

COUNTY OF SONOMA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
2300 COUNTY CENTER DRIVE, SUITE B-100
SANTA ROSA, CALIFORNIA 95403

Phillip M. Demery, Director



AREA CODE (707)

ROADS565-2231
TRANSIT.....585-7516
REFUSE.....565-7940
AIRPORT565-7243
AIR POLLUTION.....433-5911
FAX565-2620
www.sonomacountypublicworks.com

May 16, 2008

NOTICE TO PLAN HOLDERS
FOR CONSTRUCTION OF

CENTRAL DISPOSAL SITE
BLOWER-FLARE STATION PROJECT

COUNTY PROJECT NO. W06939 C39

ADDENDUM NO. 2

The following changes are hereby deemed to be a part of the Contract Documents in full effect as if originally included.

DIVISION I-BIDDING REQUIREMENTS

1. Document 00100, paragraph 10, Bid Submission, DELETE paragraph and REPLACE WITH "*Sealed Bids will be received by the Clerk of the Board of Supervisors, Room 100A, 575 Administration Drive, Santa Rosa, CA 95403, on until 2:00 p.m. as determined by the clock on the wall of the Office of the Clerk of the Board of Supervisors, on May 28, 2008 at which time they will be transferred to Board of Supervisors' Caucus Room where they will be publicly opened and read aloud by the Director of Transportation and Public Works, or his designee. The Bid opening will be in accordance with procedures set forth in Document 00200 (Instructions to Bidders).*"
2. Document 00100, paragraph 12, Contract Time, DELETE last sentence.
3. Document 00200, paragraph 1, Receipt of Bids, DELETE paragraph and REPLACE WITH "*Owner will accept Bids only from Bidders duly licensed in accordance with the California Business and Professions Code and in accordance with paragraph 4 of Document 00100 (Advertisement for Bids). Owner will receive Bids in an opaque sealed 10" x 13" envelope containing the items described in paragraph 6 of this Document 00200. All Bid Envelopes will be time-stamped to reflect their submittal time. Bid Envelopes shall be due by 2:00 p.m. on May 28, 2008. Owner will reject all Bids received after the specified time and will return such Bids to Bidders unopened. Bidders must submit Bids in accordance with this Document 00200.*"

4. Document 00411: DELETE Document and REPLACE WITH “REVISED DOCUMENT 00411” attached.
5. Document 00481: DELETE Document and REPLACE WITH “REVISED DOCUMENT 00481” attached.

Any Bids submitted to meet the original bid opening date of May 21, 2008 will be returned to the bidders unopened.

DIVISION II-CONTRACTING REQUIREMENTS

1. Document 00520, paragraph 3.1, Contract Time: DELETE second paragraph and REPLACE WITH “*Contractor hereby acknowledges and understands that the primary abatement device for the gas collection and control system is the landfill gas to energy plant. Should the gas collection and control system go down for any reason, landfill gas is permitted to go uncollected for a maximum of 5 consecutive days per Bay Area Air Quality Management District (BAAQMD) regulations, unless BAAQMD, at its discretion, grants up to a 90-day variance. Therefore, in addition, the successful Bidder must complete the installation of an operating landfill gas flare system within 90 days following the date that the existing flare is decommissioned. However, the County will add to the end of the 90-day construction time one additional Day for each Day that the flare was not required to operate due to a forced outage of the LFGTE plant that requires a variance, measured from the time when the existing flare is decommissioned to the time of the forced outage. The existing flare must continue to be available as an abatement device to control landfill gas emissions therefore no work that will render the existing flare inoperable shall commence until the new blower flare station system has been delivered in its entirety to the Central Disposal Site.*”
2. Document 00520, paragraph 3.2.2: DELETE paragraph and REPLACE WITH “**An Additional One Thousand Five Hundred dollars (\$1,500.00) for each Day that Contractor fails to achieve a new operating landfill gas flare system beyond the 90-day allowance extension provisions as set forth in Section 3.1 above, until achieved.**”

Bids must identify any and all exceptions to Document 00520 (Agreement) and provide counter terms and/or additions. Terms and conditions not addressed will be considered acceptable to the Vendor. The County reserves the right to reject any proposal that identifies changes to the terms of the Agreement which are not acceptable to the County.

DIVISION IV-TECHNICAL SPECIFICATIONS

1. Document 11500, paragraph 1.4: DELETE all paragraphs and REPLACE WITH “*The Landfill Gas Flaring System, including all ancillary equipment, shall be furnished by either:*”

Perennial Energy
1375 County Road 8690
West Plains, MO 65775
(417) 256-2002

or

John Zink Company, LLC
11920 East Apache
Tulsa, OK 74116
(800) 421-9242

or approved equal. Bidders wanting to use “or equal” item(s) must submit Document 00660 (Substitution Request Form) no later than 14 Days after award. After that date, the Owner will not accept “or equal” substitution requests. To assess “or equal” acceptability of product or system, submittals of substitutions shall contain the information required in Document 00660 (Substitution Request Form) and set forth in Section 01600 (Product Requirements). Insufficient information will be grounds for rejection of substitution. Owner shall, within a reasonable period of time after having received a Request for Substitution, issue in writing its decision as to whether the proposed substitute item is an Equal item. Owner’s decision shall be conclusive on all Bidders.

The equipment shall be designed and fabricated in accordance with the best practices and methods. The flare and all of its parts shall be new; no used equipment will be accepted. Supplied equipment shall be capable of meeting the requirements in this Section 11500 (Landfill Gas Flaring System), emissions limitations set forth in the Bay Area Air Quality Management District (BAAQMD) authority to construct (ATC), and sites Permit to Operate.”

2. Document 11500, paragraph 2.3.C.1: DELETE paragraph and REPLACE WITH “The landfill gas flowmeter shall be comprised of a Kurz Instruments, Inc. Model No.752731-03-23-12-01-88-85-01-0000-21 single point FM approved Mass Flowmeter Element/Transmitter, suitable for installation on a 6-inch diameter stainless steel pipe, and Model No. 750101-04-01-88-04-01-88-88-01-01-00-01 Mass Flowmeter Computer/ Transmitter with a 4-20 mA output, or approved equals. The mounting fittings for the flowmeter and the transmitters shall be 3/4-inch S.S., Model No. 759031-22-20, or approved equal.”
3. Document 16050, paragraph 2.1.A, AMEND to read "~~Material: Copper~~ Copper clad steel"
4. Document 16050, paragraph 2.4.A, AMEND to read "Grounding Electrode Conductor. Sized according to NEC table."
5. Document 16050, paragraph 2.8.A, AMEND to read "~~Description: Cloth tape, split sleeve, or Tubing-type wire markers~~"
6. Document 16050, paragraph 3.3: AMEND existing sub-paragraphs A, B, and C; to be sub-paragraphs M, N, and O, respectively.
7. Document 16050, paragraph 3.3: ADD sub-paragraph as follows:

- A. *The Contractor shall provide complete electrical wiring and installation as identified herein, and as needed for a complete installation. As such, this section provides minimal criteria for the purchase and installation of electrical components, and the installation practices to be utilized by the Contractor. It is not the intent of this section to dictate to the Contractor, the use of any specific brand name electrical component as a part of the complete installation.*
- B. *Electrical work and equipment shall be constructed in accordance with the National Electrical Code for the area classifications given herein.*
- C. *The Contractor shall provide labor and materials as required to complete the work of this Section in accordance with the requirements of governmental agencies having jurisdiction, and all pertinent codes and regulations.*
- D. *Motor-starter, lighting and all work shall be accomplished in accordance with all applicable City, County, and local codes, and the National Electrical Code and its latest revisions and with all pertinent requirements and standard specifications of the local power company.*
- E. *Control panel assemblies shall be wired and tested in accordance with UL or another inspection agency recognized by the State of California. All panel assemblies shall be provided with a UL stamp of approval plainly visible for inspection.*
- F. *Electrical equipment (motors, valves, instruments, thermocouples) shall be wired complete and in accordance with the manufacturer's wiring diagrams and instructions.*
- G. *The area as shown on the drawings shall be classified as hazardous Class 1, Division 2, Group D. All areas below grade are classified as Class 1, Division 2, Group D.*
- H. *Electrical enclosures which house arcing components are to be installed outside the Class 1, Division 2, Group D areas. Components which enclose arcing components installed within the Class 1, Division 2, Group D areas must be rated for these areas.*
- I. *Contractor shall provide and install all conduits, cable and connections between flare panels, and electrical components mounted on the same flare skid assembly.*
- J. *Contractor shall provide and install empty conduits with j-boxes attached at the flare skid's edge, to facilitate field connections between electrical components mounted off the flare skid assembly and flare panels. Note:*

This does not included electrical service, telephone, lights and receptacles which are to be installed by others.

K. Contractor shall provide drawings identifying location and size of empty conduits with j-boxes attached at the flare skid's edge, in order to facilitate field connections between electrical components mounted off the flare skid assembly and flare panels.

L. Contractor shall provide control and connection drawings identifying wire type and count required between flare panels and electrical components mounted off the flare skid assembly which are an integral part of the final installation.

8. Document 16050, paragraph 3.4.C, ADD sub-paragraph as follows:

5. *Test Report*

a. A test report with the following information shall be submitted by the contractor for all tests specified herein and contain at a minimum the following information:

- *System tested*
- *Test method*
- *Equipment used for test*
 - *Manufacturer*
 - *Model*
- *Readings/Results*
- *Date of test*
- *Operator performing test*

9. Document 16123, paragraph 2.7.A.8, AMEND paragraph as follows:

Color-code wires as indicated below:

	<u>120/240-Volts (1 Ø)</u>	<u>120/208-Volts(3 Ø)</u>	<u>277/480-Volts(3 Ø)</u>
<i>Phase:</i>	<i>a – black</i>	<i>a – black</i>	<i>a – brown</i>
	<i>b – red</i>	<i>b – red</i>	<i>b – orange</i>
		<i>c – blue</i>	<i>c – yellow</i>
	<u>120/240-Volts</u>	<u>120/208-Volts</u>	<u>277/480-Volts</u>
<i>Phase:</i>	<i>n – white</i>	<i>e – blue</i>	<i>e – yellow</i>
	<i>g – green</i>	<i>n – white</i>	<i>n – white or natural gray</i>
		<i>g – green</i>	<i>g – green</i>

10. Document 16123, paragraph 3.4.B.3, AMEND paragraph as follows:

Use conductor not smaller than 14 AWG for interconnects wiring in conduit, 16 AWG for control panel wiring.

11. Document 16123, paragraph 3.5.B.1, AMEND paragraph as follows:

All 600 volt conductors 8 AWG and larger, shall be verified by use of a 5001000-volt meg-ohm-meter.

12. Document 16123, paragraph 3.5.B, ADD sub-paragraph 6 as follows:

6. *Verify all electronics are disconnected and isolated from any circuits to be tested.*

13. Document 16123, paragraph 3.5.B, ADD sub-paragraph 7 as follows:

7. *Breakers, busses, motors, and wiring shall have meg-ohm test readings exceeding 200 meg-ohm.*

14. Document 16123, paragraph 3.5.B, ADD sub-paragraph 8 as follows:

8. *All meg-ohm testing specified herein, shall be done in accordance with the megger manufactures recommended test procedures for the equipment being tested.*

15. Document 16123, paragraph 3.5.B, ADD sub-paragraph 9 as follows:

9. *Test Report*
- a. *A test report with the following information shall be submitted by the contractor for all tests specified herein and contain at a minimum the following information:*
- *System tested*
 - *Test method*
 - *Equipment used for test*
 - *Manufacturer*
 - *Model*
 - *Readings/Results*
 - *Date of test*
 - *Operator performing test*

16. Document 16130, paragraph 2.1.C: DELETE paragraph and REPLACE WITH the following:

Galvanized Rigid Steel Conduit (GRSC):

1. *General:*
- a. *Meet requirements of UL 514B.*
- b. *Type: Threaded, galvanized. Set screw fittings not permitted.*

2. *Bushing:*
 - a. *Material: Malleable iron with integral insulated throat, rated for 150 degrees C.*
 - b. *Manufacturers:*
 - 1) *Thomas & Betts; Type BIM.*
 - 2) *O.Z. Gedney; Type HB.*
3. *Grounding Bushing:*
 - a. *Material: Malleable iron with integral insulated throat rated for 150 degrees C, with solderless lugs.*
 - b. *Manufacturers:*
 - 1) *Appleton; Series GIB.*
 - 2) *O.Z. Gedney; Type HBLG.*
4. *Conduit Hub:*
 - a. *Material: Malleable iron with insulated throat.*
 - b. *Manufacturers:*
 - 1) *O.Z. Gedney; Series CH.*
 - 2) *T & B; Series 370.*
5. *Conduit Bodies:*
 - a. *Material: Malleable iron, sized as required by NFPA 70.*
 - b. *Manufacturers (For Normal Conditions):*
 - 1) *Appleton; Form 35 threaded Unilets.*
 - 2) *Crouse-Hinds; Form 7 or 8 threaded condulets.*
 - 3) *Killark; Series 0 Electrolets.*
6. *Couplings: As supplied by conduit manufacturer.*
7. *Explosion Proof Fittings:*
 - a. *Unions:*
 - 1) *Concrete tight, hot dip galvanized, malleable iron.*
 - 2) *Manufacturers:*
 - a) *O.Z. Gedney Type SSP or Type 4 series.*
 - b) *Raco hinged coupling or three-piece coupling.*
 - b. *Conduit Sealing Fitting Manufacturers:*
 - 1) *Appleton; Type EYF, EYM, or ESL..*
 - 2) *Crouse-Hinds; Type EYS or EZS.*
 - 3) *Killark; Type EY or EYS.*
 - c. *Drain Seal Manufacturers:*
 - 1) *Appleton; Type SF.*
 - 2) *Crouse-Hinds; Type EYD or EZD.*
 - d. *Drain/Breather Fitting Manufacturers:*
 - 1) *Appleton; Type ECDB.*
 - 2) *Crouse-Hinds; ECD.*
 - e. *Cable Sealing Fittings:*
 - 1) *To form watertight non-slip cord or cable connection to conduit.*
 - 2) *For Conductors With OD of 1/2-inch or Less: Neoprene bushing at connector entry.*

- f. *Manufacturers:*
- 1) *Crouse-Hinds; CGBS.*
 - 2) *Appleton; CG-S.*

17. Document 16130, paragraph 2.1.D: DELETE paragraph and REPLACE WITH the following:

Liquid-Tight Flexible Metal Conduit:

1. *UL 1 listed for liquid-tight service.*
2. *Galvanized steel, flexible conduit covered with extruded PVC jacket.*
3. *Fittings shall be OZ Gedney or Thomas & Belts.*
4. *Termination: Nylon bushings or bushings with steel or malleable iron body and insulated throat and sealing O-ring.*
5. *Meyer Fittings:*
6. *Provide double locknuts and bushings at all rigid conduit terminations except at threaded hubs. Bushings shall be O.Z. type "A" molded Bakelite except for 2-inch conduit and larger shall be O.Z. type "B" or type "BL" where grounding is required. Use "Meyers" type hubs on all NEMA 3R, NEMA 12 and NEMA 4 enclosures. Threadless fittings shall not be used.*
7. *Sealing of Conduits: After cable has been installed and connected, conduit ends shall be sealed by sealing compound forced into conduits to a minimum depth equal to the conduit diameter. This shall apply for all conduits in accordance with NEC Article 501 for Class 1 locations.*

18. Document 16130, paragraph 3.4.Q, DELETE paragraph and REPLACE WITH the following:

All conduit penetrations into panels/enclosures shall enter at the bottom or the lower 25% of the panels/enclosure side.

PLANS

1. CORRECTION: Drawing 5 of 9, The flare stack concrete pad shall be 16'-0" x 16'-0" x 24" Thick Reinforced Concrete Pad.
2. CLARIFICATION: Drawing E-3, Control diagram is provided as an example of a typical flare system control diagram. Actual control diagram and interconnect will depend on the flare manufacturer selected.

RESPONSES TO WRITTEN QUESTIONS

Question 1. Will Contractor be required to secure construction permits for the project? If so, which governing agencies will permits be required (County/City Building, Electrical, Fire, BAAQMD, etc...)?

Answer: *No, County will secure all required permits for the project. The building*

permit has already been applied for however certain requirements (UL listings and seismic calcs) have been deferred until a specific manufacturer has been selected and detailed drawings and UL listings are supplied by the selected Contractor.

Question 2. Will County wave permitting requirements and use its in house inspection services?

Answer: *County will not waive permitting requirements as discussed in Question 1 above. The County will use in-house Engineers for daily inspection of construction activities, County Building Inspectors for the building permit sign off, as well as outside contractors for specialty inspections.*

Question 3. What is the approximate concrete thickness of the existing slabs, for demo purposes (blower, flare, and walkway)?

Answer: *From as-built drawings of the existing flare, the thickness of the flare pad is 18 inches, blower pads are 12 inches, and walkways are 4 inches thick.*

Question 4. Are epoxy anchors an acceptable alternative to concrete set anchors for the Flare Stack? In past experiences, structural engineers have allowed for stainless steel anchors to be set using a Hilti type epoxy.

Answer: *Epoxy set anchors shall not be used. The flare anchor bolts must be embedded in the flare pad and of the type shown in the detail on drawings.*

Question 5. Will "Demo & Removed" items (existing Blower Skid, Flare Stack, etc ...) become the property of the Contractor?

Answer: *Yes, except as noted on Sheet 3 of the Drawings and this addendum. The existing compressor and compressor canopy must be surrendered to the County in the same condition as removed for reuse. All stainless steel piping must be surrendered to County.*

Question 6. Once existing slab and equipment are removed will over excavation and recompaction be required prior to pouring new concrete pads?

Answer: *Over excavation and recompaction is not expected. The new flare is going over the same footprint as the existing flare and it could be assumed that native soil or engineered fill underlying existing pads is competent. However, Engineer shall approve competency of underlying soil prior to placement of any additional material. Over excavation beyond limits of line and grade as shown on the Drawings would be at Contractors expense.*

Question 7. No waste is accepted at the site, is that correct? Also what wastes can transfer station accept and will it be at no cost to contractor for project construction debris?

Answer: *The County has decided to accept the construction debris at no cost to the contractor. Accepted wastes are cardboard, metal, scrap iron, concrete,*

construction-related debris, soil, rock, and vegetative waste and must be approved by the County. The County has strict rules of recycling and all wastes must be sorted prior to final deposition. Concrete must be free of rebar and wire. Metals must be of proper dimension; County may provide a debris box at the flare site for contractor to load with metals. Contractor shall transport all other debris to the locations designated by the County. Most on site recycle areas are within about ½ mile from the project site.

Question 8. Typical concrete curing time is 28 days after pouring. In order to meet contractual time line will County wave curing time?

Answer: *The flare and equipment can be set on the pads once they have achieved a compressive strength of greater than or equal to 3000 psi per section 03300 in the specifications. If materials testing can prove the specified strength has been achieved prior to the 28 days, the flare and equipment may be placed. Contractor as his sole expense may propose a higher strength concrete mix design such that the 3000 psi requirement may be reached in less time; Contractor must still demonstrate that 3000 psi has been obtained before securing equipment. Also see Question 30 below, the County may consider extending the construction time line.*

Question 9. Is existing condensate drain line dual contained?

Answer: *The existing condensate drain is not dual contained, there is no requirement for it to be so.*

Question 10. Plans specify 4" crushed rock from existing K.O. to new Blower Skid be used and ¾" crushed rock from new Blower Skid to new Flare. Is this correct, or would County prefer it all to be ¾" crushed rock?

Answer: *The entire area is to be covered with a 4-inch thick layer of ¾" crushed rock.*

Question 11. While the installation costs between a Perennial Energy and John Zink flaring system are minimal, the actual flaring system equipment can have a significant cost variation. Should Contractor's bid include pricing from both manufacturers? Should contractor turn in two bid sheets, one for Zink and one for Perennial for separate cost evaluation?

Answer: *The specific requirement for these two manufactures has been removed and a flare manufacturer that can meet the permit and specification requirements may be approved as equal. The County recommends you follow Document 00200 (Instructions to Bidders), paragraph 19, Determination of Apparent Low Bidder and submit one bid sheet.*

Question 12. Electrical conduits between MCC and Blower Skid, Compressor and Lighting Fixtures will be below ground. Conduits between Blower Skid and Flare and other control devices are to be above ground, is this correct?

Answer: Depending on the flare manufacturers equipment configuration, the conduits may be above or below ground between the MCC and blower skid. Above ground conduit placement shall not constitute a trip hazard or impede movement of personnel or equipment within the flare station.

Question 13. County is responsible for 90 day BAAQMD variance, should one be required, is that correct?

Answer: Yes, the County is responsible for 90 day BAAQMD variance, should one be required.

Question 14. Is construction water available at the site?

Answer: Yes, the County has decided to make construction water available at the site. A hydrant is available immediately above the project site.

Question 15. Will a temporary (portable) air compressor be allowed and or required to supply air to the well field to operate sumps and pumping wells?

Answer: No, a temporary air compressor will not be required to supply air to the well field to operate sumps and pumping wells. A backup compressor already is part of the system and should meet the demands of the pumps.

Question 16. Is new 18" corrugated metal culvert to be installed above or below ground?

Answer: The new 18" corrugated metal culvert is to be installed below ground.

Question 17. Is existing power supply at the existing flare station sufficient for proposed Flare Station?

Answer: The existing power supply at the existing flare station is not sufficient for the proposed flare station therefore a new conduit has already been installed between the power supply near the transfer switch to just shy of the flare site (see Sheet 2 of the Drawings). The Contractors must provide and install the conductors between the transfer switch and the flare in their bid. The existing power supply (conduit and conductors) will be abandoned and left in place for possible reuse by the County. The existing breaker in the transfer switch for the existing flare shall be surrendered to the County as well.

Question 18. Will a temporary field office be required?

Answer: No, a field office will be at the Contractors convenience should you chose to provide one however, County will not be able to provide telephone, fax, copy, or other office services to the Contractor should you chose not to provide a field office.

Question 19. Does site have sufficient gas quantity to allow for both the Gas to Energy Plant and Flare Station to operate simultaneously to allow for initial equipment

testing, 14 day demonstrative testing and final source testing? If not will the power plant be shut down during testing?

Answer: *Currently the LFG production of the landfill will not support running both the Landfill Gas to Energy (LFGTE) plant and the flare at capacity. The contractor will coordinate with the County and LFGTE for when demonstration testing can be conducted. For the purposes of the demonstration test the flare will have to demonstrate proper operation under the followings conditions: 1) 24 hours at permitted capacity, 2) 6 days at 50% permitted capacity, 3) 7 days at maximum turn down (minimal flow capacity). The source testing will be performed at the permitted capacity.*

Question 20. Are existing stainless steel and electrical piping along slope live or have they been disconnected?

Answer: *All existing stainless steel and electrical piping along the slope have been disconnected.*

Question 21. What size (hp) and voltage is the existing compressor?

Answer: *The existing compressor is 25 hp, 100 scfm, and 480 volts.*

Question 22. Is existing +2" rock around existing Flare Station to be removed? If so, can it be disposed of on site?

Answer: *There will be minimal grading in front of the existing flare station to make it drain as shown on the drawings and yes it can be disposed on site at a location approved by the Engineer.*

Question 23. Is new fencing to encompass relocated compressor pad along with flare and blower skids?

Answer: *New fencing will not encompass the relocated compressor pad. It shall terminate as shown on the drawings at the compressor pad however it will encompass the flare and blower skid as shown on the drawings.*

Question 24. Is expansion joint on piping run from blower skid to flare stack to be flanged? Specifications available?

Answer: *The expansion joints shall be flanged. Specifications shall be per flare manufactures recommendations for vibration isolation and expansion on affected piping run.*

Question 25. Will construction debris (packing material, daily generated trash) be allowed to be disposed of at the transfer station at no cost to the Contractor?

Answer: *The County has decided to accept construction related debris at no cost to the Contractor. However the County has strict rules on recycling and all debris must be sorted and disposed according to County policy (see Question No. 7*

above).

Question 26. Is existing conduit from transfer switch to new MCC properly sized for proposed wiring?

Answer: Yes, the existing 4-inch PVC conduit, recently installed in preparation for this project, is properly sized for specified wiring. See also Question No. 17 above.

Question 27. Will the contract time line be extended, if needed, due to Flare manufacturing lead and delivery time/permitting/testing issues?

Answer: The contract time will not be extended due to flare manufacturing lead and delivery time or testing issues. The County is responsible for securing the building permit, which has been applied for as discussed under Question No. 1 above and should not affect contract time.

Question 28. Does the new switch gear at the flare station need to be a utility meter main?

Answer: No, the new switch gear at the flare station does not need to be a utility meter main. The power for the flare station will be provided by the existing LFGTE plant as a parasitic load at the transfer switch via the 300-amp breaker to be provide by the Contractor.

Question 29. What A/C rating should the new switch gear have?

Answer: Switch gear shall have the following rating: 400 Amp bus, 42 kAIC.

Question 30. Due to timing issues because of manufacturer's lead time, will allowances be made for construction during inclement weather? Will inclement weather days not count as working days?

Answer: See Document 00700 (General Conditions) Section 15.3, which discusses weather-related delays. The following provisions are intended to provide the Contractor more flexibility while ensuring that the County is not vulnerable to fines issued by BAAQMD for failure to operate the flare.

The County will add to the end of the 90-day construction time one additional day for each day that the flare was not required to operate due to a forced outage of the LFGTE plant that requires a variance. For example, 20 days could be added to the end of the 90-day period if the flare was not required to operate due to forced plant outage for the first 20 days of the 90-day period. However, the substantial completion and final completion dates in the contract documents shall not change and must be achieved independent of any extensions to the 90-day period.

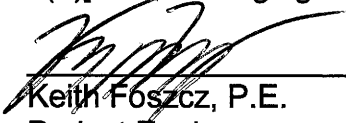
Liquidated damages, as specified in Document 00520, Section 3.2.2 shall only be assessed if the 90-day period as extended under the provisions of Document

00520, Section 3.1, is exceeded.

Question 31. Will debris from grubbed slopes be allowed to be disposed of at the site? At no cost to Contractor?

Answer: Yes, the County has decided to accept debris from grubbed slopes at the project site at no cost to the Contractor.

Please fill out the Addendum section of the Bid Form [Division I, Section 00400, Page 1, 3(a)] acknowledging receipt of this Addendum No. 2.



Keith Foszcz, P.E.
Project Engineer

Attachments: Document 00400
Revised Document 00411
Revised Document 00481

DOCUMENT 00400

BID FORM

To be submitted by the time and date specified in Document 00100 (Advertisement for Bids), paragraph 10.

TO THE COUNTY OF SONOMA:

THIS BID IS SUBMITTED BY:

(Firm/Company Name)

Re: CENTRAL DISPOSAL SITE BLOWER FLARE STATION PROJECT

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with the County of Sonoma, a political subdivision of the State of California ("Owner") in the form included in the Contract Documents, Document 00520 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00100 (Advertisement for Bids), and Document 00200 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 90 Days after the day of Bid opening.
3. In submitting this Bid, Bidder represents:
 - (a) Bidder has examined all of the Contract Documents and the following Addenda (receipt of all of which is hereby acknowledged).

Addendum Number	Addendum Date	Signature of Bidder

- (b) Bidder has visited the Site and performed all tasks, research, investigation, reviews, examinations, and analysis and given notices, regarding the Project and the Site, as set forth in Document 00520 (Agreement), Article 5.
- (c) Bidder has given Owner prompt written notice of all conflicts, errors, ambiguities, or discrepancies that it has discovered in or among the Contract Documents and as-built

drawings and actual conditions and the written resolution thereof through Addenda issued by Owner is acceptable to Contractor.

4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:

SCHEDULE OF BID PRICES

All Bid items, including lump sums and unit prices, must be filled in completely. Bid items, Allowances and Alternatives are described in Section 01100 Summary of Work, paragraph 1.3. Quote in figures only, unless words are specifically requested.

Item	Description	Applicable Specification Section	Quantity	Units	Unit Price	Total Cost
1	Mobilization/Demobilization	Div. IV Section 01270	1	Lump Sum		
2	Demolition and Removal – Existing Flare Station	Refer to bid package Drawing 3	1	Lump Sum		
3	Remove and Reserve for Reuse – Existing Air Compressor	Refer to bid package Drawing 3	1	Lump Sum		
4	Clearing/Grubbing/Balanced Grading	Div. IV Section 02210, 02300	1	Lump Sum		
5	Seeding and Erosion Control	Div. IV Section 02250	1	Lump Sum		
6	Drop Inlet	Refer to bid package Drawing 7	1	Lump Sum		
7	Concrete V-Ditch	Div. IV Sections 02300, 03300	190	LF		
8	18” Corrugated Metal Culvert	Refer to bid package Drawing 7	90	LF		
9	Concrete Work	Div. IV Section 03300	29	CY		
10	Air Compressor	Div IV Section Refer to bid package Drawing 5	1	Lump Sum		
11	Landfill Gas Flare And Blower Skid Package	Div. IV Section 11500	1	Lump Sum		
12	14” HDPE Bypass Manifold	Div. IV Section 02550 Drawing 6	1	Lump Sum		
13	Condensate Drain Line	Div. IV Section 02550 Drawing 7	1	Lump Sum		
14	Compressed Air Supply Line	Div. IV Section 02550 Drawings 5 & 7	1	Lump Sum		

Item	Description	Applicable Specification Section	Quantity	Units	Unit Price	Total Cost
15	Pipe Supports	Div. IV Section 05500 Drawing 6	10	EA		
16	300A Breaker	Div. IV Section 16050	1	Lump Sum		
17	3-Inch Electrical Conduit	Div. IV Sections 16050, 16123, 16130 Drawings 2 & E-1	1	Lump Sum		
18	Pull Electrical Conductors	Div. IV Sections 16050, 16123 Drawings 2 & E-1	900	LF		
19	Motor Control Center	Div. IV Section 16050	1	Lump Sum		
20	Conduit And Conductors	Div. IV Section 16050, 16123, 16130 Drawings E-1 & E-2	1	Lump Sum		
21	Chain Link Fencing	Div. IV Section 02830 Drawings 6 & 9	226	LF		
22	Crushed Rock	Drawing 7	1375	SF		
TOTAL BASE BID* (Blower Flare Station and Site Work)						

*Basis to determine apparent low bid.

Total Bid Price (Words): _____

SCHEDULE OF UNIT PRICES

The previous Unit Prices shall apply to Work covered by unit prices. By submitting a Bid, Bidder acknowledges that these unit prices shall remain fixed throughout performance of the Contract, regardless of any incremental cost differentials resulting from variances in any quantity estimates or increased or decreased economies of scale.

5. Subcontractors for work included in all Bid items are listed on the attached Document 00430 (Subcontractors List).
6. The undersigned Bidder understands that Owner reserves the right to reject this Bid.
7. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in paragraph 2 of this Document 00400 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00200 (Instructions to Bidders) within the times specified therein.

- 8. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.
- 9. The undersigned Bidder herewith encloses either a cashier's check, or certified check from a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do surety business in the State of California, in form specified in Document 00200 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to "County of Sonoma."
- 10. The undersigned Bidder agrees to commence Work under the Contract Documents on the date to be established in Document 00550 (Notice to Proceed) and to complete all work within the time specified in Document 00520 (Agreement). The undersigned Bidder acknowledges that Owner has reserved the right to delay or modify the commencement date after issuance of Document 00550 (Notice to Proceed). The undersigned Bidder further acknowledges that if the Contract is awarded to Bidder, but Document 00550 (Notice to Proceed) is not issued and the Contract is terminated within 60 Days of award, Owner shall not be responsible for any damages to Contractor. The undersigned Bidder further acknowledges Owner has reserved the right to perform independent work at the Site, the extent of such work may not be determined until after the opening of the Bids, and that the undersigned Bidder will be required to cooperate with such other work in accordance with the requirements of the Contract Documents.
- 11. The undersigned Bidder agrees that, in accordance with Document 00700 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00520 (Agreement) shall be as set forth in Document 00520 (Agreement).

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: _____
 licensed in accordance with an act for the registration of Contractors, and with
 license number: _____ Expiration: _____.

 Where incorporated, if applicable

 Principals

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

 Signature of Bidder

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address:

Contractor's Authorized Representative(s), (name, title):

Officers authorized to sign contracts:

Telephone Number(s):

Fax Number(s):

Date of Bid:

END OF DOCUMENT

REVISED DOCUMENT 00411

BIDDER'S BOND

We, _____ as PRINCIPAL and _____ as SURETY, are hereby held and firmly bound unto the County of Sonoma in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal of above named, submitted by said Principal to the County of Sonoma for work described below, for the payment of which sum in lawful money of the United States, well and truly to be made, to the County of Sonoma, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents. In no case shall the liability of the surety hereunder exceed the sum of \$ _____.

THE CONDITION OF THIS OBLIGATION IS SUCH

That whereas the Principal has submitted the above-mentioned bid to the County of Sonoma as aforesaid, for certain construction specifically described as follows, for which bids are to be opened at Santa Rosa, California, on May 28, 2008, for the Central Disposal Site Blower Flare Station Project.

NOW THEREFORE, if the aforesaid Principal is awarded a contract and, within the time and in the manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in accordance with the bid, and files two bonds with the County of Sonoma, one to guarantee faithful performance and other to guarantee payment for labor and materials, as required by law, then this obligation shall be null and void, otherwise it shall remain in full force and virtue.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, A.D. _____, in _____, California.

Principal

Surety

Address

(Evidence of execution by surety shall be provided by Notarial Acknowledgement of the same, in accordance with California Civil Code section 1189, as amended January 1, 2008.)

END OF DOCUMENT

