landfill Gas Monitoring Well Viability and Its Effect on Greenhouse Gas Emissions (IWM05102)

Addendum No. 1 To the Request For Proposal (RFP)

1. Attached is a list of all businesses who have expressed an interest in this contract to date (Attachment 1).
2. The following questions were submitted during the Question and Answer period.

Q1: Review of the report entitled "Research Roadmap for Greenhouses Gas Inventory Methods", prepared for the California Energy Commission and dated July 2005 indicated that there are two models available for estimating the greenhouse gas emissions from landfill. The methods are (1) the Emission Factor Method and (2) the First Order Decay (FOD) Method. Is the proposed project intended to develop recommendations to the FOD Method only?

A1: The proposed contract is not intended to develop recommendations for any method currently utilized by the California Energy Commission (CEC), rather we would like to provide the CEC with our findings.

Q2: EPA currently has a landfill gas emission model that is based on a first order decomposition rate equation, which is very similar to the equations presented in the FOD Method described in the Energy Commission Report. Can you tell us if the Energy Commission Model is similar to the EPA's LandGEM model in terms of the minimum computer system requirements?

A2: The CEC web site outlines models (i.e., EF) they are using, however, staff is not aware whether the computer requirement of those models is similar to that of EPA's LandGEM.

Q3: Is it possible to obtain the Energy Commission FOD Model? If so, where can it be obtained?

A3: Please contact CEC directly. CEC's web page is <http://www.energy.ca.gov/>

Q4: Is there a testing protocol available for the pressure integrity test for each probe? Will such a test involve modifying the existing probe casing, such as removal and replacement of the probe-head fittings? Is the intent to identify casing/soil interface leakage or simply leakage of the sampling apparatus?

A4: No specific testing protocol is available, however, a sound method must be used for the pressure integrity tests. No disassembly will be required.

The objective would be to verify probe integrity and effectiveness as well as the free flow condition in surrounding soil. Either a vacuum or a pressure must be applied to each of the probes and the time needed to dissipate the pressure or vacuum would be used as one of the criteria to evaluate probe functionality.

Q5: On page 1, the description of "Service Need" is very unclear. "Viability" for what, and what does "functionality determination results" mean?

A5: For the purposes of this RFP "landfill gas monitoring well viability" means the ability of landfill gas monitoring wells to function as they were designed (i.e. are the probes adequate for their intended purpose). For example, are the probe casings cracked, are they installed to the depth where gas could migrate, are they screened adequately to allow gas entry, etc.

This contract will necessitate analyzing existing and field data for 200 selected monitoring probes and making a determination of their functionality (viability). Please refer to Section VI of the RFP, Description of Work.

All other terms, conditions, and requirements of this RFP will remain the same.

If you have any questions relating to this RFP process, please contact me at (916) 341-6105 or at contracts@ciwmb.ca.gov.

Sincerely,

{Original Signed By}

Carol Baker
Contract Analyst
Administrative Services Branch

Attachments

Interested Parties Listing
IWM05102
(Current as of 5/10/06)

The CIWMB has not confirmed the certification status of firms who have identified themselves as CA Certified Small Business (SB) or Disabled Veterans Business Enterprise (DVBE).

Contact	Email	Company	Mailing Address	City	State	Zip	SB	DVBE
Mark Hooyer	mhooyer@kleinfelder.com	Kleinfelder, Inc.	849 W. Levoy Dr.	Salt Lake City	UT	84123		
Carl Workman/ Carolyn Casavan	cworkman@wcenviro.com	West Coast Environmental and Engineering	1838 Eastman Ave., Ste 200	Ventura	CA	93003		
Diana Gould-Wells	dianag@cannonassoc.com	Cannon Associates	364 Pacific Street	San Luis Obispo	CA	93401		
Dick Prosser	rprosser@gc-environmental.com	GC Environmental	1230 N Jefferson, #J	Anaheim	CA	92807	X	
David L. Lucero	dllucero@sbcglobal.net	DL Science, Inc.	532 W. Maple Ave.	El Segundo	CA	90245		
Holly J. Bier	hbier@scsengineers.com	SCS Engineers	4707 Greenleaf Circle, Suite F	Modesto	CA	95356		
Mike Buchanan	michael.s.buchanan@ge.com	Ge Inspection Technologies	875 Cotting Lane, Suite D	Vacaville	CA	95678		
Paul Mitchell	pmitchell@bas.com	Bryan A. Stirrat & Associates	1360 Valley Vista Drive	Diamond Bar	CA	92630		
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David Richter	drichter@ninyoandmoore.com	Ninyo and Moore	5710 Ruffin Road	San Diego	CA	92123		
Bob Healy	bob_healy@urscorp.com	URS Corporation	55 South Market Street, suite 1500	San Jose	CA	95113		
Brad Loewen	bloewen@geomatrix.com	Geomatrix Consultants	2444 Main Street, Ste 215	Fresno	CA	93721		
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