



# ADA COUNTY DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

200 West Front Street  
Boise, Idaho 83702-7300

**DATE: June 28, 2013**  
**TO: ALL PLAN HOLDERS**  
**FROM: ADA COUNTY PURCHASING**  
**NO. OF PAGES: 12**

**RFP13060**  
**Ada County Landfill Hydrogen Sulfide Scrubber Project**

**PROPOSAL DUE: 4:00 p.m. ~ July 15, 2013**

**ADDENDUM NO. 1**

**NOTICE TO PROPOSERS:**

1. This addendum shall be considered part of the documents for the above-mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original documents, this addendum shall govern and take precedent.
2. Proposers are hereby notified that they shall make any necessary adjustment in their estimates on account of this addendum. It will be construed that each proposal is submitted with full knowledge of all modifications and supplemental data specified herein.
3. **Proposers must acknowledge in their proposals that all addenda has been received or the proposal may be deemed non-responsive.**

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- **Questions Received Prior to the Cut-off for Questions June 27, 2013:**
  - **Questions Received at Pre-Proposal Conference June 25, 2013:**
  - **Owner's Clarifications and Corrections to the RFP Documents:**
  - **RFP13060 Pre-Proposal Sign-in Sheets:**

## Questions Received Prior to the Cut-off for Questions June 27, 2013

1. My question is, does Idaho Code 44, Chapter 10 pertain to this project? Will you allow contractors who do not employ 90-95% Idaho State residents to perform this work?

Answer: CONTRACTOR COMPLIANCE WITH IDAHO CODE § 44-1001.

Each Proposer shall be required to demonstrate in the Contractor's Proposal how it will comply with the requirements of Idaho Code § 44-1001 concerning the employment of bona fide Idaho residents on the Project. If compliance is not possible, each Proposer shall explain in detail the reasons it cannot comply with Idaho Code § 44-1001.

Idaho Code § 44-1001: In all state, county, municipal, and school construction, repair, and maintenance work under any of the laws of this state the contractor, or person in charge thereof must employ ninety-five percent (95%) bona fide Idaho residents as employees on any such contracts except where under such contracts fifty (50) or less persons are employed the contractor may employ ten percent (10%) nonresidents, provided however, in all cases such employers must give preference to the employment of bona fide Idaho residents in the performance of such work; . . .

2. Requesting clarification on the minimum welding certifications required for field welding pipe / fittings for project?

Answer: Refer to technical specification 40 27 00 – Process Piping General, paragraph 1.02.B.2 and 3. Add the following clarification as paragraph 1.02.B.2.b.1).c): Welders are required to have current Procedure Qualification Records (PQRs) showing certification in the standard test positions that generally correspond with the work to be performed in the shop or field. No special position PQRs are required. For example, if a 360° pipe weld is to be performed on a horizontal static pipe, then a PQR certification in the 5G position for this particular weld, either groove (pipe butt weld) or fillet (pipe to slip-on flange) as the case may be, are required. The direction of the weld in the PQR shall match the direction of the weld in the work, that is, top down or bottom up. The Welding Procedure Specification (WPS) used in performing the work must match the WPS used in the welder's PQR certification.

3. For the electrical requirements required by the scrubbing system / equipment, where is the point of connection onto the existing electrical system to be connected? And will the existing system be able to handle the additional load required with the new equipment?

Answer: There are different Idaho Power overhead power lines adjacent to each preselected scrubber site. The existing two generators on site are rated at about 1.6MW each, and they feed into the overhead lines adjacent to site alternate 1. Since the scrubber project loads are yet to be determined during the design process, contractors should contact the utility for definitive answers to these questions with respect to their specific system needs.

4. Could you indicate what permits are in place and what permitting is the Contractor responsibility?

Answer: The County has air permits on file with Idaho DEQ for the flare and generators. For the construction of the scrubber, a building permit will be required by the Contractor for the project. An electrical and plumbing permit will need to be pulled by the Contractor through the State of Idaho.

If sewer is required, it is the Contractor's responsibility to contact Boise City Sewer District regarding their requirements for hookup and acceptance of wastewater.

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If alternate #2 scrubber site is utilized, the County's Hillside Ordinance will apply and an application will need to be submitted by the Contractor.

Depending on the specifics of the design and location, other permits may be necessary. The County Engineer will assist in identifying any necessary permits, based on Contractor's proposed design.

5. Can you provide geotechnical information of proposed H2S scrubber sites or adjacent existing flare station-generation facility area.

Answer: No investigations have been done in the footprints given.

6. Indicate what is the electric power source available for this project: location, Voltage, Phases, Amps? Is any fee associated to connect to the existing electric power source?

Answer: See answer to question number 3, above.

7. Can you provide contact Information of local Electrician familiar with the site.

Answer: : Custom Electric, 104 E Fairview Ave, Box 102, Meridian, ID 83642; **Phone:** 208-855-0228; **Fax:** 208-855-5041; <http://www.customelectricinc.net/>

8. Can you provide contact information of local surveyor familiar with the site.

Answer: ALS Land Surveying & Planning, Walter Neitz, (208) 585-5858, Fax (208) 585-9001, 1103 W. Main St., Middleton, ID 83644

9. Section 13 34 23 Indicate to provide buildings as require for scrubber system installation and material storage. Usually scrubbers are tall tanks that not require enclosure (to facilitate crane access for media changes). Please confirm that scrubber system is not required to be enclosed.

Answer: Scrubber system is not required to be enclosed. Buildings would be dictated by your specific process, need for chemical or special storage, need to protect special equipment from freezing or weather, etc.

10. Provide specifications on the existing flare blowers and generator blowers: SCFM range, inches w.c. vacuum, etc.

Answer: For the existing two flare blowers please refer to the supplement following specification section 43 11 23 Landfill Gas (LFG) Blowers in the RFP documents. For the planned blower upgrade that Fortistar will be installing on their generators the following information was provided: "We are planning to use an HSI 12607 blower, which is designed for a 50" WC vacuum and a discharge of 5 psig. After cooling the gas temp design is for 110F on a 90F day." Proposers may contact Matt Nourot with Fortistar for more information at: Matt Nourot, P.E., Director of Engineering and Construction, Fortistar, 11875 Dublin Blvd; Suite A101, Dublin, CA 94568; Tel:(925) 803-1100; Cell:(949) 355-5216; [mnourot@fortistar.com](mailto:mnourot@fortistar.com)

11. In Section 43-32-59: "*The H2 S Scrubber system shall comply with the applicable provisions of 40 CFR, 60 Subpart WWW pertaining to emission requirements*". There are no emissions requirements in 40 CFR, 60 Subpart WWW related to H2S. That rule has emissions requirements related to NMOC destruction efficiency only. Please delete this requirement.

Answer: Delete the referenced sentence and the sentence that follows it in paragraph 1.01.A. Insert paragraph 1.06.E: Venting or stack emissions. Submit emission estimates from the scrubber for inclusion in the Idaho Department of Environmental Quality Permit to Construct application. If there are no emissions indicate that on the submittal.

12. Time for Completion; In Instructions to Proposers-Time for starting and completion, indicate that the Notice to proceed will be issue 10 days after contract agreement, Substantial completion by Feb. 14, 2014 and Final completion by Feb. 28, 2014. As we don't have control on when the contract agreement will be issue, please confirm how many days is the Time for Completion from NTP to substantial completion and final completion. Answer: The Notice to Proceed date is scheduled on or about 08/14/13

13. Can you indicate what is the working hrs. at the landfill. Answer: Contractor work may be performed 24-hours a day. Hours of operation for the general public to access the landfill are Monday-Friday: 7:00 a.m. to 6:00 p.m.; Saturday: 8:00 a.m. to 6:00 p.m.

14. Is there existing hard wire Ethernet connection available in the general area? Answer: There is an 8-port Ethernet switch inside the flare control panel mounted on the north end of the existing flare blower skid. It appears there are 3 open ports. Please coordinate with Chris Cocozzo. Refer to Specification Section 01 31 13 Project Coordination 1.01.C.

15. 2. Section 43 32 59, Part 1.01.C.2 States: "Two Hydrogen sulfide scrubber systems" Is it correct to assume this "Two" is a typo and not a requirement for redundancy. Answer: Delete the word "Two" it is a typo. There is not a requirement for redundancy, but just to clarify, solid scavenger type systems are usually designed in a lead/lag arrangement, so have some redundant overlap of two treatment trains. The scrubber system must be operational continuously after startup, with no scheduled system downtime for routine maintenance such as changing-out solid scavenger type media beds.

16. The Specified H2S Analyzer generates 4 liters/min (X 2 for a total of 8 liters/min) of sample gas. Can this be vented to atmosphere or must it be returned to the system? Answer: It must be returned to the system downstream of the sampling port. The listed analyzer predesign incorporates the sample return.

17. May we obtain historical LFG Constituents data? Answer: Please refer to specification section 43 32 59 Landfill Gas Blower/Hydrogen Sulfide Scrubber System –General, paragraph 2.02.B.2 for general data. Some additional historical data can be provided during design if needed. If any constituent has a potential impact on design decisions, then the Contractor shall take their own samples and perform their own analysis of the existing gas constituents.

18. Are you requiring an H2S analyzer for the inlet or outlet or both? Answer: H2S analyzer is only required for air permit compliance monitoring on the outlet gas that will be combusted in the flares and generators.

19. Is there soil compaction data for Alternate 1 Scrubber Site Answer: No compaction data records are on file.

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## Questions Received at Pre-Proposal Conference June 25, 2013

1. You say there are certain areas where the wells have higher concentrations of H2S. Are they really well defined or is it random throughout the landfill?

Answer: It is random throughout the landfill and it is also between the vertical wells and the horizontal collectors. For the last 10 years we have put horizontal collectors in each lift as we fill it, so they are going across the landfill laterally and there is also vertical wells going down through them and in between them to the deeper waste down below. There does not seem to be any pattern to it. We have noticed that when we change the flow rates on them, over a long period of time the hydrogen sulfide levels usually change and drop.

2. You asked for siloxane treatment in this. Are you looking for a separate system to remove siloxanes?

Answer: That would be part of your response and something we would contemplate. There is a separate line item in the RFP for the cost of this.

3. Most of the siloxane treatment systems that I am familiar with require that the H2S be taken down much lower than your specification. Is that something that needs to be addressed in the proposal also?

Answer: Yes, if you can remove the siloxane then include the siloxane removal equipment and additional H2S scrubbing costs on line item 10 in the Cost Proposal Worksheet. The County is going to evaluate this on an overall basis. Some treatment systems naturally can do that inexpensively, once the initial capital costs are taken care of. If your system is a system that has very low operations and maintenance costs and this would not cost much more, that would be something we would consider. The siloxane removal would be considered a bonus and is not the main driver of the selection.

4. Are you looking more for life cycle costs?

Answer: The County has a capital budget for the project but they will also look at what the overall life cycle costs will be. If an option has a high capital cost but low operations and maintenance costs that will net a positive payback within a few years, then that cannot be ignored. So it will not shut the door if your system capital cost is a little more expensive, because it will be weighed against the life cycle costs of all the options.

5. If we go through and we determine a system based on what we think makes sense, should we address another scenario that is similar that creates an option in the technical part or just say there are some options, but that's not really included in the pricing?

Answer: At a minimum provide the base line items that are asked for in the RFP and the rollup costs at the bottom of the tables should reflect the base items. If you have alternates for one or more of the line items, then insert new line items in the table with subparagraph numbering or identification. For example if you have an alternate to line item 5, then insert a line item "5 alternate" and give the alternate pricing. If this cascades throughout the project and would change the pricing on multiple line items, then just indicate in the proposal that you have another scenario that would price out at \$X and give a general description. The project life is expected to be 20 years, so submit your best proposal based on that life cycle.

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6. When the County does capital project budgeting, do you have a hurdle rate, an IRR you are trying to get over, a payback period?

Answer: Sometimes. We do our best to estimate and put a dollar amount on what we believe it would cost.

7. Does the contractor have to pull out the old double contained condensate lines?

Answer: No, the existing pipe will be left in place. The existing pipe does run through the middle of the Site 2 alternate, so it will most likely need to be relocated and then partially removed during construction. The existing pipeline must remain operational throughout construction until the new pipeline is operational, so careful planning and logistics need to be employed to work around this restriction.

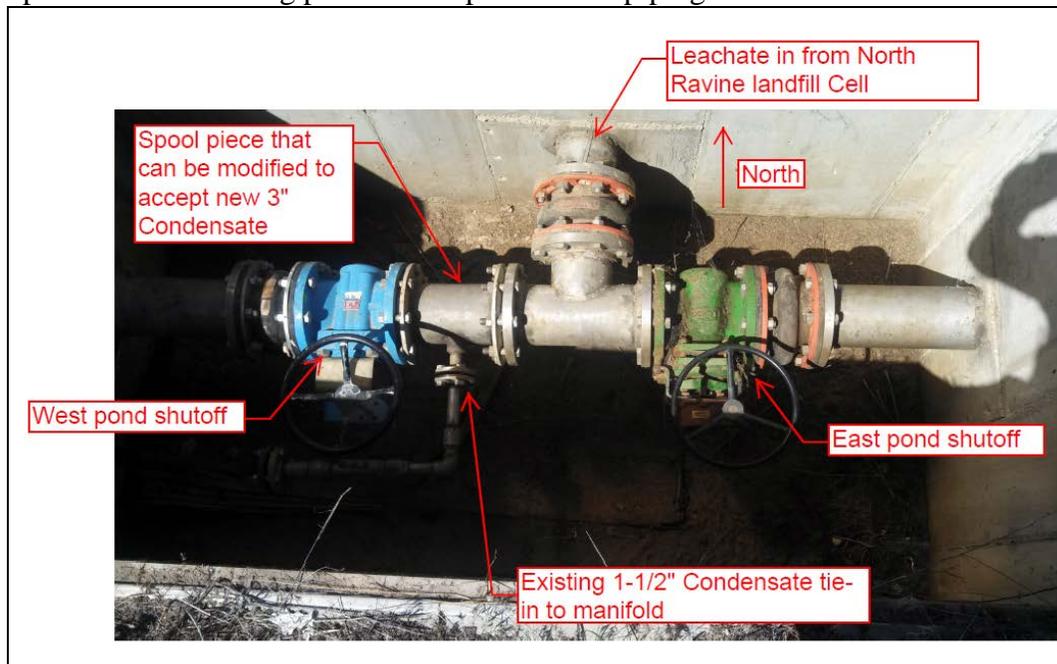
8. Will other site visits be available?

Answer: Yes. That can be arranged with the landfill by contacting Ted Hutchinson at (208) 577-4725, but no questions will be answered.

### Owner's Clarifications and Corrections to the RFP Documents

1. In RFP Item 4.1 Cost Proposal Worksheet, line items 21 through 23. Assume that the H2S scrubber will be operated at 4,699 scfm with an H2S concentration of 2000 ppm for the price extension. Provide unit prices that will be used to calculate the price of the actual amount of consumable supplies and specialized maintenance services provided over the course of the 1-year period.

2. During the site tour on 06/25/13 the leachate/condensate valve vault lid was not opened. The following photo markup shows the piping in the vault:



The new 3” condensate pipeline may enter the vault on the east end (opposite current location) if the Contractor so desires. There is no reason the new pipeline needs to circle the vault as the existing one does.

3. Add the following sentence to specification section 33 05 01.10, paragraph 1.06.A: Contractor shall be responsible for identifying and locating all existing underground utilities.

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**RFP13060 Pre-Proposal Sign-in Sheets:**

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**PRE-PROPOSAL MEETING SIGN IN SHEET**

RFP 13060 Project: Ada County Landfill Hydrogen Sulfide Scrubber Project

Date: June 25, 2013 Time: 1:30 PM

**PLEASE PRINT LEGIBLY** *All attendees must sign-in, including all Ada County employees in attendance*

NAME	COMPANY	PHONE NO.	FAX NO.
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Name <i>Thomas Jones</i>	Company <i>MV Technologies</i>	Phone <i>303-277-1625</i>	Fax <i>303-277-9124</i>
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Name <i>Brad Weg</i>	Company <i>Andgar Corp</i>	Phone <i>208-320-0636</i>	Fax
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Name <i>Derrick Yancy</i>	Company <i>ANDGAR CORP</i>	Phone <i>360-961-5888</i>	Fax
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RFP 13060 Project: Ada County Landfill Hydrogen Sulfide Scrubber Project

Date: June 25, 2013 Time: 1:30 PM

MANDATORY  Yes  No

**PLEASE PRINT LEGIBLY** *All attendees must sign-in, including all Ada County employees in attendance*

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		E-mail	
Name <i>Bruce Krisko</i>	Company	Phone	Fax
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Name <i>Ax. Yower</i>	Company	Phone	Fax
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Name	Company	Phone	Fax
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		E-mail	
Name Kurt Hunt	Company	Phone	Fax
		E-mail	
Name Bob Kobza	Company	Phone	Fax
		E-mail	
Name Bob Perkins	Company	Phone	Fax
		E-mail	
Name Dea Kellom	Company	Phone	Fax
		E-mail	
Name Craig Caldwell	Company CH2M Hill	Phone	Fax
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