Environmental Consultants and Contractors

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# SCS FIELD SERVICES

January 4, 2018 File No. 07216047.00 Task 2

Mr. Curtis Larkin Department of Public Works and Planning Resources Division 2220 Tulare Street, 6<sup>th</sup> Floor Fresno, California 93721

Subject: Proposal for the 2018 Landfill Gas Collection System Maintenance Repairs at the

Southeast Regional Disposal Site, Fresno County, California

Dear Mr. Larkin:

SCS Field Services (SCS) is pleased to submit to the County of Fresno (County) the following Scope of Work, Compensation, and Assumptions and Conditions for the 2018 Landfill Gas (LFG) Collection and Control System (GCCS) maintenance repairs for the Southeast Regional Landfill Site in Fresno County, California. This work is needed as part of ongoing maintenance repairs to maintain proper operation and compliance with local and state regulations. This proposal has been prepared to enable replacement and/or repair to several age deteriorated or obsolete components.

# SCOPE OF WORK

The Scope of Work for the LFG System maintenance repairs will be completed in multiple phases as follows:

#### LFG FLARE STATION REPAIRS

The maintenance repairs identified by SCS during the system evaluation performed in March/April 2017 identified several components that should be replaced. This maintenance work can be completed by performing the following:

# 1. Mobilization/Demobilization

• In order to complete the maintenance repairs, SCS must complete the setup, delivery and safety requirements to perform the needed work. This portion of the work includes the purchase and delivery of all maintenance and repair materials, equipment and all other activities required such that the maintenance activities may begin immediately and be able to continue uninterrupted until completion of all activities. Included in the demobilization portion of this work is the cleanup of the job site and removal of any temporary facilities needed to maintain regulatory compliance and proper operation of the LFG facility.

#### 2. Flare Station Maintenance

SCS proposes to perform the following work to replace the existing obsolete controls and equipment with new digital electronics, new high density polyethylene inlet piping, variable frequency drive blowers and other ancillary equipment as shown below:

- Up to 100 feet of replacement 6- inch HDPE SDR 11 flare inlet piping and new pneumatic automatic shutdown control valve.
- Replacement flare pilot ignition system (John Zink Company will build a unit to replace the original McGill Ignition System which is no longer available)
- New Electronic Flow meter to replace existing malfunctioning mechanical meter
- New digital chart recorder for accurate monitoring data
- New variable frequency drive motor and sealed blower to replace existing age deteriorated blower
- Touch Screen controller and flare exit gas thermocouple to replace age deteriorated control switch panel to enable automatic start up and shutdown safeguards based on temperature to eliminate need for full time natural gas pilot.

Upon completion of this work, SCS will work with the County in preparing a set of LFG flare station As-Built Drawings indicating maintenance and repair work performed and schematic of replacement systems.

# COMPENSATION

SCS would be pleased to perform the scope of work in accordance with the following estimate:

SCS Maintenance and Repairs will be performed for a not to exceed amount of \$ 91,000.00. SCS will invoice this work in accordance with the following lump sum amounts shown below.

| 1. Yokogawa DX1000T Recorder                   |       | 1   | EA | \$6,000.00  | \$6,000  |
|--|-------|-----|----|-------------|----------|
| 2. Sage Instrument Integral Prime Meter        |       | 1   | EA | \$8,000.00  | \$8,000  |
| 3. MRW Ignition System                         |       | 1   | EA | \$22,500.00 | \$22,500 |
| 4. HDPE piping to flare inlet                  |       | 270 | LF | \$14.82     | \$4,000  |
| 5. FloMax Valve                                |       | 1   | EA | \$3,000.00  | \$3,000  |
| 6. Basic Controls RMC including new panel      |       | 1   | EA | \$25,000.00 | \$25,000 |
| 7. Blower, Rotron 400 CFM variable drive       |       | 1   | EA | \$20,000.00 | \$20,000 |
| 8. Recirculation line around blower, if needed |       | 1   | EA | \$2,500.00  | \$2,500  |
|  | TOTAL |     |    |             | \$91,000 |

# ASSUMPTIONS AND CONDITIONS

The Assumptions and Conditions for the Scope of Work are contained in Attachment A.

Should you have any questions regarding this proposal, please do not hesitate to contact either of the undersigned. We are committed to providing you the best service.

Very truly yours,

Arthur E. Jones Jr. Senior Project Manager

SCS FIELD SERVICES

Ámbrose McCready

Vice President

SCS ENGINEERS

# ATTACHMENT A ASSUMPTIONS AND CONDITIONS

#### ATTACHMENT A

# ASSUMPTIONS AND CONDITIONS FOR THE SOUTHEAST REGIONAL DISPOSAL SITE, FRESNO COUNTY, CALIFORNIA

# January 4, 2018

- This cost is valid for a period of 90 days from the date of this proposal.
- Prevailing wage non-union workers will be utilized as required by the Department of Industrial Relations with notifications to the apprentice councils as required. Requirement to use union labor can be offered with an adjustment in our price.
- Unrestricted site access for personnel, equipment, and materials must be provided to enable completion of the maintenance and repair work.
- Right-of-way easement, dewatering, or encountering conditions that differ materially from the contract documents or what is reasonably anticipated given the nature of the work (such as hard rock during trenching or drilling) has been excluded from our bid. These items can be included with an adjustment in our price.
- Work will be performed in OSHA Level D protection and in accordance with the SWANA Landfill Gas Management Division, "A Compilation of Landfill Gas Field Practices and Procedures", dated August 2011. Additional health and safety requirements will be addressed in our Site Specific Health and Safety Plan.
- Handling and disposal of any hazardous materials is excluded.
- SCS will haul trenching spoils/trash daily to the open face of the landfill for cover and compaction by others. Tipping fees or export of any materials off-site is excluded from our price.
- SCS will maintain the site in a clean manner. Control of blowing litter created by others is excluded.
- Bid, performance or payment bonds will not be required.
- Liquidated/delay damages will not be required.
- The prices detailed are not stand-alone; if items are to be installed separately, SCS reserves the right to modify its prices.
- All permits (environmental, labor, structural, electrical, etc.) will be provided by others.
- The work will require multiple mobilizations.

- Dust control is by others. SCS can provide this service with an adjustment in our price.
- The Owner is responsible for identifying all underground facilities including pipelines, conduits, ducts, cables, wires, manholes, vaults, utilities, tanks, tunnels, product lines, etc.
- The Owner is responsible for notifying contractor of any risks at the site and all environmental, safety and health procedures required by any applicable federal, state, and/or local law, regulations, and order.
- This proposal and Assumptions and Conditions shall become part of our existing Contract with the County.
- At no time shall the title of any hazardous substances, solid wastes, petroleum contaminated or other regulated substances pass to SCS, nor shall any provision of an ensuing Agreement between SCS and the County be interpreted to permit SCS to assume the status of "generator," "transporter," or "treatment, storage or disposal facility" under state or federal law.
- This proposal is considered confidential and proprietary and may not be disclosed to third parties without the prior written approval of SCS.
- Topographic and boundary surveys are excluded. We assume the County will provide a current site plan showing existing topography and key site features (hard-line and AutoCAD format).
- Engineering and construction services exclude modifications to the blower/flare and control systems.