

MEMORANDUM

To: SFSWMA Joint Powers Board
From: Randall Kippenbrock, P.E., Executive Director 
Date: November 15, 2024
Subject: Request for Approval of Amendment No. 3 to the Professional Services Agreement with SCS Engineers of Bedford, TX, for Air Quality Permitting and Compliance Reporting and Engineering and Operation and Maintenance Services for the Caja del Rio Landfill Gas Collection System (RFP No. 22/16/P)

SUMMARY

The Agency is requesting the Board approve Amendment No. 3 (Amendment) to the Professional Services Agreement (Agreement) with SCS Engineers for the continuation of Tasks 1, 2, and 3 – Engineering, Operation and Maintenance Services of the Caja del Rio Landfill gas collection system, Task 6 – Gas System Expansion Design, Task 7 – Bid Support Services for the Gas System Expansion and add Task 8 – Gas System CQA.

The Amendment will extend the term of the Agreement through November 18, 2025, for the fourth year of the Agreement. Per Article 5, the Agreement can be renewed annually upon Board approval, not to exceed four years.

The Amendment will increase compensation by \$124,602 for a total amount not to exceed \$473,868.86. Funding is available from 8100851.510250 (Compliance Contracts).

BACKGROUND

Amendment No. 3 allows SCS Engineers to continue providing compliance services, including the landfill's annual emissions inventory, federal greenhouse gas emissions reporting, Title V Permit reporting, and New Source Performance Standards filings. SCS Engineers will also continue providing operation, maintenance, and monitoring services (both routine and non-routine) for the landfill gas collection system. Non-routine work is the repair or replacement of equipment that can be scheduled, such as repairing broken wellheads and rebuilding equipment components. Non-routine emergency services require an immediate response and the restart of the gas collection system.

SCS Engineers will prepare plans and specifications to expand the landfill gas collection system into Cell 6B as required by the NSPA/NESHAPS rules (Task 6). SCS Engineers will also prepare a detailed estimate of the probable construction cost.

SCS Engineers will provide bid support services (Task 7) and construction quality assurance (CQA) services (Task 8) for the landfill gas system expansion in Cell 6B.

On September 16, 2021, the Agency issued Request for Proposal (RFP) No. 22/16/P for engineering, operation and maintenance services for the Caja del Rio Landfill (Landfill) gas collection system. On November 18, 2021, the Board approved awarding the Agreement to SCS Engineers for \$160,670.

On November 17, 2022, the Board approved Amendment No. 1 to the Agreement with SCS Engineers. The Amendment extended the term to November 18, 2023, and increased the compensation by \$179,148, for a total amount not to exceed \$339,818.

On November 16, 2023, the Board approved Amendment No. 2 to extend the term to November 18, 2024, and increase the compensation by \$9,448.86 for a total amount not to exceed \$349,266.86.

ACTION REQUESTED

The Agency requests the Board approve Amendment No. 3 to the Agreement with SCS Engineers for engineering services and operation and maintenance (O&M) of the landfill gas collection system, for air compliance services, and for engineering design and CQA services for the landfill gas collection system expansion into Cell 6B.

The Agency also requests approval to extend the term of the Agreement through November 18, 2025, and to increase compensation by \$124,602 for a total amount not to exceed \$473,868.86.

Attachments:

- 1) Amendment No. 3 – Professional Services Agreement
- 2) Amendment No. 2 – Professional Services Agreement
- 3) Amendment No. 1 – Professional Services Agreement
- 4) Professional Services Agreement with SCS Engineers

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ATTACHMENT 1

Amendment No. 3 – Professional Services Agreement

SANTA FE SOLID WASTE MANAGEMENT AGENCY
AMENDMENT No. 3
PROFESSIONAL SERVICES AGREEMENT
SCS ENGINEERS
(Air Quality Permitting and Compliance Reporting Services and Engineering and
Operation and Maintenance Services for the Landfill Gas Collection System – 2021)

This AMENDMENT No. 3 (the “Amendment”) to the PROFESSIONAL SERVICES AGREEMENT, dated November 18, 2021 (the “Agreement”), is made and entered between the Santa Fe Solid Waste Management Agency (“Agency”) and SCS Engineers (“Contractor”). The Amendment shall be effective as of the date this Amendment is executed by the Agency.

RECITALS

Under the terms of the Agreement, Contractor has agreed to provide engineering, operation, and maintenance services for the landfill gas collection system at the Caja del Rio Landfill (RFP No. 22/16/P).

Pursuant to Article 22, Amendment of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are acknowledged by the parties, the Agency and Contractor agree as follows:

1. SCOPE OF SERVICES

Article 1, Scope of Services of the Agreement is hereby amended to include the continuation of Tasks 1, 2 and 3 – Engineering, Operation and Maintenance Services for calendar year 2025, Task 6 – Gas System Expansion Design, Task 7 – Bid Support Services for the Gas System Expansion and add Task 8 – Gas System CQA as described in the Scope of Services attached hereto as Exhibit A.

2. COMPENSATION

Article 3, Compensation of the Agreement is hereby amended to increase the amount of compensation by a total of One Hundred Twenty-Four Thousand Six Hundred Two Dollars and

No Cents (\$124,602.00) so that Article 3 reads in its entirety as follows:

A. The Agency shall pay to Contractor in full payment for services rendered, a sum not to exceed Four Hundred Seventy-Three Thousand Eight Hundred Sixty-Eight Dollars and Eighty-Six Cents (\$473,868.86), including applicable gross receipts taxes pursuant to the rates and fee schedule as contained in Exhibits B and C attached hereto.

DESCRIPTION	AMOUNT
ORIGINAL CONTRACT	\$160,670.00
AMENDMENT NO. 1	\$179,148.00
AMENDMENT NO. 2	\$9,448.86
AMENDMENT NO. 3	\$124,602.00
CONTRACT TO DATE	\$473,868.86

B. Contractor shall be responsible for payment of gross receipts taxes due to the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of reasonably detailed invoices describing the services performed. Compensation shall be paid only for services performed in accordance with the fee schedule set forth in the Scope of Services hereto attached in Exhibit A.

D. Detailed invoices containing reimbursement expenses shall be itemized

3. TERM AND EFFECTIVE DATE

Article 4, Term and Effective Date of the Agreement is amended to extend the term of the Agreement, so that Article 4 reads in its entirety as follows:

A. This Agreement shall be effective when signed by the Agency and terminate on November 18, 2025, unless it is terminated sooner pursuant to Article 6 of this Agreement.

B. Pursuant to the limitations on multi-term contracts for services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, this Agreement can be renewed annually, if agreed upon by the Agency and Contractor.

4. **AGREEMENT IN FULL FORCE**

Except as specifically provided in this Amendment, the Agreement remains and shall remain in full force and effect, in accordance with its terms.

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IN WITNESS WHEREOF, the parties have executed this Amendment No. 3 as of the dates set forth below.

SANTA FE SOLID WASTE MANAGEMENT AGENCY:

Camilla Bustamante
Chair, Joint Powers Board

Date:

ATTEST:

Katharine E. Clark
Santa Fe County Clerk

CONTRACTOR:

Ryan Kuntz, P.E.
Vice President/Satellite Office Manager
SCS Engineers

Date

APPROVED AS TO FORM:

Nancy R. Long
Agency Attorney

Date:

EXHIBIT A

Scope of Services

EXHIBIT A – PROJECT DESCRIPTION AND SCOPE OF WORK AIR QUALITY PERMITTING AND COMPLIANCE REPORTING SERVICES, ENGINEERING, AND OPERATION AND MAINTENANCE SERVICES FOR THE LANDFILL GAS COLLECTION SYSTEM AT THE CAJA DEL RIO LANDFILL

Project Description

This scope of services is to provide SFSWMA the following: Air Quality Permitting and Compliance Reporting Services, Engineering Services, and Operation and Maintenance Services for the Landfill Gas Collection System at the Caja Del Rio Landfill as set forth in the Request for Proposal (RFP #’22/16/P). This grouping of services consists of compliance-related services encompassing the landfill’s annual emissions inventory and other air-related work including Federal greenhouse gas (GHG) emissions reporting; Title V Permit reporting; New Source Performance Standards (NSPS) reporting; and National Emission Standards for Hazardous Air Pollutants (NESHAPS) reporting. It also includes operation and maintenance services (both routine and non-routine) for the gas collection and control system (GCCS). This scope also includes the services to assist with the next gas system expansion.

SCS proposes to organize our work for 2025 services into the following tasks:

- Task 1 – Air-Related Reporting;
- Task 2 – Engineering On-Call Services;
- Task 3 – GCCS O&M Routine and Non-Routine Services;
- Task 6 – Gas System Expansion Design;
- Task 7 – Bid Support Services (Gas System Expansion); and
- Task 8 – Gas System CQA.

Tasks 1 and 3 are updated with new budgets annually since these are ongoing, routine tasks. Task 2 is included for non-routine, unanticipated tasks that come up each year. Task 3 is included for GCCS O&M Routine and Non-Routine Services. Task 6 is related to the gas system expansion design. Per recent discussions with SFSWMA, Tasks 7 and 8 are included for the Bid Support Services for the gas system expansion, although may not be utilized in this scope for 2025 services.

The following item is a future task anticipated to be needed through the contract period, but not likely to be needed until 2026. As such, these will be fully priced and authorized in future amendments to this agreement:

- Task 9 – Title V Permit Renewal.

SCOPE OF WORK

Task 1 – Air-Related Reporting

NSPS, NESHAPs, and Title V Reporting

Task 1 includes services between December 2024 and November 2025 related to required New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Title V reporting. It should be noted that the term “NSPS” in this task specifically refers to the requirements in 40 CFR 60, Subpart XXX. The term “NESHAPS” in this task specifically refers to the requirements in 40 CFR 63, Subpart AAAA. These NSPS and NESHAPS reports, although requiring much of the same information, will be submitted in separate reports but concurrently. Reports will be submitted to NMED in April 2024 and in October 2024 for a total of five reports.

Under 40 CFR 60, Subpart XXX, liquids reporting is required annually under 40 CFR 60. §767(k) for any landfill that recirculates leachate or has within the last 10 years, or adds liquids to the landfill through a Research, Development, and Demonstration (RD&D) Permit. We understand SFSWMA recirculated liquids within the landfill waste mass and will require liquids reporting to NMED. As such, this task covers preparation and submittal of this report by no later than September 27, 2025.

The Title V reports document the facility's compliance with air-related regulatory and permit requirements contained in the Title V permit. Title V reporting requires reporting of any compliance deviations semi-annually and certification of overall compliance with all air-related requirements in the Title V permit annually. For this Task, SCS will prepare the required Title V reports with supporting documents and reporting from Agency staff. For budgeting purposes, consistent with our approach in prior years, we have assumed that SFSWMA will provide any necessary information for SCS' use in preparing these reports. These reports will be submitted to NMED and EPA (Title V Annual Compliance Certification only) in April 2025 and in October 2025.

NSPS reporting requires documentation of the following per 40 CFR §60.767(f):

- All GCCS wellfield exceedances;
- A summary of quarterly surface scans;
- Documentation of any gas system expansions conducted during the reporting period;
- A summary of gas system downtime in excess of five days; and
- Any flare free-venting in excess of one hour.

As part of this work, SCS will keep track of each reporting period, and 30 days before the report is due, gather all required information from SFSWMA and SCS Field Services. SCS will then use this information to prepare the NSPS and NESHAPS report drafts for SFSWMA review. Upon approval, at SFSWMA's preference, SCS will upload these reports to NMED's Secure Extranet Portal (SEP) and EPA (via CEDRI) for SFSWMA to certify and submit.

Deliverables: Inclusive of seven (6) reports described above (2 NSPS/NESHAPS, 1 Liquids, 2 Title V Semi-Annual, and 1 Title V Annual Reports). An electronic draft of each report will be provided to SFSWMA for review (a hard copy can be provided upon request). One final copy of each report will be provided for SFSWMA's records in addition to the appropriate copies for the Air Quality Bureau (aqb). In addition, all deliverables will be provided electronically in PDF format.

Prepare New Mexico Emissions Inventory Reporting

SCS will prepare the calendar year 2025 emissions inventory for the Caja del Rio Landfill and the Buckman Road Recycling and Transfer Station (BuRRT). Like last year, these inventories, which will be filed online, are scheduled to be submitted by April 1, 2025. In preparation for this task, SCS will prepare a list of needed information for each facility. These lists will include everything SCS needs to calculate 2024 emissions, such as 2024 incoming waste quantities and specifics regarding equipment usage. Once this information has been obtained, SCS will prepare emissions estimation spreadsheets. Per prior guidance from the AQB, GHG calculations will not be required for the landfill since Federal reporting is prepared. However, SCS can compile and submit GHG emissions to AQB for the landfill, if needed. If separate GHG calculations are required for BuRRT, Task 2 will be utilized.

To report these emissions, SCS will utilize the online format required by AQB, referred to as the Air Emissions Inventory Reporting (AEIR) tool. Following completion by SCS, we will work with SFSWMA to check and finalize the submittals to AQB as the certifier. PDFs of the emissions spreadsheets will be provided to SFSWMA and AQB, consistent with what has been done in the previous years.

This task will also include any assistance with fee forms sent to SFSWMA from AQB. Please note, however, that emissions fees themselves are not included in this proposal.

Deliverables: *PDF file of the emissions calculations. The reporting is electronic; however, SCS will also prepare sealed memorandum hard copies for SFSWMA files.*

Federal Greenhouse Gas (GHG) Emissions Reporting Services

This portion of Task 1 will address requirements regarding the Federal mandatory GHG reporting rules for calendar year 2024 GHG emissions and encompass the reporting event that is due to EPA by March 31, 2025. The proposed scope for this task includes the preparation and submittal of the required GHG emissions estimates and associated information required by the GHG reporting rule. As was completed this past March, online reporting will be used to file information related to the GHG reporting rule. It should be noted that this reporting is different from State of New Mexico emissions reporting requirements (although for GHG emissions, as of 2024, AQB accepts what is prepared for EPA).

The first step in the GHG calculation process will be to collect all required data from calendar year 2024 including waste intake values, and GCCS landfill gas flows and methane content. We typically obtain much of this data throughout the year. SCS will collect this data from SFSWMA and SCS Field Services to complete the required data set. Utilizing equations provided in the EPA rule, SCS will convert the required information that has been gathered into the required GHG emissions.

SCS will place the collected data as well as all calculations into a suitable format for SFSWMA's files prior to entering the information into the EPA-required reporting format. SCS will enter the landfill's data into an XML programming tool for uploading into EPA's e-GGRT system. Upon completion of the XML tool, SCS will work with the SFSWMA's Designated Representative to review and certify the data to EPA. SCS will also be available to assist in providing additional information that EPA might require. When the reporting has been completed, SCS will provide a memorandum including pertinent assumptions and a copy of the EPA printouts verifying that the reporting was completed.

Deliverables: *The reporting is electronic; however, as noted in this scope, SCS will prepare a memorandum with EPA printout verification attached. Up to two hard copies of this memorandum will be provided to SFSWMA along with a PDF copy.*

Task 2 – Engineering On-Call Services

Since other related engineering services may also be needed, this task is recommended and included. Services in this task, which would only be authorized on an as-needed basis by SFSWMA, may include general support items that might come up during the contract period. Examples of these types of services could be the following:

- Light field construction work or engineering design generally associated the gas system or emissions control, including the gas system; leachate/condensate management; Title V air permit-related items, or cover repairs for emissions control;
- Support as needed for any new air or emissions-related rules, inspections, or requirements from NMED or EPA;
- Support needed from the Agency to evaluate landfill gas-to-energy if requested or to help as needed with the development of any such opportunity; and
- Any air-related or greenhouse gas-related (carbon credit) work that might be associated with the Agency or its facilities.

***Deliverables:** Although the items to be covered under this task are associated with on-call services are to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.*

Task 3 – O&M Routine and Non-Routine Services

Routine Services – Once a Month Basis

The wellfield be will monitored monthly per NSPS/NESHAPS requirements. During the past year, SCS has performed regular monthly monitoring of the 29 extraction wells currently in operation. Although this task will mention 29 monitoring points, during 2025, additional monitoring will be added once the jumper line is completed to the Cell 6A/6B cleanout riser. When additional vertical wells are installed as part of Task 8, these wells will also be monitored, although non-routine budget may be used for this additional monitoring, if needed). The need for twice-a-month reading of these wells has not been necessary to date in 2023, as wells have been maintained within required operating parameters. However, we suggest that the option to perform twice-a-month monitoring (initial monitoring and possibly monthly rechecks/adjustments) remain in the 2025 scope of work for availability if needed. Initial and second monthly readings (15-day rechecks) are shown as two different line items in the fee estimate. Although not expected, SCS might recommend twice-a-month readings outside of NSPS/NESHAPS-related issues if the wellfield readings indicate that this level of monitoring and tuning is necessary due to such factors as: repeated exceedances, under-pull of the wellfield; temperature and pressure variations over the month; or other circumstances that warrant twice-a-month readings.

During the monthly visits, typical routine services for the wellfield will involve:

- Monitoring and adjusting the 29 extraction wells so that they meet NSPS/NESHAPS parameter requirements for temperature and pressure.
- Obtaining landfill concentrations of methane, oxygen, carbon dioxide, and balance gas at each extraction well, in addition to individual extraction well temperatures and pressures.
- Assuring that extraction wells are functioning properly and/or without damage; inspections will also ensure that there are no broken hoses, pipes, thermometers, sample ports, loose connections, air leaks, and/or condensate build-up in the wellheads or well sample ports.
- Performing inspections of condensate sumps to determine if they are functioning properly and are in good condition.

A Landtec GEM 5000 will be used to obtain LFG concentrations, extraction well temperatures, static pressure, well flow rates, and system pressure. Obtaining these parameters will ensure proper wellfield adjustments, in addition to compliance with NSPS/NESHAPS guidelines. Initial readings and adjusted readings for each well and the blower/flare station will be stored in the GEM 5000 for future upload to SCS eTools; SCS' online electronic data management tool. SFSWMA staff will be able to access this database. Since SCS eTools is an SCS' proprietary application, the use of SCS eTools will be provided subject to SCS Standard Technology Services Agreement terms, as attached in Exhibit D.

If extraction wells do not adhere to NSPS/NESHAPS parameters (less than 145 °F and less than 0 pressure), adjustments to the wells will immediately be implemented to bring those wells back into compliance. Adjustments to the wells will also ensure compliance with the NSPS/NESHAPS requirements stipulating that some corrective action is made on non-compliant wells within 5 days of an exceedance(s). If non-compliant wells can immediately be corrected to meet NSPS/NESHAPS parameter(s), a 15-day recheck reading will not be required; however, if corrective action does not immediately correct the exceedances(s), SCS will re-monitor the wells within 15 days of the initial non-compliant reading. SCS will record at the blower/flare station all pertinent performance parameters such as:

- Flare temperature prior to and after wellfield adjustments have been made;
- LFG concentrations of methane, carbon dioxide, oxygen, and balance gas prior to and after wellfield adjustments have been made;
- Vacuum pressures and discharge pressure of the blower;
- Blower hours and vibration;
- Arrestor and knockout port differential pressures;
- Flare flow prior to and after wellfield adjustments have been made;
- Blower operating the GCCS at the time of the visit; and
- Other pertinent data required to maintain good operating conditions for the blower/flare station, and as required by the manufacturer.

SCS will monitor and inspect the blower, flare, and associated equipment. The inspections will involve, but not be limited to, the following items:

- Any damage, leaks, or breaks in piping;
- Unusual noise/vibrations/functions; and
- Irregular readings of output equipment and/or electrical equipment.

Maintenance services for the flare, blower, and associated equipment as recommended by the manufacturer of the flare - John Zink Maintenance for the blower/flare station will include, but not be limited to:

- Lubrication of the blower's (quarterly basis or sooner) motors as required by manufacturer;
- Periodic switching of the blowers (monthly basis);
- Draining condensate/fluids from the blower, flame arrestor, and other areas as noted by the John Zink O&M Manual (monthly basis unless specified by manufacturer otherwise);
- Checking that the continuous Yokogawa recorder is functioning properly (monthly basis);
- Recording propane tank levels and advising landfill staff of levels (monthly basis);
- Proper functioning of the Variable Frequency Drive (monthly basis);
- Proper functioning of the control panel and electronics (monthly basis);

- Other maintenance items as required by the John Zink O&M Manual for blower/flare station (time interval varies by equipment and manufacturer);
- Isolation and wellhead valves will be rotated fully to open and closed positions, to ensure valves are not "stuck in place" (quarterly basis);
- Flame arrestor cleaning (typically annually or an increase in differential pressure occurs);
- Thermocouple testing (as required by manufacturer) and cleaning, as required;
- Ultraviolet scanners inspection (quarterly or as required by manufacturer) and cleaning, as necessary;
- Igniter's inspection (as required by manufacturer) and cleaning, as required; and
- Electrical/pneumatic inspection where needed.

In addition to routine maintenance, SCS will be responsible for providing necessary labor, equipment, and tools to repair and/or replace defective equipment as needed. Prior to replacement or repair of the equipment, SCS will advise SFSWMA of problems and discuss, requesting advice from the manufacturer regarding warranties on the equipment in question.

All maintenance, calibrations, and repairs performed by field staff will be recorded in a field log book for reference. The field log book will be kept in the GCCS control panel. Data from the continuous recorder, which records flow, temperature, and pressure, will be downloaded into electronic files submitted to SFSWMA and their designated agents. All collected data collected from the wellfield, blower/flare station, continuous GHG monitor, and any noted problem areas along with recommendations will be submitted to SFSWMA within 48 hours of data collection. A monthly report detailing the past month's activities, all collected data, and recommendations on problem areas/equipment will be submitted by the last day of the following month. All data required to adhere to the work practice standards (NESHAPS requirement) that occurred during the month will be noted on appropriate forms, and will be included in the monthly report submitted to SFSWMA.

SCS' approach to providing routine services is to collect data pertaining to the blower/flare station prior to making wellfield adjustments. This allows field staff to determine if the blower/flare station is functioning properly, and to identify problems that may be occurring in the wellfield. We feel that this approach is advantageous because, if the blower/flare station is not operating properly, the wellfield will not be "performing" as usual and adjustments to wells will be difficult to make and/or many wells could also have NSPS/NESHAPS compliance issues. One example involves higher than normal vacuum. Wells would be "over-pulled" because of this higher vacuum. If this condition ("overpulling") is not immediately identified and investigated, change to the health of the collection system could be degraded and potentially more serious conditions may develop such as oxygen infiltration into the waste mass which could result in Sub-Surface Oxidation Events (SSOs). The disadvantage of this approach is there could be more time spent at the site if there are no problems at the blower/flare station, but this time would be offset if there were problems, and they were not taken care of prior to wellfield adjustments.

After the blower/flare station is inspected and required data are obtained, the field technician will read the wellfield and adjust as necessary to each wellhead. As the technician obtains readings at each wellhead, they will inspect the well for leaks, damage, condensate, and other possible problems. Moving from well to well, the technician will also inspect and note the condition of the three condensate sumps and any exposed piping.

Once the wellfield is read, the technician will then return to the blower/flare station and record the necessary final data such as methane, oxygen, carbon dioxide, balance gas, inlet temperature, static pressure, flare temperature, and flow based on the completed wellfield readings. These parameters allow the technician to determine whether adjustments increased the efficiency of the system, and

whether the system continues to operate efficiently.

Once the technician completes wellfield adjustments and collects all data from the blower/flare station, they will then perform maintenance for the month or quarter that is required for specific equipment. On a monthly basis, the technician will switch blowers so that each blower receives equal duty time. Any needed repairs can also be performed at this point, if they are not completed prior to monitoring and adjustment of the wellfield.

Surface Emissions Monitoring

SCS will perform Surface Emissions Monitoring (SEM) using a Landtec SEM5000 Portable Methane Detector, including around penetrations as defined in 40 CFR 60, Subpart XXX and 40 CFR 63, Subpart AAAA. The technician will walk the entire area of the landfill that is subject to NSPS/NESHAPS regulations (basically, where landfill materials are 5 years in age - in the area where extraction wells are located) at 30-meter spacing in a grid pattern. The SEM5000 would be calibrated prior to monitoring. Any areas where methane is detected at concentrations over 500 ppm will be immediately flagged, numbered, and marked on a site map. After the technician has finished walking the area, he will immediately contact SFSWMA staff to indicate where high concentrations of methane are located. The technician will assist SFSWMA staff in remediating these areas so that emissions are less than 500 ppm. Remediation is usually accomplished by placing more cover materials over the surface, and/or by increasing vacuum at nearby extraction well(s).

Where surface emissions have exceeded 500 ppm, the area will need to be re-evaluated within 10 days (usually performed the same day of the exceedance) and again in 30 days. SCS would perform this service during the monthly wellfield tuning/adjustment events. After the 30-day re-checks and concentrations below 500 ppm have been obtained, SCS will provide all the collected data in the corresponding monthly report that details the findings of the surface emissions monitoring event. The report will contain all pertinent data derived from monitoring, along with associated site plans and the locations of any exceedances.

***Deliverables:** Hard copy O&M reports will be provided to SFSWMA monthly GCCS and SEM monitoring reports will be provided quarterly.*

Cell 1-3 Well Extensions

An allotment budget is included in this task to allow for the extension of the wells in Cells 1-3 in advance of additional filling in these cells. This allotment will accommodate all materials and construction needed to complete this work.

Jumper Line to Cell 6A/6B Cleanout

An allotment budget is also being provided to connect the cleanout riser for Cells 6A/6B to the gas system by March 2025. This is necessary because Cell 6 becomes subject to NSPS control requirements in March 2025. By connecting the cleanout riser to the gas system, gas can be pulled from this cell to meet this regulatory requirement while the cell is brought to grade for the full gas system expansion included in Tasks 6-8. The fee will include the piping, wellhead, and fieldwork needed to complete this construction.

Non-Routine Services

Non-routine work will consist of repair and/or replacement of equipment that can be scheduled in advance and does not consist of emergency services. Non-routine work can range from minor repairs, such as broken wellheads, to complete overhaul of equipment components. In an example of a broken wellhead, SFSWMA staff can disconnect the well from the GCCS system by capping the broken ends. The GCCS will continue to operate with the remainder of the wells online. SCS can schedule repair of the well during our next trip to the site, or we can arrange with SFSWMA to visit the site sooner. Either arrangement would allow SCS to schedule repairs and obtain necessary materials/equipment to fix the broken wellhead within an agreed time interval.

In addition, non-routine work may also consist of recommendations made by SCS concerning the efficiency of the collection system. These special assignments will be authorized and prioritized by SFSWMA before any work is performed.

We understand that well extensions may be needed during the contract period in Cells 1 through 3. As such, we have increased our budget for this task for this contract period to accommodate this specially.

Once SFSWMA has identified a repair or special assignment that it desires SCS to perform, SCS will provide SFSWMA with a schedule and associated fees to complete the assignment within a time frame that is mutually agreeable to SFSWMA and SCS. No work will be performed until SFSWMA has authorized the work. Once authorization has been received via written communication (email is acceptable), SCS will obtain all necessary equipment, tools, and materials needed to complete the task. SCS recommends that these non-routine events occur during normal routine visits to the site (i.e. during wellfield tuning events). The obvious advantage of this approach is cost savings. A disadvantage would be the GCCS not operational for a longer period, if the non-routine service involved a major operational component. SCS will make recommendations to SFSWMA on the severity of the problem and discuss timing factors to decide on how to handle a major non-routine service.

Repair/replacement of any HDPE pipe will most likely be with an SCS field technician. SFSWMA will be provided with a scope of work and cost estimate information, prior to repair of the HDPE, to obtain SFSWMA approval for the proposed work. Once notice to proceed has been obtained from SFSWMA, the repair work will be scheduled. SCS will also schedule the repair work during a routine visit to the site, if possible, to keep costs to a minimum.

Unscheduled Non-routine Emergency Services

SCS can provide unscheduled non-routine emergency services when conditions require immediate response and the restoration of GCCS operations. These are services that can be minor or major in nature and require restart of the GCCS. The urgent nature of these items is such that response to them cannot be scheduled during routine or non-routine services. Within a few hours after an alert from SFSWMA staff and/or the GCCS auto dialer, SCS staff can respond to these emergencies 7 days a week.

During an emergency event, the Field Services Project Manager and/or other SCS staff can assess problems and provide immediate assistance. If a problem is major, SCS will contact SFSWMA, describe the event, and make recommendations to remedy the situation. During these types of emergencies, SCS will only perform work required at the time, to ensure no safety hazards exist and/or to provide for the restart of the GCCS. Once these hazards have been resolved and the GCCS is operational again, we will provide repairs based on routine or non-routine scheduled service procedures.

Task 6 – Gas System Expansion Design

Waste in future cells not covered by the current landfill gas collection and control system (GCCS) will have been in place in excess of 5 years during the contract period. Per the current federal NSPS/NESHAPS Rules for landfills, gas collection from Cell 6B will be required by March 2025. For this task, SCS will prepare bid-level plans and specifications for the expansion of the GCCS into Cell 6B as required by the NSPS/NESHAPS rules. This design will conform to the GCCS Design Plan and the layout prepared as described in the Master Plan Document. The construction plans will be comprehensive and include, at a minimum, the following plan sheets:

- Cover Sheet;
- Existing Conditions;
- LFG Collection System Layout Plan;
- Extraction Well Details, including Well Schedule;
- Pipe and Valve Details;
- Condensate Management Details; and
- Survey Control.

It is assumed that the most recent survey of the landfill at the time of performing this task will be sufficient for development of the construction plans. However, should updates to the survey be necessary, we will advise SFSWMA of the area requiring an updated survey for design purposes. Additionally, our specifications will require a pre-construction survey at the well locations to confirm well depths, and based on this pre-construction survey, well depths will be adjusted accordingly by SCS' engineer. Necessary pre-construction surveys will be performed under Task 8.

SCS will prepare bid documents and specifications for this construction project. Bid items will be clearly identified. Consistent with prior bid documents prepared by SCS, we have assumed that "front-end" bid documents and standards will be provided to SCS for inclusion into the bid documents and specifications, including but not limited to, invitation to bid, instructions to bidders, bid proposal forms, bond forms, general and supplemental conditions, and other necessary standard forms for bidding purposes. In addition to SCS' standard specifications for "General Requirements," (i.e., measurement and payment, health and safety, meetings, environmental protection, submittals, etc.), it is anticipated that the following technical specifications will be prepared for this project:

- Layout of work and surveying;
- Excavation, trenching, backfilling, and grading;
- LFG extraction wells and wellheads (including well drilling, bentonite, and aggregate backfill);
- High density polyethylene pipe, fittings, and valves (including materials, installation, and testing); and
- Condensate management system (includes pump and sump, if required).

During the preparation of technical specifications, SCS will review all local permits that may be necessary so that those requirements may be incorporated into the construction documents. During this effort, SCS will also consider the required timeframes for any of these authorizations and emphasize any of these items that may become a critical path item during construction.

SCS will also prepare a detailed estimate of the probable cost of construction. SCS will perform the necessary quantity take-offs for line items included in the scope of work for the project. Line items for this project will include such items as: mobilization/demobilization, surveying, well installation, piping installation, perimeter header, and condensate sump installation (if required). The engineer's estimate

of probable cost of construction will be supported by quantity estimates for each line item.

Deliverables: *Electronic copies will be provided of all bid documents, construction plans and specifications, engineer's estimate, and construction documents for SFSWMA files along with printouts (up to 6 hard copies of the construction documents). All deliverables will be provided electronically via PDF.*

Task 7 – Bidding Support Services

This task will include bidding support to SFSWMA during the bidding-phase of the GCCS expansion construction project. Services to be provided shall include the following:

- Attendance by SCS at a pre-bid conference for the project.
- Technical support to SFSWMA procurement to respond to written comments and questions from bidders.
- Addenda will be issued, if necessary, to all plan holders.
- Review of contractor qualifications, as necessary, to verify pre-qualification requirements in bid documents.
- Review and compilation of bids, and submittal of award recommendation to SFSWMA.

This task will also include fees for air travel expenses, hotel, and rental car for attendance at the pre-bid conference.

Deliverables: *Meeting minutes from the pre-bid conference, any written responses to bidder questions, addenda (if necessary), an engineer's memorandum with comments and a recommendation regarding the bidder's qualifications (if necessary), and an engineer's memorandum with comments and award recommendation. All deliverables will also be provided electronically in MS-Word and AutoCAD, as necessary.*

Task 8 – Gas System CQA

This task will cover construction quality assurance (CQA) services the Agency will need for the GCCS expansion construction during the contract term. It is understood that the duration and level of CQA Services will be directly proportional to the construction schedule and the role that SCS is responsible for during construction.

Pre-Construction Topographical and LFG Extraction Wells Survey

The specific survey services to be provided will be as follows:

- SCS will provide a pre-construction topographical survey of GCCS expansion area, if necessary, to confirm landfill gas (LFG) extraction well and piping locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm topographic grades of the landfill for the GCCS expansion.
- The pre-construction topographical survey will be reviewed by SCS and the construction plans modified as necessary to accommodate existing grades prior to construction.
- SCS will provide a pre-construction survey of the proposed landfill gas (LFG) extraction well locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm ground surface elevations of the LFG extraction wells.

- This pre-construction survey of the proposed LFG extraction wells will be reviewed and approved by the Certifying Engineer who is a Professional Engineer registered in the State of New Mexico. The surface elevations obtained for the well locations will be used to develop the issued-for-construction well schedule for the project.

For these pre-construction survey services, we have included an allowance budget of \$11,500 in our fee estimate, which will be performed on a time-and-material basis consistent with our fee schedule.

Deliverables: Electronic copies will be provided of the modified construction plans (if necessary) and issued-for-construction well schedule for SFSWMA files along with printouts (up to 3 hard copies of the revised construction plans). All deliverables will be provided electronically via PDF.

Field CQA Services for LFG Extraction Well and Piping Installation

This portion of the work will include the field CQA services required during the LFG extraction system expansion. SCS will provide a qualified CQA technician to be onsite during LFG extraction well and piping installation.

The specific services to be provided during LFG extraction well installation are as follows:

- SCS' inspector will be on-site daily during well drilling and installation to log the wells and note any proposed relocation due to obstructions, liquid levels, etc.
- SCS' Inspector will document construction activities through field notes and/or photographs and significant events (including weather delays) daily. Significant changes in quantity and time will be recorded.
- SCS' Inspector will prepare extraction well boring logs and installation records, which will be included in the construction documentation report.

The specific services to be provided during LFG piping installation are as follows:

- An SCS Inspector will be on-site daily during installation and testing of LFG collection and condensate management piping.
- Observe the installation of lateral/header piping and condensate management system components, including condensate sumps, piping, and valves.
- Documentation and observation for conformance with the construction plans and specifications:
- Review, observe, and document pneumatic pipe pressure testing.
- SCS' inspector will provide record location and elevation surveys of installed components and verify proper slopes and depths of piping prior to burial, as necessary, consistent with the construction plans and specifications. This work will be completed with GPS survey equipment. The survey equipment and inspector will be capable of inverting slopes in the field to provide immediate verification of pipe slopes to the Contractor. The survey equipment will be available for use on-site at all times that construction activities are ongoing.
- Conduct walk-through of the project at substantial completion and provide a punch-list for completion.

SCS assumes that this work will require daily observation for a total of up to 45 working days (approximately 55 calendar days). As such, the above services will require SCS' Inspector (i.e., CQA Technician) to be on-site for 10 hours/day, Monday through Saturday over the construction duration. This task also includes fees for expenses such as, CQA field vehicle, meals at per diem, lodging, and survey equipment.

Project Management During LFG Collection System Expansion

This task also includes overall project management and oversight by a Professional Engineer registered in the State of New Mexico during the entire project, including extraction well, collection piping, and condensate management system installation. The specific services to be provided will be as follows:

- Reviewing Contractor's applications for payment.
- Reviewing Contractor's layout of work survey and confirming enough slope is available for piping/making adjustments as needed.
- Reviewing and processing Contractor's submittals.
- Coordinate interpretations of construction plans and specifications and respond to request-for-information.
- Telephone calls among the SCS project manager, the Contractor, and SCS' on-site inspector to answer questions and resolve issues.
- Evaluating Contractor's change order proposals (if any).
- Maintain files for correspondence, reports, photographs, requests-for-information or clarifications, and other construction project related documentation.
- Document construction activities and significant events (including weather delays) daily. Significant changes in quantity, time, or cost will be recorded.
- Conformance testing of well aggregate, including gradation (ASTM C136) and percent calcium carbonate (JTL-S-105-89) consistent with the technical specifications.
- Certifying Engineer or qualified representative will perform onsite inspections/meetings during the project, including a pre-construction meeting, up to two (2) intermediate meetings/inspections; and a final inspection/walkthrough at substantial completion (total of up to four visits during the construction duration).

In addition to onsite inspections/meetings, SCS has assumed up to six (6) hours per week over the construction duration will be sufficient for these services. Additionally, we have also included fees for travel expenses for site visits to be performed by the Certifying Engineer.

Construction Documentation Report

This task includes preparation of a construction documentation report. This report will include record drawings and surveys, including surveying of extraction wells, piping at 50-foot intervals or less for pipe inflections, fittings, valves, and other infrastructure installed during the project. The construction report will include a project overview, record survey, results of lab and field testing, LFG extraction well boring logs and installation records, daily reports, and photographs taken during construction. The narrative portion of the report will list project participants, construction milestone dates, and provide a description of issues encountered during construction or areas that may warrant attention in the future.

Deliverables: Up to 3 hard copies of the Construction Documentation Report for the GCCS construction project will be provided, including all documentation collected during construction as described in this task's scope. All deliverables will also be provided electronically via MS-Word and PDF, as necessary.

SCHEDULE FOR AUTHORIZED TASKS

The final page of this exhibit contains a project schedule. Although the tasks in this proposal are interrelated, since many of the tasks stem from different regulatory requirements or sections within the same rule, the dates presented are relatively independent from one another, as are the deliverables. Also, each of these tasks is of a relatively short duration and, as such, interim milestones are minimal.

Task 1 – Annual NSPS, NESHAPS, and Title V Reporting are shown as being completed around the previously set reporting dates of April 30th and October 30th. Federal Greenhouse Gas (GHG) Emissions Reporting Services will begin at the start of 2025. Data will be collected, processed, and emissions calculation prepared. In March 2025, the emissions results will be entered into e-GGRT for final reporting to EPA. Emissions Inventory Reporting is shown as being completed in February and March for submittal by April 1, 2025, which is the current deadline for this reporting that has been set by NMED.

Task 2 – On-call services will be performed on an as-needed basis.

Task 3 – Various routine O&M services will occur on a regular schedule with routine services for the wellfield (once or twice monthly), and surface emissions/opacity monitoring quarterly. The well extensions in Cells 1-3 will be completed prior to the necessary filling in these cells (projected to be September – November 2025). The Cell 6A/6B Cleanout riser connection is shown to be in place by March 2025. Non-routine services may be needed at any time.

Tasks 6 through 8 – These tasks related to the wellfield expansion into Cell 6 have been set to allow for the completion of this expansion by the end of the contract period in November 2025, with the cell at completed grades by September 2025. To meet the September start date, Task 7 is shown as being bid and awarded by June 2025 so that the contractor can order materials in August and mobilize in early September. The expansion construction should take no more than two months. The design is shown to be completed to accommodate the Tasks 7 and 8 schedules.

SCOPE FOR FUTURE TASKS

Task 4 – Title V Post-Submittal Support Services – (Previously completed and not needed for this year)

Task 5 – GCCS Design Plan Amendment (AAAA Update) - (Previously completed and not needed for this year)

Task 9 – Title V Permit Renewal (Not included here as permit renewal application not due until April 14, 2027)

EXHIBIT A - PROJECT SCHEDULE (AUTHORIZED TASKS ONLY)
2025 AIR COMPLIANCE/O&M SERVICES FOR THE
CAJA DEL RIO LANDFILL

Task	Date												
	2024	2025											
	D	J	F	M	A	M	J	J	A	S	O	N	
1 - Annual NSPS, NESHAPs, and Title V Reporting, XXX Liquids Reporting, NM Emission Inventory, & GHG Reporting													<= Prepare NM Emissions Inventories and GHG Emissions by March 31, 2025. Prepare NSPS/ NESHAPs/TV Reports by April 30 and October 30, 2025. Liquids reporting due September 28, 2025.
2 - Engineering On-Call Services													<= Perform additional services tasks as needed.
3 - O&M Routine Services													<= Perform once a month (twice if needed).
3 - O&M Surface Emissions Monitoring													<= Perform quarterly.
3 - O&M Cell 1-3 Well Extensions													<= Complete prior to filling in area.
3 - O&M Jumper Line to Cell 6A/6B Cleanout													<= Perform so in place by March 2025.
3 - O&M Non-Routine Services													<= Perform as needed.
6 - Gas System Expansion Design													<= Perform to accommodate Task 8 schedule.
7 - Bid Support Services (Gas System Expansion)													<= Perform to accommodate Task 8 schedule.
8 - Gas System CQA													<= Construction completed by end of contract.

Exhibit A - 14

EXHIBIT B

Task Fees

Exhibit B. Rates and Not-to-Exceed Fees
2025 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 1 - Air-Related Reporting				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$250.00	hours	2	\$500.00
Sr. Project Advisor	\$255.00	hours	14	\$3,570.00
Staff Professional 3	\$180.00	hours	80	\$14,400.00
CAD Designer	\$140.00	hours	2	\$280.00
Office Service Manager	\$125.00	hours	4	\$500.00
Secretarial/Clerical	\$85.00	hours	12	\$1,020.00
Expenses				
Telephone/Fax/Postage	\$400.00	lump sum	1	\$400.00
Reproduction	\$305.00	lump sum	1	\$305.00
Subtotal Less Gross Receipts Tax				\$20,975.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)				\$0.00
Subtotal Task 1				\$20,975.00
Remaining Budget Through Amendments 1 and 2				\$26,100.00
Budget Allocation for Amendment 3				-\$5,125.00
Additional Compensation Requested for Amendment 3				\$0.00

Task 2 - Engineering On-Call Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$250.00	hours	2	\$500.00
Sr. Project Advisor	\$255.00	hours	18	\$4,590.00
Staff Professional 3	\$180.00	hours	40	\$7,200.00
CAD Designer	\$140.00	hours	2	\$280.00
Office Service Manager	\$125.00	hours	2	\$250.00
Secretarial/Clerical	\$85.00	hours	6	\$510.00
Expenses				
Telephone/Fax/Postage	\$100.00	lump sum	1	\$100.00
Reproduction	\$130.00	lump sum	1	\$130.00
Subtotal Less Gross Receipts Tax				\$13,560.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)				\$0.00
Subtotal Task 2				\$13,560.00
Remaining Budget Through Amendments 1 and 2				\$25,540.00
Budget Allocation for Amendment 3				-\$11,980.00
Additional Compensation Requested for Amendment 3				\$0.00

Task 3 - O&M Services					
Routine - Services	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Wellfield Reading (Initial tuning)	\$2,490.00	lump sum	1	12	\$29,880.00
Wellfield Reading (15-day recheck if required)	\$1,550.00	lump sum	1	12	\$18,600.00
Quarterly Maintenance (blower flare station)	\$650.00	lump sum	1	4	\$2,600.00
Liquid Level Measurements (LL)	\$0.00	lump sum	1	0	\$0.00
Surface Emissions Monitoring (SEM)	\$1,750.00	lump sum	1	4	\$7,000.00
Reporting (O&M, SEM, SSMs)	\$1,550.00	lump sum	1	12	\$18,600.00
Cell 1-3 Well Extensions	\$25,000.00	lump sum	1	1	\$25,000.00
Jumper to Cell 6A/6B Cleanout	\$35,000.00	lump sum	1	1	\$35,000.00
Subtotal Less Gross Receipts Tax					\$136,680.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)					\$6,660.00
Subtotal Task 3 - Routine Services					\$143,340.00
Remaining Budget Through Amendments 1 and 2					\$96,420.00
Budget Allocation for Amendment 3					-\$77,680.00
Additional Compensation Requested for Amendment 3					\$124,600.00

Task 3 - Non-Routine Services (Scheduled and Unscheduled Services/Emergencies)					
	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Non-Routine/Emergency Services	\$50,000.00	lump sum	1	1	\$50,000.00
Subtotal Less Gross Receipts Tax					\$50,000.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)					\$2,440.00
Subtotal Task 3 - Non-Routine Services					\$52,440.00
Remaining Budget Through Amendments 1 and 2					\$70,540.00
Budget Allocation for Amendment 3					-\$18,100.00
Additional Compensation Requested for Amendment 3					\$0.00

NOTES:

Routine O&M Services are lump sum.

Non-routine O&M services are based on time-and-materials NTE.

Task 6 - Gas System Expansion Design				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$250.00	hours	8	\$2,000.00
Project Manager 2	\$200.00	hours	0	\$0.00
Project Manager 1	\$190.00	hours	32	\$6,080.00
CAD Designer	\$140.00	hours	60	\$8,400.00
Staff Professional 3	\$140.00	hours	24	\$3,360.00
Secretarial/Clerical	\$85.00	hours	4	\$340.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$600.00	lump sum	1	\$600.00
Subtotal Less Gross Receipts Tax				\$21,080.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)				\$0.00
Subtotal Task 6				\$21,080.00
Remaining Budget Through Amendments 1 and 2				\$16,230.00
Budget Allocation for Amendment 3				\$4,850.00
Additional Compensation Requested for Amendment 3				\$0.00

Task 7 - Bidding Support Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$250.00	hours	4	\$1,000.00
Project Manager 2	\$200.00	hours	24	\$4,800.00
CAD Designer	\$140.00	hours	4	\$560.00
Associated Staff Professional 1	\$115.00	hours	12	\$1,380.00
Office Service Manager	\$125.00	hours	3	\$375.00
Secretarial/Clerical	\$85.00	hours	4	\$340.00
Expenses				
Telephone/Fax/Postage	\$100.00	lump sum	1	\$100.00
Reproduction	\$250.00	lump sum	1	\$250.00
Travel Expenses (Hotel, Vehicle, Airfare, etc.)	\$1,200.00	lump sum	1	\$1,200.00
Subtotal Less Gross Receipts Tax				\$10,005.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)				\$117.00
Subtotal Task 7				\$10,122.00

Task 8 - Gas System CQA				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$250.00	hours	28	\$7,000.00
Project Manager 2	\$200.00	hours	56	\$11,200.00
Staff Professional 1	\$130.00	hours	64	\$8,320.00
Office Service Manager	\$125.00	hours	8	\$1,000.00
CQA Technician	\$95.00	hours	450	\$42,750.00
Secretarial/Clerical	\$85.00	hours	2	\$170.00
Expenses				
Well Aggregate Conformance Testing	\$355.00	lump sum	1	\$355.00
Telephone/Fax/Postage	\$50.00	lump sum	1	\$50.00
Reproduction	\$250.00	lump sum	1	\$250.00
CQA Field Vehicle	\$100.00	per day	55	\$5,500.00
CQA Expenses (lodging, per Diem, etc.)	\$275.00	per day	55	\$15,125.00
On-Site Survey Equipment (during construction)	\$6,000.00	lump sum	1	\$6,000.00
Pre-Construction Surveying Services	\$11,500.00	T&M	1	\$11,500.00
Engineer Site Visit Travel Expenses	\$1,050.00	per visit	4	\$4,200.00
Subtotal Less Gross Receipts Tax				\$113,420.00
Out-of-State Business Gross Receipts Tax - Rate (4.875%)				\$2,610.00
Subtotal Task 8				\$116,030.00

SUMMARY OF TASK TOTALS BUDGET

	Budget for Amendment 3	Remaining Budget through Amendments 1&2	Additional Compensation Requested for Amendment 3
Task 1 - Air-Related Reporting	\$20,975.00	\$26,100.00	-\$5,125.00
Task 2 - Engineering On-Call Services	\$13,560.00	\$25,540.00	-\$11,980.00
Task 3 - Routine & NR O&M Services	\$195,780.00	\$166,960.00	\$28,820.00
Task 4 - Post-Submittal Support Services	\$0.00	\$12,585.00	-\$12,585.00
Task 5 - GCCS Design Plan Amendment	\$0.00	\$5,530.00	-\$5,530.00
Task 6 - Gas System Expansion Design	\$21,080.00	\$16,230.00	\$4,850.00
Task 7 - Bidding Services	\$10,122.00	\$0.00	\$10,122.00
Task 8 - Gas System CQA	\$116,030.00	\$0.00	\$116,030.00
Grand Totals	\$377,547.00	\$252,945.00	\$124,602.00

EXHIBIT C
Fee Schedule

SCS ENGINEERS

SCS ENGINEERS FEE SCHEDULE (Effective April 1, 2024 through March 31, 2025)

Labor Category	Rate/Hour (\$)
Business Unit Director	260
Senior Project Advisor	255
Project Advisor	250
Satellite Office Manager	250
Project Director II	235
Project Director I	220
Project Manager II	200
Project Manager I	190
CQA Manager	180
Project Professional III	180
Project Professional II	165
Project Professional I	150
Staff Professional III	140
Staff Professional II	135
Staff Professional I	130
Associate Staff Professional II	120
Associate Staff Professional I	115
CAD Designer	140
CAD Draftsperson	95
Office Service Manager	125
Secretarial/Clerical	85
Sr. Technician	115
Technician	105
CQA Technician	85

1. The hourly rates are effective through March 31, 2025. Work performed thereafter is subject to a new Fee Schedule issued for the period beginning April 1, 2025. Consistent with federal regulations, a factor of 150% will be applied to overtime hours for field personnel.
2. The above rates include salary, overhead, administration, and profit. Other direct expenses, such as analyses of air, water and soil samples, reproduction, travel, subsistence, subcontractors, long distance telephone, computers, etc., are billed at actual cost plus 15 percent. Vehicle mileage is billed at \$0.82 per mile for autos and \$0.92 per mile for company trucks. Daily rates apply on long-term projects.
3. Invoices will be prepared monthly for work in progress unless otherwise agreed. Invoices are due and payable upon receipt.
4. Payment of SCS Invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amount past due and owing on client's account.
5. For special situations, such as expert court testimony and limited consultation, hourly rates for principals of the firm will be on an individually-negotiated basis.

Exhibit C - SCS Engr Office 16 Fee schedule 040124-033125

**OM & M
FEE SCHEDULE**
(Effective May 1, 2024 through April 30, 2025)

Technical Field Personnel	Rate (\$)/Hour
Systems Specialist.....	89
Laborer.....	90
Field Technician I.....	105
Fusion Technician.....	110
Equipment Operator.....	112
Field Technician II.....	115
Plant Operator.....	120
GIS Technician.....	121
Senior Field Technician.....	126
OM&M Project Foreman.....	128
Mechanic.....	130
Support Specialist.....	138
OM&M Superintendent.....	145
Drone Pilot.....	160
Systems Administrator.....	160
Controls Specialist.....	182
Network Engineer.....	182
Senior OM&M Superintendent.....	190
Senior Drone Pilot.....	220
Systems Integrator.....	229
 Management/Support Personnel	 Rate (\$)/Hour
Secretarial.....	90
Project Administrator.....	100
Field Data Analyst.....	107
Designer/Drafter.....	120
Senior Project Administrator.....	125
Administrative Coordinator.....	125
Senior Field Data Analyst.....	130
Field Project Coordinator.....	150
Project Professional.....	155
Project Estimator.....	156
Project Coordinator/Accountant.....	165
H&S Specialist.....	165
Product Development Manager.....	195
Senior H&S Specialist.....	200

Management/Support Personnel cont'	Rate (\$)/Hour
Controls & Instrument Engineer.....	240
H&S Manager.....	240
Quality Advisor.....	250
Project Manager.....	250
Senior Project Professional.....	260
GIS Developer.....	268
Senior Project Manager.....	275
Quality Manager.....	300
Regional Manager/Project Director.....	310
RMC Business Manager.....	324
Senior Project Advisor.....	330
National RMC Director.....	351
Director of Technology.....	351

General Terms

1. Labor rates are in effect until April 30, 2025. Any work performed after that date is subject to a new Standard Fee Schedule.
2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative markup. Automobile mileage cost is \$0.67 per mile and is subject to change per Federal IRS laws. Trucks will be charged at \$25.00/hour. (No administrative mark-up will be applied to charges for company-owned vehicles.)
3. Invoices will be prepared monthly for work in progress, unless otherwise agreed. Invoices are due and payable upon receipt. Any invoices not paid within 30 days of receipt are subject to a service charge of 1.5 percent per month on the unpaid balance.
4. Payment of SCS Field Services invoices for services performed will not be contingent upon the client's receipt of payment from other parties. The client agrees to pay legal costs, including attorney's fees, incurred by SCS Field Services in collecting any amounts past due and owing on the client's accounts.
5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.
6. On short-term or one-time assignments, services that require less than eight (8) hours, but more than four (4) hours, will be billed at eight (8) hours. A minimum of four (4) hours will be billed for any service requested which is not conducted in conjunction with an ongoing, long-term project (including call-outs after normal work hours), and will be charged portal-to-portal from SCS Field Services offices.

7. For operation, construction, and/or repair work performed on weekends and/or nights (if work exceeds 8 hours in a day), the above rates will be marked up 50 percent. For work performed on company-recognized holidays or beyond 12 hours in a day, the above rates will be marked up 100 percent.
8. These rates are based on non-union, non-prevailing wage scales.
9. For long-term on-site project assignments, rates may be discounted on an individually negotiated basis. Long-term on-site personnel are permitted to return home every four (4) weeks. Travel expenses shall be invoiced to the client at cost plus 15 percent.
10. For projects that are not local to an SCS Field Services office, thereby requiring crew mobilizations, lodging costs, and a \$55 per person per diem cost will be charged. Lodging and per diem costs will be marked up 15 percent.
11. For projects that require crews to mobilize from a local office and stay in a hotel local to a project site to efficiently perform client-requested work, a \$55 per day per person per diem cost will be charged to the project as well as a nightly hotel cost. Hotel costs typically range from \$75 to \$175 per night. SCS Field Services will make every effort to find the most cost-efficient hotels. In some high-expense locations, hotel rates may be above \$175 per night. Hotel and per diem expenses will be marked up 15 percent.
12. Costs for equipment and analysis will be billed in accordance with the rates contained on SCS Field Services Standard Fee Schedule for Equipment and Analysis.

OM&M
FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
(Effective May 1, 2024 through April 30, 2025)

	Rate (\$)
GEM 2000 NAV/5000 NAV/Envision Gas Analyzer(s):	
• Daily Rate.....	225/day
• Weekly Rate.....	1,122/week
• Monthly Rate.....	3,368/month
Gazoscan Kit	
• Daily Rate.....	230/day
• Weekly Rate.....	1,134/week
• Monthly Rate.....	3,402/month
GEM 5000 w/H₂S/CO	
• Daily Rate.....	245/day
• Weekly Rate.....	1,214/week
• Monthly Rate.....	3,640/month
SEM 500/TVA 2020/TDL 500/ Site FID Emissions Monitor/Irwin Inficon SEM:	
• Daily Rate.....	245/day
• Weekly Rate.....	1,214/week
• Monthly Rate.....	3,640/month
Optical Gas Imaging (OGI) Camera	250/day
Q Rae Gas Analyzer O ₂ /H ₂ S/CO/Combustibles	60/day
Micro Max Gas Analyzer O ₂ /H ₂ S/CO/COI Combustibles	60/day
4 Gas Meter.....	60/day
Magnehelic Pressure Meter	14/day
Digital Readout Thermocouple.....	30/day
Dewatering Pump (Trash Pump)	55/day
Dräger Detector Tubes/Pump	25/each
MiniRae 2000/3000 PID:	
• Daily Rate.....	183/day
• Weekly Rate.....	912/week
• Monthly Rate.....	2,738/month

	Rate (\$)
RKI Eagle II:	
• Daily Rate	183/day
• Weekly Rate	912/week
• Monthly Rate	2,738/month

Air Sampling Station:	
• Daily Rate	60/day
• Weekly Rate	298/week
• Monthly Rate	920/month

Weather Station:	
• Daily Rate	60/day
• Weekly Rate	298/week
• Monthly Rate	920/month

Pipe Laser:	
• Daily Rate	60/day
• Weekly Rate	298/week
• Monthly Rate	920/month

PAS 3000 Personal Air Sampling Pump	32/day
Tedlar Bag (10-Liter)	48/each
Sample Flow Controller/Tier II Gauge	52/day
Non-Contaminating Air Sampling Pump	32/day
Interface Probe	60/day

Handheld GPS:	
• Daily Rate	32/day
• Weekly Rate	154/week
• Monthly Rate	460/month

Submersible Pump:	
• Daily Rate	60/day
• Weekly Rate	298/week
• Monthly Rate	920/month

Water Level Indicator:	
• Daily Rate	25/day
• Weekly Rate	120/week
• Monthly Rate	374/month

	Rate (\$)
Water Level Meter w/Temperature:	
• Daily Rate	55/day
• Weekly Rate	272/week
• Monthly Rate	818/month
100-Foot Temperature Probe:	
• Daily Rate	20/day
• Weekly Rate	98/week
• Monthly Rate	290/month
Teflon Well Bailer	32/each
Vacuum Box/Carbon Canister and Blower	183/day
Tool Truck	25/hour
No. 14 P.E. Fusion Machine (1"-4"):	
• Daily Rate	134/day
• Weekly Rate	668/week
• Monthly Rate	2,007/month
No. 26 P.E. Fusion Machine (2"-6"):	
• Daily Rate	165/day
• Weekly Rate	822/week
• Monthly Rate	2,466/month
No. 28 P.E. Fusion Machine (2"-8")	
• Daily Rate	218/day
• Weekly Rate	1,094/week
• Monthly Rate	3,283/month
• Daily Rate	440/day
• Weekly Rate	2,200/week
• Monthly Rate	5,260/month
No. 618 P.E. Fusion Machine (6"-18"):	
• Daily Rate	660/day
• Weekly Rate	3,300/week
• Monthly Rate	9,070/month

Trackstar 500 Fusion Machine

- Daily Rate 765/day
- Weekly Rate 3,820/week
- Monthly Rate 8,477/month

Sidewinder Fusion Machine

- Daily Rate 191/day
- Weekly Rate 955/week
- Monthly Rate 2,870/month

Electrofusion Processor Machine:

- Daily Rate 225/day
- Weekly Rate 1,115/week
- Monthly Rate 3,350/month

- Leister Extrusion Welding Gun 192/day
- Air Compressor 74/day
- Arc Welder 90/day
- Generator (3,500-Watt) 74/day
- Generator (5,000-Watt) 90/day
- Generator (6,000-Watt) 97/day
- Generator (8,000-Watt) 102/day

- Daily Rate 48/day
- Weekly Rate 244/week
- Monthly Rate 732/month

- Daily Rate 74/day
- Weekly Rate 370/week
- Monthly Rate 1,106/month

- Daily Rate 122/day
- Weekly Rate 608/week
- Monthly Rate 1,820/month

4-Wheeler with 44" Mow Deck:

- Daily Rate..... 122/day
- Weekly Rate 608/week
- Monthly Rate..... 1,820/month

Riding Mower:

- Daily Rate..... 214/day
- Weekly Rate 1,066/week
- Monthly Rate..... 3,198/month

Chain Saw:

- Daily Rate.....15/day
- Weekly Rate 70/week
- Monthly Rate.....204/month

Horiba Water Quality Meter:

- Daily Rate.....60/day
- Weekly Rate 298/week
- Monthly Rate..... 920/month

Hydrogen Sulfide Meter:

- Daily Rate..... 231/day
- Weekly Rate 1,154/week
- Monthly Rate..... 3,470/month

Infrared Thermometer:

- Daily Rate.....15/day
- Weekly Rate 70/week
- Monthly Rate..... 204/month

Micropurge Flow Cell (Groundwater):

- Daily Rate..... 122/day
- Weekly Rate 608/week
- Monthly Rate..... 1,820/month

Oilless Compressor and Control Box (Groundwater):

- Daily Rate.....90/day

- Weekly Rate 454/week
- Monthly Rate..... 1,361/month

Earth/Resistance Tester:

- Daily Rate 122/day
- Weekly Rate 608/week
- Monthly Rate..... 1,820/month

Pitot Tube and Gauges:

- Daily Rate 15/day
- Weekly Rate 48/week
- Monthly Rate..... 204/month

Pressure Washer:

- Daily Rate 60/day
- Weekly Rate 298/week
- Monthly Rate..... 918/month

Turbidity Meter/Conductivity Meter:

- Daily Rate 32/day
- Weekly Rate 154/week
- Monthly Rate..... 460/month

Vacuum Air Pump:

- Daily Rate 122/day
- Weekly Rate 608/week
- Monthly Rate..... 1,820/month

Downhole Video Camera System 245/day

Weed Trimmer:

- Daily Rate 32/day
- Weekly Rate 154/week
- Monthly Rate..... 460/month

Safety Equipment:

- Tyvek Suit (each) 20/each
- Polyethylene suit (each) 25/each
- PVC Gloves (per pair)..... 20/each
- Rubber booties (per pair)..... 20/each
- Organic Vapor Cartridges (per pair)..... 25/each

- Organic Vapor/Acid Cartridges (per pair) 32/each
- Cartridges pre-filters (per pair) 20/each

Safety Equipment Continued:

- Half face respirator (each) 25/day
- Full face respirator (each) 32/day
- Ventilator/manhole blowers 32/day
- Parachute harness 15/day
- Tripod:
 - Daily Rate 90/day
 - Weekly Rate 445/week
 - Monthly Rate 1,360/month
- SCBA 245/day

General Terms

1. Rates are in effect until April 30, 2025. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.
6. Availability of equipment owned by SCS Field Services may vary.

ATTACHMENT 2

Amendment No. 2 - Professional Services Agreement

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
AMENDMENT No. 2
PROFESSIONAL SERVICES AGREEMENT
SCS ENGINEERS
(Air Quality Permitting and Compliance Reporting Services and Engineering and
Operation and Maintenance Services for the Landfill Gas Collection System – 2021)**

This AMENDMENT No. 2 (the “Amendment”) to the PROFESSIONAL SERVICES AGREEMENT, dated November 18, 2021 (the “Agreement”), is made and entered between the Santa Fe Solid Waste Management Agency (“Agency”) and SCS Engineers (“Contractor”). The Amendment shall be effective as of the date this Amendment is executed by the Agency.

RECITALS

Under the terms of the Agreement, Contractor has agreed to provide engineering, operation, and maintenance services for the landfill gas collection system at the Caja del Rio Landfill (RFP No. 22/16/P).

Pursuant to Article 22, Amendment of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are acknowledged by the parties, the Agency and Contractor agree as follows:

1. SCOPE OF SERVICES

Article 1, Scope of Services of the Agreement is hereby amended to include the continuation of Tasks 1, 2 and 3 – Engineering, Operation and Maintenance Services for calendar year 2024 and Task 6 – Gas System Expansion Design, and add Task 7 – Bid Support Services for the Gas System Expansion as described in the Scope of Services attached hereto as Exhibit A.

2. COMPENSATION

Article 3, Compensation of the Agreement is hereby amended to increase the amount of compensation by a total of Nine Thousand Four Hundred Forty-Eight Dollars and Eighty-Six Cents (\$9,448.86) so that Article 3 reads in its entirety as follows:

A. The Agency shall pay to Contractor in full payment for services rendered, a sum not to exceed Three Hundred Forty-Nine Thousand Two Hundred Sixty-Six Dollars and Eighty-Six Cents (\$349,266.86), including applicable gross receipts taxes pursuant to the rates and fee schedule as contained in Exhibits B and C attached hereto.

DESCRIPTION	AMOUNT
ORIGINAL CONTRACT	\$160,670.00
AMENDMENT NO. 1	\$179,148.00
AMENDMENT NO. 2	\$9,448.86
CONTRACT TO DATE	\$349,266.86

B. Contractor shall be responsible for payment of gross receipts taxes due to the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of reasonably detailed invoices describing the services performed. Compensation shall be paid only for services performed in accordance with the fee schedule set forth in the Scope of Services hereto attached in Exhibit A.

D. Detailed invoices containing reimbursement expenses shall be itemized

3. **TERM AND EFFECTIVE DATE**

Article 4, Term and Effective Date of the Agreement is amended to extend the term of the Agreement, so that Article 5 reads in its entirety as follows:

A. This Agreement shall be effective when signed by the Agency and terminate on November 18, 2024, unless it is terminated sooner pursuant to Article 6 of this Agreement.

B. Pursuant to the limitations on multi-term contracts for services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and

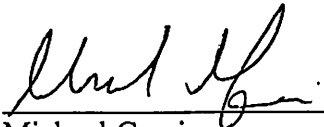
renewals. Subject to that limitation, this Agreement can be renewed annually, if agreed upon by the Agency and Contractor.

4. **AGREEMENT IN FULL FORCE**

Except as specifically provided in this Amendment, the Agreement remains and shall remain in full force and effect, in accordance with its terms.

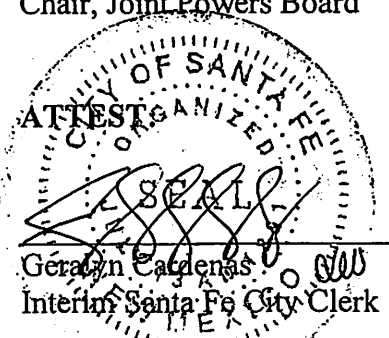
IN WITNESS WHEREOF, the parties have executed this Amendment as of the dates set forth below.

SANTA FE SOLID WASTE MANAGEMENT AGENCY:



Michael Garcia
Chair, Joint Powers Board

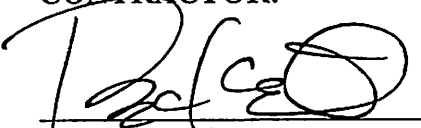
11/12/23
Date:



Gerelyn Cadenas
Interim Santa Fe City Clerk

11/28/23
Date

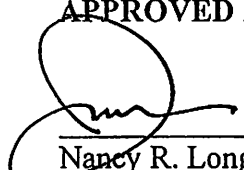
CONTRACTOR:



Ryan Kuntz, P.E.
Vice President/Satellite Office Manager
SCS Engineers

11/20/2023
Date

APPROVED AS TO FORM:



Nancy R. Long
Agency Attorney

11.16.2023
Date:

EXHIBIT A
Scope of Services

EXHIBIT A
PROJECT DESCRIPTION AND SCOPE OF WORK
AIR QUALITY PERMITTING AND COMPLIANCE REPORTING SERVICES,
ENGINEERING, AND OPERATION AND MAINTENANCE SERVICES FOR THE
LANDFILL GAS COLLECTION SYSTEM
AT THE CAJA DEL RIO LANDFILL

Project Description

This scope of services is to provide SFSWMA the following: Air Quality Permitting and Compliance Reporting Services, Engineering Services, and Operation and Maintenance Services for the Landfill Gas Collection System at the Caja Del Rio Landfill as set forth in the Request for Proposal (RFP #'22/16/P). This grouping of services consists of compliance-related services encompassing the landfill's annual emissions inventory and other air-related work including Federal greenhouse gas (GHG) emissions reporting; Title V Permit reporting; New Source Performance Standards (NSPS) reporting; and National Emission Standards for Hazardous Air Pollutants (NESHAPS) reporting. It also includes operation and maintenance services (both routine and non-routine) for the gas collection and control system (GCCS). This scope also includes the services to assist with the next gas system expansion.

SCS proposes to organize our work for 2024 services into the following tasks:

- Task 1 – Air-Related Reporting;
- Task 2 – Engineering On-Call Services;
- Task 3 – GCCS O&M Routine and Non-Routine Services;
- Task 6 – Gas System Expansion Design; and
- Task 7 – Bid Support Services (Gas System Expansion)

Tasks 1 and 3 are updated with new budgets annually since these are ongoing, routine tasks. Task 2 is included for non-routine, unanticipated tasks that come up each year. Task 3 is included for GCCS O&M Routine and Non-Routine Services. Task 6 is related to the gas system expansion design. Per recent discussions with SFSWMA, Task 7 is included for the Bid Support Services for the gas system expansion, although may not be utilized in this scope for 2024 services.

The following items are future tasks anticipated to be needed through the contract period, but not likely to be needed until 2024. As such, these will be fully priced and authorized in future amendments to this agreement:

- Task 8 – Gas System CQA; and
- Task 9 – Title V Permit Renewal.

Scope of Work

Task 1 – Air-Related Reporting

Subtask 1.1 - NSPS, NESHAPs, and Title V Reporting

Task 1 includes services in calendar year 2024 related to required New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Title V reporting. It should be noted that the term “NSPS” in this task specifically refers to the requirements in 40 CFR 60, Subpart XXX. The term “NESHAPS” in this task specifically refers to the requirements in 40 CFR 63, Subpart AAAA. These NSPS and NESHAPS reports although requiring much of the same information, will be submitted in separate reports but concurrently. Reports will be submitted to NMED in April 2024 and in October 2024 for a total of four reports.

Under 40 CFR 60, Subpart XXX, liquids reporting is required annually under 40 CFR 60, §767(k) for any landfill that recirculates leachate or has within the last 10 years, or adds liquids to the landfill through a Research, Development, and Demonstration (RD&D) Permit. We understand SFSWMA recirculated liquids within the landfill waste mass and will require liquids reporting to NMED. As such, this task covers preparation and submittal of this report by no later than September 27, 2024.

The Title V reports document the facility’s compliance with air-related regulatory and permit requirements contained in the Title V permit. Title V reporting requires reporting of compliance deviations semi-annually and certification of overall compliance with all air-related requirements in the Title V permit annually. For this Task, SCS will prepare the required Title V reports with supporting documents and reporting from Agency staff. For budgeting purposes, consistent with our approach in prior years, we have assumed that SFSWMA will provide any necessary information for SCS’ use in preparing these reports. These reports will be submitted to NMED and EPA (Title V Annual Compliance Certification only) in April 2024 and in October 2024.

NSPS reporting requires documentation of the following per 40 CFR §60.767(f):

- All GCCS wellfield exceedances;
- A summary of quarterly surface scans;
- Documentation of any gas system expansions conducted during the reporting period;
- A summary of gas system downtime in excess of five days; and
- Any flare free-venting in excess of one hour.

As part of this task, SCS will keep track of each reporting period, and 30 days before the report is due, gather all required information from SFSWMA and SCS Field Services. SCS will then use this information to prepare the NSPS and NESHAPS report drafts for SFSWMA review. Upon approval, at SFSWMA’s preference, SCS will upload these reports to NMED’s Secure Extranet Portal (SEP) for SFSWMA to certify and submit.

Deliverables: Inclusive of seven (7) reports described above (2 NSPS/NESHAPS, 1 Liquids, 2 Title V Semi-Annual, and 2 Title V Annual Reports). An electronic draft of each report will be provided to SFSWMA for review (a hard copy can be provided upon request). One final copy of each report will be provided for SFSWMA’s records in addition to the appropriate copies for the Air Quality Bureau (AQB). In addition, all deliverables will be provided electronically in PDF format.

Subtask 1.2 - Prepare New Mexico Emissions Inventory Reporting

SCS will prepare the calendar year 2023 emissions inventory for the Caja del Rio Landfill. This task also includes the emissions inventory for Buckman Road Recycling and Transfer Station (BuRRT). Like last year, these inventories, which will be filed online, are scheduled to be submitted by April 1, 2024. In preparation for this task, SCS will prepare a list of needed information for each facility. These lists will include everything SCS needs to calculate 2023 emissions, such as 2023 incoming waste quantities and specifics regarding equipment usage. Once this information has been obtained, SCS will prepare emissions estimation spreadsheets. Per our discussions with the AQB, GHG calculations will not be required since Federal reporting is prepared. However, SCS will compile and submit GHG emissions to AQB also if needed as part of this task for the landfill only.

To report these emissions, SCS will utilize the online format required by AQB, referred to as the Air Emissions Inventory Reporting (AEIR) tool. Following completion by SCS, we will work with SFSWMA to check and finalize the submittals to AQB as the certifier. PDFs of the emissions spreadsheets will be provided to SFSWMA and AQB, consistent with what has been done in the previous years.

This task will also include any assistance with fee forms sent to SFSWMA from AQB. Please note, however, that any emissions fees themselves are not included in this proposal.

Deliverables: *PDF file of the emissions calculations. The reporting is electronic; however, SCS will also prepare sealed memorandum hard copies for SFSWMA files.*

Subtask 1.3 - Federal Greenhouse Gas (GHG) Emissions Reporting Services

This task will address requirements regarding the Federal mandatory GHG reporting rules for calendar year 2023 GHG emissions and encompass the reporting event that is due to EPA by March 31, 2024. The proposed scope for this task includes the preparation and submittal of the required GHG emissions estimates and associated information required by the GHG reporting rule. As was completed this past March, online reporting will be used to file information related to the GHG reporting rule. It should be noted that this reporting is different from State of New Mexico emissions reporting requirements (although for GHG emissions, as of 2023, AQB accepts what is prepared for EPA).

The first step in the GHG calculation process will be to collect all required data from calendar year 2023 including waste intake values, and GCCS landfill gas flows and methane content. We typically obtain much of this data throughout the year. SCS will collect this data from SFSWMA and SCS Field Services to complete the required data set. Utilizing equations provided in the EPA rule, SCS will convert the required information that has been gathered into the required GHG emissions.

SCS will place the collected data as well as all calculations into a suitable format for SFSWMA's files prior to entering the information into the EPA-required reporting format. SCS will enter the landfill's data into an XML programming tool for uploading into EPA's e-GGRT system. Upon completion of the XML tool, SCS will work with the SFSWMA's Designated Representative to review and certify the data to EPA. SCS will also be available to assist in providing additional information that EPA might require. When the reporting has been completed, SCS will provide a memorandum including pertinent assumptions and a copy of the EPA printouts verifying that the reporting was completed. This memorandum will be sealed by a professional engineer registered in the State of New Mexico.

Deliverables: *The reporting is electronic; however, as noted in this scope, SCS will prepare a sealed memorandum with EPA printout verification attached. Up to two hard copies of this memorandum will be provided to SFSWMA along with a PDF copy.*

Task 2 – Engineering On-Call Services

Since other related engineering services may also be needed, this task is recommended and included. Services in this task, which would only be authorized on an as-needed basis by SFSWMA, may include general support items that might come up during the contract period. Examples of these types of services could be the following:

- Light field construction work or engineering design generally associated the gas system or emissions control, including the gas system; leachate/condensate management; Title V air permit-related items, or cover repairs for emissions control;
- Support as needed for any new air or emissions-related rules, inspections, or requirements from NMED or EPA;
- Support needed from the Agency to evaluate landfill gas-to-energy if requested or to help as needed with the development of any such opportunity; and
- Any air-related or greenhouse gas-related (carbon credit) work that might be associated with the Agency or its facilities.

Deliverables: Although the items to be covered under this task are associated with on-call services are to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.

Task 3 – O&M Routine and Non-Routine Services

Routine Services – Once a Month Basis

The wellfield be will monitored on a monthly basis per NSPS/NESHAPS requirements. During the past year, SCS has performed regular monthly monitoring of the 29 extraction wells currently in operation. The need for twice-a-month reading of these wells has not been necessary to date in 2023, as wells have been maintained within required operating parameters. However, we suggest that the option to perform twice-a-month monitoring (initial monitoring and possibly monthly rechecks/adjustments) remain in the 2024 scope of work for availability if needed. Initial and second monthly readings (15-day rechecks) are shown as two different line items in the fee estimate. Although not expected, SCS might recommend twice-a-month readings outside of NSPS/NESHAPS-related issues if the wellfield readings indicate that this level of monitoring and tuning is necessary due to such factors as: repeated exceedances, under-pull of the wellfield; temperature and pressure variations over the month; or other circumstances that warrant twice-a-month readings.

During the monthly visits, typical routine services for the wellfield will involve:

- Monitoring and adjusting the 29 extraction wells so that they meet NSPS/NESHAPS parameter requirements for temperature and pressure.
- Obtaining landfill concentrations of methane, oxygen, carbon dioxide, and balance gas at each extraction well, in addition to individual extraction well temperatures and pressures.
- Assuring that extraction wells are functioning properly and/or without damage; inspections will also ensure that there are no broken hoses, pipes, thermometers, sample ports, loose connections, air leaks, and/or condensate build-up in the wellheads or well sample ports.
- Performing inspections of condensate sumps to determine if they are functioning properly and are in good condition.

A Landtec GEM 5000 will be used to obtain LFG concentrations, extraction well temperatures, static pressure, well flow rates, and system pressure. Obtaining these parameters will ensure proper wellfield adjustments, in addition to compliance with NSPS/NESHAPS guidelines. Initial readings and adjusted readings for each well and the blower/flare station will be stored in the GEM 5000 for future upload to SCS eTools; SCS' online electronic data management tool. SFSWMA staff will be able to access this database. Since SCS eTools is an SCS' proprietary application, the use of SCS eTools will be provided subject to SCS Standard Technology Services Agreement terms, as attached in Exhibit D.

If extraction wells do not adhere to NSPS/NESHAPS parameters (less than 145 °F and less than 0 pressure), adjustments to the wells will immediately be implemented to bring those wells back into compliance. Adjustments to the wells will also ensure compliance with the NSPS/NESHAPS requirements stipulating that some corrective action is made on non-compliant wells within 5 days of an exceedance(s). If non-compliant wells can immediately be corrected to meet NSPS/NESHAPS parameter(s), a 15-day recheck reading will not be required; however, if corrective action does not immediately correct the exceedance(s), SCS will re-monitor the wells within 15 days of the initial non-compliant reading. SCS will record at the blower/flare station all pertinent performance parameters such as:

- Flare temperature prior to and after wellfield adjustments have been made;
- LFG concentrations of methane, carbon dioxide, oxygen, and balance gas prior to and after wellfield adjustments have been made;
- Vacuum pressures and discharge pressure of the blower;
- Blower hours and vibration;
- Arrestor and knockout port differential pressures;
- Flare flow prior to and after wellfield adjustments have been made;
- Blower operating the GCCS at the time of the visit; and
- Other pertinent data required to maintain good operating conditions for the blower/flare station, and as required by the manufacturer.

SCS will monitor and inspect the blower, flare, and associated equipment. The inspections will involve, but not be limited to, the following items:

- Any damage, leaks, or breaks in piping;
- Unusual noise/vibrations/functions; and
- Irregular readings of output equipment and/or electrical equipment.

Maintenance services for the flare, blower, and associated equipment as recommended by the manufacturer of the flare - John Zink Maintenance for the blower/flare station will include, but not be limited to:

- Lubrication of the blower's (quarterly basis or sooner) motors as required by manufacturer;
- Periodic switching of the blowers (monthly basis);
- Draining condensate/fluids from the blower, flame arrestor, and other areas as noted by the John Zink O&M Manual (monthly basis unless specified by manufacturer otherwise);
- Checking that the continuous Yokogawa recorder is functioning properly (monthly basis);
- Recording propane tank levels and advising landfill staff of levels (monthly basis);
- Proper functioning of the Variable Frequency Drive (monthly basis);
- Proper functioning of the control panel and electronics (monthly basis);
- Other maintenance items as required by the John Zink O&M Manual for blower/flare station (time interval varies by equipment and manufacturer);

- Isolation and wellhead valves will be rotated fully to open and closed positions, to ensure valves are not “stuck in place” (quarterly basis);
- Flame arrestor cleaning (typically annually or an increase in differential pressure occurs);
- Thermocouple testing (as required by manufacturer) and cleaning, as required;
- Ultraviolet scanners inspection (quarterly or as required by manufacturer) and cleaning, as necessary;
- Igniter’s inspection (as required by manufacturer) and cleaning, as required; and
- Electrical/pneumatic inspection where needed.

In addition to routine maintenance, SCS will be responsible for providing necessary labor, equipment, and tools to repair and/or replace defective equipment as needed. Prior to replacement or repair of the equipment, SCS will advise SFSWMA of problems and discuss, requesting advice from the manufacturer regarding warranties on the equipment in question.

All maintenance, calibrations, and repairs performed by field staff will be recorded in a field log book for reference. The field log book will be kept in the GCCS control panel. Data from the continuous recorder, which records flow, temperature, and pressure, will be downloaded into electronic files submitted to SFSWMA and their designated agents. All collected data collected from the wellfield, blower/flare station, continuous GHG monitor, and any noted problem areas along with recommendations will be submitted to SFSWMA within 48 hours of data collection. A monthly report detailing the past month’s activities, all collected data, and recommendations on problem areas/equipment will be submitted by the last day of the following month. All data required to adhere to the work practice standards (NESHAPS requirement) that occurred during the month will be noted on appropriate forms, and will be included in the monthly report submitted to SFSWMA.

SCS’ approach to providing routine services is to collect data pertaining to the blower/flare station prior to making wellfield adjustments. This allows field staff to determine if the blower/flare station is functioning properly, and to identify problems that may be occurring in the wellfield. We feel that this approach is advantageous because, if the blower/flare station is not operating properly, the wellfield will not be “performing” as usual and adjustments to wells will be difficult to make and/or many wells could also have NSPS/NESHAPS compliance issues. One example involves higher than normal vacuum. Wells would be “over-pulled” as a result of this higher vacuum. If this condition (“overpulling”) is not immediately identified and investigated, change to the health of the collection system could be degraded and potentially more serious conditions may develop such as oxygen infiltration into the waste mass which could result in Sub-Surface Oxidation Events (SSOs). The disadvantage of this approach is there could be more time spent at the site if there are no problems at the blower/flare station, but this time would be offset if there were problems and they were not taken care of prior to wellfield adjustments.

After the blower/flare station is inspected and required data are obtained, the field technician will read the wellfield and make adjustments as necessary to each wellhead. As the technician obtains readings at each wellhead, they will inspect the well for leaks, damage, condensate, and other possible problems. Moving from well to well, the technician will also inspect and note the condition of the three condensate sumps and any exposed piping.

Once the wellfield is read, the technician will then return to the blower/flare station and record the necessary final data such as methane, oxygen, carbon dioxide, balance gas, inlet temperature, static pressure, flare temperature, and flow based on the completed wellfield readings. These parameters allow the technician to determine whether adjustments increased the efficiency of the system, and whether the system continues to operate efficiently.

Once the technician completes wellfield adjustments and collects all data from the blower/flare station, they will then perform maintenance for the month or quarter that is required for specific equipment. On a monthly basis, the technician will switch blowers so that each blower receives equal duty time. Any needed repairs can also be performed at this point, if they are not completed prior to monitoring and adjustment of the wellfield.

Surface Emissions Monitoring

SCS will perform Surface Emissions Monitoring (SEM) using a Landtec SEM5000 Portable Methane Detector, including around penetrations as defined in 40 CFR 60, Subpart XXX and 40 CFR 63, Subpart AAAA. The technician will walk the entire area of the landfill that is subject to NSPS/NESHAPS regulations (basically, where landfill materials are 5 years in age - in the area where extraction wells are located) at 30-meter spacing in a grid pattern. The SEM5000 would be calibrated prior to monitoring. Any areas where methane is detected at concentrations over 500 ppm will be immediately flagged, numbered, and marked on a site map. After the technician has finished walking the area, he will immediately contact SFSWMA staff to indicate where high concentrations of methane are located. The technician will assist SFSWMA staff in remediating these areas so that emissions are less than 500 ppm. Remediation is usually accomplished by placing more cover materials over the surface, and/or by increasing vacuum at nearby extraction well(s).

Where surface emissions have exceeded 500 ppm, the area will need to be re-evaluated within 10 days (usually performed the same day of the exceedance) and again in 30 days. SCS would perform this service during the monthly wellfield tuning/adjustment events. After the 30-day re-checks and concentrations below 500 ppm have been obtained, SCS will provide all the collected data in the corresponding monthly report that details the findings of the surface emissions monitoring event. The report will contain all pertinent data derived from monitoring, along with associated site plans and the locations of any exceedances.

Deliverables: *Hard copy O&M reports will be provided to SFSWMA monthly GCCS and SEM monitoring reports will be provided quarterly.*

Non-Routine Services

Non-routine work will consist of repair and/or replacement of equipment that can be scheduled in advance and does not consist of emergency services. Non-routine work can range from minor repairs, such as broken wellheads, to complete overhaul of equipment components. In an example of a broken wellhead, SFSWMA staff can disconnect the well from the GCCS system by capping the broken ends. The GCCS will continue to operate with the remainder of the wells online. SCS can schedule repair of the well during our next trip to the site, or we can arrange with SFSWMA to visit the site sooner. Either arrangement would allow SCS to schedule repairs and obtain necessary materials/equipment to fix the broken wellhead within an agreed time interval.

In addition, non-routine work may also consist of recommendations made by SCS concerning the efficiency of the collection system. These special assignments will be authorized and prioritized by SFSWMA before any work is performed.

Once SFSWMA has identified a repair or special assignment that it desires SCS to perform, SCS will provide SFSWMA with a schedule and associated fees to complete the assignment within a time frame that is mutually agreeable to SFSWMA and SCS. No work will be performed until SFSWMA has authorized the work. Once authorization has been received via written communication (email is acceptable), SCS will

obtain all necessary equipment, tools, and materials needed to complete the task. SCS recommends that these non-routine events occur during normal routine visits to the site (i.e. during wellfield tuning events). The obvious advantage of this approach is cost savings. A disadvantage would be the GCCS not operational for a longer period of time, if the non-routine service involved a major operational component. SCS will make recommendations to SFSWMA on the severity of the problem and discuss timing factors in order to make a decision on how to handle a major non-routine service.

Repair/replacement of any HDPE pipe will most likely be with an SCS field technician. SFSWMA will be provided a scope of work and cost estimate information, prior to repair of the HDPE, to obtain SFSWMA approval for the proposed work. Once notice to proceed has been obtained from SFSWMA, the repair work will be scheduled. SCS will also schedule the repair work during a routine visit to the site, if possible, in order to keep costs to a minimum.

Unscheduled Non-routine Emergency Services

SCS can provide unscheduled non-routine emergency services when conditions require immediate response and the restoration of GCCS operations. These are services that can be minor or major in nature and require restart of the GCCS. The urgent nature of these items is such that response to them cannot be scheduled during routine or non-routine services. Within a few hours after an alert from SFSWMA staff and/or the GCCS auto dialer, SCS staff can respond to these emergencies 7 days a week.

During an emergency event, the Field Services Project Manager and/or other SCS staff can assess problems and provide immediate assistance. If a problem is major, SCS will contact SFSWMA, describe the event, and make recommendations to remedy the situation. During these types of emergencies, SCS will only perform work required at the time, to ensure no safety hazards exist and/or to provide for the restart of the GCCS. Once these hazards have been resolved and the GCCS is operational again, we will provide repairs based on routine or non-routine scheduled service procedures.

Task 6 – Gas System Expansion Design

Waste in future cells not covered by the current landfill gas collection and control system (GCCS) will have been in place in excess of 5 years during the contract period. Per the current federal NSPS/NESHAPS Rules for landfills, gas collection from Cell 6B will be required by March 2025. For this task, SCS will prepare bid-level plans and specifications for the expansion of the GCCS into Cell 6B as required by the NSPS/NESHAPS rules. This design will conform to the GCCS Design Plan and the layout prepared as described in the Master Plan Document. The construction plans will be comprehensive and include, at a minimum, the following plan sheets:

- Cover Sheet;
- Existing Conditions;
- LFG Collection System Layout Plan;
- Extraction Well Details, including Well Schedule;
- Pipe and Valve Details;
- Condensate Management Details; and
- Survey Control.

It is assumed that the most recent survey of the landfill at the time of performing this task will be sufficient for development of the construction plans. However, should updates to the survey be necessary, we will advise SFSWMA of the area requiring an updated survey for design purposes. Additionally, our specifications will require a pre-construction survey at the well locations to confirm well depths, and based on this pre-construction

survey, well depths will be adjusted accordingly by SCS' engineer. Necessary pre-construction surveys will be performed under Task 8.

SCS will prepare bid documents and specifications for this construction project. Bid items will be clearly identified. Consistent with prior bid documents prepared by SCS, we have assumed that "front-end" bid documents and standards will be provided to SCS for inclusion into the bid documents and specifications, including but not limited to, invitation to bid, instructions to bidders, bid proposal forms, bond forms, general and supplemental conditions, and other necessary standard forms for bidding purposes. In addition to SCS' standard specifications for "General Requirements," (i.e., measurement and payment, health and safety, meetings, environmental protection, submittals, etc.), it is anticipated that the following technical specifications will be prepared for this project:

- Layout of work and surveying;
- Excavation, trenching, backfilling, and grading;
- LFG extraction wells and wellheads (including well drilling, bentonite, and aggregate backfill);
- High density polyethylene pipe, fittings, and valves (including materials, installation, and testing); and
- Condensate management system (includes pump and sump, if required).

During the preparation of technical specifications, SCS will review all local permits that may be necessary so that those requirements may be incorporated into the construction documents. During this effort, SCS will also consider the required timeframes for any of these authorizations and emphasize any of these items that may become a critical path item during construction.

SCS will also prepare a detailed estimate of probable cost of construction. SCS will perform the necessary quantity take-offs for line items included in the scope of work for the project. Line items for this project will include such items as: mobilization/demobilization, surveying, well installation, piping installation, perimeter header, and condensate sump installation (if required). The engineer's estimate of probable cost of construction will be supported by quantity estimates for each line item.

This task has been included in Year 3 to facilitate construction outside of winter months at the end of Year 3 and beginning of Year 4. Unless otherwise requested by SFSWMA, SCS will verify with SFSWMA on whether to initiate and complete this work in the second or third quarter of 2024.

Deliverables: *Electronic copies will be provided of all bid documents, construction plans and specifications, engineer's estimate, and construction documents for SFSWMA files along with printouts (up to 6 hard copies of the construction documents). All deliverables will be provided electronically via PDF.*

Task 7 – Bidding Support Services

This task will include bidding support to SFSWMA during the bidding-phase of the GCCS expansion construction project. Services to be provided shall include the following:

- Attendance by SCS at a pre-bid conference for the project.
- Technical support to SFSWMA procurement to respond to written comments and questions from bidders.
- Addenda will be issued, if necessary, to all plan holders.
- Review of contractor qualifications, as necessary, to verify pre-qualification requirements in bid documents.
- Review and compilation of bids, and submittal of award recommendation to SFSWMA.

This task will also include fees for air travel expenses, hotel, and rental car for attendance at the pre-bid conference. This task has been included in Year 3 to facilitate construction outside of winter months at the end of Year 3 and beginning of Year 4. Unless otherwise requested by SFSWMA, SCS will verify with SFSWMA on whether to initiate and complete this work in the third quarter of 2024. If this task is not utilized in Year 3, it will be performed in Year 4.

***Deliverables:** Meeting minutes from the pre-bid conference, any written responses to bidder questions, addenda (if necessary), an engineer's memorandum with comments and a recommendation regarding the bidder's qualifications (if necessary), and an engineer's memorandum with comments and award recommendation. All deliverables will also be provided electronically in MS-Word and AutoCAD, as necessary.*

Schedule for authorized Tasks 1 through 3, 6 and 7

The final page of this exhibit contains a project schedule. This schedule is discussed here. Although the tasks in this proposal are interrelated, since many of the tasks stem from different regulatory requirements or sections within the same rule, the dates presented are relatively independent from one another, as are the deliverables. Also, each of these tasks is of a relatively short duration and, as such, interim milestones are minimal.

Task 1 – Annual NSPS, NESHAPS, and Title V Reporting are shown as being completed around the previously set reporting dates of April 30th and October 30th. Federal Greenhouse Gas (GHG) Emissions Reporting Services will begin at the start of 2024. Data will be collected, processed, and emissions calculation prepared. In March 2024, the emissions results will be entered into e-GGRT for final reporting to EPA. Emissions Inventory Reporting is shown as being completed in February and March for submittal by April 1, 2024, which is the current deadline for this reporting that has been set by NMED.

Task 2 – On-call services will be performed on an as-needed basis.

Task 3 – Various routine O&M services will occur on a regular schedule with routine services for the wellfield (once or twice monthly), and surface emissions/opacity monitoring quarterly. Non-routine services may be needed at any time.

Task 6 – Gas system expansion design services will commence in either second or third quarter of 2024, unless otherwise directed by SFSWMA to postpone this work until Year 4.

Task 7 – Bid-support services for the gas system expansion will commence in either third or fourth quarter and be completed in November 2024, unless otherwise directed by SFSWMA to postpone this work until Year 4.

SCOPE FOR FUTURE TASKS

Task 8 – Gas System CQA

This task will cover construction quality assurance (CQA) services the Agency will need for the GCCS expansion construction during the contract term. It is understood that the duration and level of CQA Services will be directly proportional to the construction schedule and the role that SCS is responsible for during construction.

Subtask 8.1 – Pre-Construction Topographical and LFG Extraction Wells Survey

The specific survey services to be provided for this subtask are as follows:

- SCS will provide a pre-construction topographical survey of GCCS expansion area, if necessary, to confirm landfill gas (LFG) extraction well and piping locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm topographic grades of the landfill for the GCCS expansion.
- The pre-construction topographical survey will be reviewed by SCS and the construction plans modified as necessary to accommodate existing grades prior to construction.
- SCS will provide a pre-construction survey of the proposed landfill gas (LFG) extraction well locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm ground surface elevations of the LFG extraction wells.
- This pre-construction survey of the proposed LFG extraction wells will be reviewed and approved by the Certifying Engineer who is a Professional Engineer registered in the State of New Mexico. The surface elevations obtained for the well locations will be used to develop the issued-for-construction well schedule for the project.

Deliverables: Electronic copies will be provided of the modified construction plans (if necessary), and issued-for-construction well schedule for SFSWMA files along with printouts (up to 3 hard copies of the revised construction plans). All deliverables will be provided electronically via PDF.

Subtask 8.2 – Field CQA Services for LFG Extraction Well and Piping Installation

This subtask includes the field CQA services required during the LFG extraction system expansion. SCS will provide a qualified CQA technician to be onsite during LFG extraction well and piping installation.

The specific services to be provided during LFG extraction well installation are as follows:

- SCS' inspector will be on-site daily during well drilling and installation to log the wells and note any proposed relocation due to obstructions, liquid levels, etc.
- SCS' inspector will document construction activities through field notes and/or photographs and significant events (including weather delays) on a daily basis. Significant changes in quantity and time will be recorded.
- SCS' inspector will prepare extraction well boring logs and installation records, which will be included in the construction documentation report, as described in Subtask 8.4.

The specific services to be provided during LFG piping installation are as follows:

- An SCS inspector will be on-site daily during installation and testing of LFG collection and condensate management piping.
- Observe the installation of lateral/header piping and condensate management system components, including condensate sumps, piping, and valves.
- Documentation and observation for conformance with the construction plans and specifications:
- Review, observe, and document pneumatic pipe pressure testing.
- SCS' inspector will provide record location and elevation surveys of installed components and verify proper slopes and depths of piping prior to burial, as necessary, consistent with the construction plans and specifications. This work will be completed with GPS survey equipment. The survey equipment and inspector will be capable of inverting slopes in the field to provide immediate verification of pipe slopes to the Contractor. The survey equipment will be available for use on-site during all times that construction activities are ongoing.
- Conduct walk-through of the project at substantial completion and provide a punch-list for completion.

SCS assumes that this subtask will require daily observation. As such, the above services for Subtask 8.2 will require SCS' inspector (i.e., CQA Technician) to be on-site for 10 hours/day, Monday through Saturday over the construction duration. For this subtask, SCS will also include fees for expenses such as, CQA field vehicle, meals at per diem, lodging, and survey equipment.

Subtask 8.3 – Project Management during LFG Collection System Expansion

This subtask includes overall project management and oversight by a Professional Engineer registered in the State of New Mexico during the entire project, including extraction well, collection piping, and condensate management system installation. The specific services to be provided for this subtask are as follows:

- Reviewing Contractor's applications for payment.
- Reviewing Contractor's layout of work survey and confirming enough slope is available for piping/making adjustments as needed.
- Reviewing and processing Contractor's submittals.
- Coordinate interpretations of construction plans and specifications and respond to request-for-information.
- Telephone calls among the SCS project manager, the Contractor, and SCS' on-site inspector to answer questions and resolve issues.
- Evaluating Contractor's change order proposals (if any).
- Maintain files for correspondence, reports, photographs, requests-for-information or clarifications, and other construction project related documentation.
- Document construction activities and significant events (including weather delays) on a daily basis. Significant changes in quantity, time, or cost will be recorded.
- Conformance testing of well aggregate, including gradation (ASTM C136) and percent calcium carbonate (JTL-S-105-89) consistent with the technical specifications.
- Certifying Engineer or qualified representative will perform onsite inspections/meetings during the project, including a pre-construction meeting, intermediate meetings/inspections; and a final inspection/walkthrough at substantial completion.

In addition to onsite inspections/meetings, SCS has assumed up seven (7) hours per week over the construction duration will be sufficient for the services provided in this subtask.

Subtask 8.4 – Construction Documentation Report

This task includes preparation of a construction documentation report. This report will include record drawings and surveys, including surveying of extraction wells, piping at 50-foot intervals or less for pipe inflections, fittings, and valves, and other infrastructure installed during the course of the project. The construction report will include a project overview, record survey, results of lab and field testing, LFG extraction well boring logs and installation records, daily reports, and photographs taken during construction. The narrative portion of the report will list project participants, construction milestone dates, and provide a description of issues encountered during construction or areas that may warrant attention in the future.

Deliverables: Up to 3 hard copies of the Construction Documentation Report for the GCCS construction project will be provided, including all documentation collected during construction as described in Subtasks 8.2 and 8.3. All deliverables will also be provided electronically via MS-Word and PDF, as necessary.

Task 9 – Title V Permit Renewal (Removed as permit renewal not due until April 14, 2027)

EXHIBIT A - PROJECT SCHEDULE (AUTHORIZED TASKS ONLY)
2024 AIR COMPLIANCE/O&M SERVICES FOR THE
CAJA DEL RIO LANDFILL

Task	Date												
	2023	2024											
	D	J	F	M	A	M	J	J	A	S	O	N	
1 - Annual NSPS, NESHAPs, and Title V Reporting, XXX Liquids Reporting, NM Emission Inventory, & GHG Reporting													<= Prepare NM Emissions Inventories and GHG Emissions by March 31, 2024. Prepare NSPS/NESHAPS/TV Reports by April 30 and October 30, 2024. Liquids reporting due by September 28, 2024.
2 - Engineering On-Call Services													<= Perform additional services tasks as needed.
3 - O&M Routine Services													<= Perform once a month (twice if needed).
3 - O&M Surface Emissions Monitoring													<= Perform quarterly.
3 - O&M Non-Routine Services													<= Perform as-needed.
6 - Gas System Expansion Design													<= Perform either in second or third quarter 2024.
7 - Bid Support Services (Gas System Expansion)													<= Perform either in third or fourth quarter 2024.

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EXHIBIT B

Task Fees

Exhibit B. Rates and Not-to-Exceed Fees
2024 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 1 - Air-Related Reporting				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$240.00	hours	2	\$480.00
Project Manager 2	\$195.00	hours	9	\$1,755.00
Project Manager 1	\$185.00	hours	25	\$4,625.00
CAD Designer	\$135.00	hours	2	\$270.00
Staff Professional 3	\$135.00	hours	91	\$12,285.00
Secretarial/Clerical	\$80.00	hours	12	\$960.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$300.00	lump sum	1	\$300.00
Subtotal Less Gross Receipts Tax				\$20,975.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 1				\$20,975.00
Remaining Budget Through Amendment 1				\$11,433.80
Budget Allocation for Amendment 2				\$9,541.20
Additional Compensation Requested for Amendment 2				\$0.00

Task 2 - Engineering On-Call Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$240.00	hours	10	\$2,400.00
Project Manager 2	\$195.00	hours	14	\$2,730.00
Project Manager 1	\$185.00	hours	12	\$2,220.00
CAD Designer	\$135.00	hours	2	\$270.00
Staff Professional 3	\$135.00	hours	40	\$5,400.00
Secretarial/Clerical	\$80.00	hours	6	\$480.00
Expenses				
Telephone/Fax/Postage	\$20.00	lump sum	1	\$20.00
Reproduction	\$40.00	lump sum	1	\$40.00
Subtotal Less Gross Receipts Tax				\$13,560.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 2				\$13,560.00
Remaining Budget Through Amendment 1				\$24,070.00
Budget Allocation for Amendment 2				-\$10,510.00
Additional Compensation Requested for Amendment 2				\$0.00

Task 3 - O&M Services					
Routine - Services	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Wellfield Reading (Initial Tuning)	\$2,415.00	lump sum	1	12	\$28,980.00
Wellfield Reading (15-day recheck if required)	\$1,500.00	lump sum	1	12	\$18,000.00
Quarterly Maintenance (blower flare station)	\$630.00	lump sum	1	4	\$2,520.00
Liquid Level Measurements (LL)	\$0.00	lump sum	1	0	\$0.00
Surface Emissions Monitoring (SEM)	\$1,700.00	lump sum	1	4	\$6,800.00
Reporting (O&M, SEM, SSMs)	\$1,500.00	lump sum	1	12	\$18,000.00
Subtotal Less Gross Receipts Tax					\$74,300.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$3,807.88
Subtotal Task 3 - Routine Services					\$78,107.88
Remaining Budget Through Amendment 1					\$45,075.65
Budget Allocation for Amendment 2					\$23,583.36
Additional Compensation Requested for Amendment 2					\$9,448.86
Task 3 - Non-Routine Services (Scheduled and Unscheduled Services/Emergencies)					
	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Non-Routine/Emergency Services	\$50,000.00	lump sum	1	1	\$50,000.00
Subtotal Less Gross Receipts Tax					\$50,000.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$2,562.50
Subtotal Task 3 - Non-Routine Services					\$52,562.50
Remaining Budget Through Amendment 1					\$72,439.56
Budget Allocation for Amendment 2					-\$19,877.06
Additional Compensation Requested for Amendment 2					\$0.00

NOTES:

Routine O&M Services are lump sum.

Non-routine O&M services are based on time-and-materials NTE.

Task 4 - Post-Submittal Support Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	0	\$0.00
Project Manager 2	\$185.00	hours	0	\$0.00
Project Manager 1	\$175.00	hours	0	\$0.00
CAD Designer	\$130.00	hours	0	\$0.00
Staff Professional 3	\$130.00	hours	0	\$0.00
Secretarial/Clerical	\$75.00	hours	0	\$0.00
Expenses				
Telephone/Fax/Postage	\$125.00	lump sum	0	\$0.00
Reproduction	\$125.00	lump sum	0	\$0.00
Subtotal Less Gross Receipts Tax				\$0.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 4				\$0.00
Remaining Budget Through Amendment 1				\$12,215.00
Budget Allocation for Amendment 2				-\$12,215.00
Additional Compensation Requested for Amendment 2				\$0.00

Task 5 - GCCS Design Plan Amendment (AAAA Update)				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	0	\$0.00
Project Manager 2	\$185.00	hours	0	\$0.00
Project Manager 1	\$175.00	hours	0	\$0.00
CAD Designer	\$130.00	hours	0	\$0.00
Staff Professional 3	\$130.00	hours	0	\$0.00
Secretarial/Clerical	\$75.00	hours	0	\$0.00
Expenses				
Telephone/Fax/Postage	\$125.00	lump sum	0	\$0.00
Reproduction	\$125.00	lump sum	0	\$0.00
Subtotal Less Gross Receipts Tax				\$0.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 5				\$0.00
Remaining Budget Through Amendment 1				\$12.50
Budget Allocation for Amendment 2				-\$12.50
Additional Compensation Requested for Amendment 2				\$0.00

Task 6 - Gas System Expansion Design				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	8	\$1,840.00
Project Manager 2	\$185.00	hours	0	\$0.00
Project Manager 1	\$175.00	hours	32	\$5,600.00
CAD Designer	\$130.00	hours	60	\$7,800.00
Staff Professional 3	\$130.00	hours	24	\$3,120.00
Secretarial/Clerical	\$75.00	hours	4	\$300.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$600.00	lump sum	1	\$600.00
Subtotal Less Gross Receipts Tax				\$19,560.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 6				\$19,560.00
Remaining Budget Through Amendment 1				\$19,560.00
Budget Allocation for Amendment 2				\$0.00
Additional Compensation Requested for Amendment 2				\$0.00

Task 7 - Bidding Support Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$240.00	hours	4	\$960.00
Project Manager	\$185.00	hours	24	\$4,440.00
CAD Designer	\$135.00	hours	4	\$540.00
Associated Staff Professional	\$110.00	hours	12	\$1,320.00
Office Service Manager	\$120.00	hours	3	\$360.00
Secretarial/Clerical	\$80.00	hours	4	\$320.00
Expenses				
Telephone/Fax/Postage	\$100.00	lump sum	1	\$100.00
Reproduction	\$250.00	lump sum	1	\$250.00
Travel Expenses (Hotel, Vehicle, Airfare, etc.)	\$1,200.00	lump sum	1	\$1,200.00
Hourly Computer Fee	\$3.50	per hour	0	\$0.00
Subtotal Less Gross Receipts Tax				\$9,490.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$113.78
Subtotal Task 7				\$9,490.00
Remaining Budget Through Amendment 1				\$0.00
Budget Allocation for Amendment 2				\$9,490.00
Additional Compensation Requested for Amendment 2				\$0.00

SUMMARY OF TASK TOTALS BUDGET

	Budget for Amendment 2	Remaining Budget through Amendment 1	Budget Allocation for Amendment 2	Additional Compensation Requested for Amendment 2
Task 1 - Air-Related Reporting	\$20,975.00	\$11,433.80	\$9,541.20	\$0.00
Task 2 - Engineering On-Call Services	\$13,560.00	\$24,070.00	-\$10,510.00	\$0.00
Task 3 - Routine & NR O&M Services	\$130,670.38	\$117,515.21	\$3,706.30	\$9,448.86
Task 4 - Post-Submittal Support Services	\$0.00	\$12,215.00	-\$12,215.00	\$0.00
Task 5 - GCCS Design Plan Amendment	\$0.00	\$12.50	-\$12.50	\$0.00
Task 6 - Gas System Expansion Design	\$19,560.00	\$19,560.00	\$0.00	\$0.00
Task 7 - Bidding Services	\$9,490.00	\$0.00	\$9,490.00	\$0.00
GRAND TOTAL	\$194,255.38	\$184,806.51	\$0.00	\$9,448.86

EXHIBIT C

Fee Schedule

SCS ENGINEERS

SCS ENGINEERS FEE SCHEDULE

(Effective April 1, 2023 through March 31, 2024)

Labor Category	Rate/Hour (\$)
Business Unit Director	250
Project Advisor.....	240
Satellite Office Manager	240
Project Director II.....	230
Project Director I.....	215
Project Manager II.....	195
Project Manager I.....	185
CQA Manager.....	175
Project Professional III	175
Project Professional II	150
Project Professional I	145
Staff Professional III.....	135
Staff Professional II.....	130
Staff Professional I.....	125
Associate Staff Professional.....	110
CAD Designer.....	135
CAD Draftsperson.....	90
Office Service Manager.....	120
Secretarial/Clerical	80
Sr. Technician.....	115
Technician.....	90
CQA Technician.....	80

1. The hourly rates are effective through March 31, 2024. Work performed thereafter is subject to a new Fee Schedule issued for the period beginning April 1, 2024. Consistent with federal regulations, a factor of 150% will be applied to overtime hours for field personnel.
2. The above rates include salary, overhead, administration, and profit. Other direct expenses, such as analyses of air, water and soil samples, reproduction, travel, subsistence, subcontractors, long distance telephone, computers, etc., are billed at actual cost plus 15 percent. Vehicle mileage is billed at \$0.77 per mile for autos and \$0.87 per mile for company trucks. Daily rates apply on long-term projects.
3. Invoices will be prepared monthly for work in progress unless otherwise agreed. Invoices are due and payable upon receipt.
4. Payment of SCS Invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amount past due and owing on client's account.
5. For special situations, such as expert court testimony and limited consultation, hourly rates for principals of the firm will be on an individually-negotiated basis.

RMC Business Manager	275
National RMC Director.....	285
Director of Technology.....	285
Regional Manager/Project Director	290

General Terms

1. Labor rates are in effect until April 30, 2024. Any work performed after that date is subject to a new Standard Fee Schedule.
2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up. Automobile mileage cost is \$0.625 per mile and is subject to change per Federal IRS laws. Trucks will be charged at \$25.00/hour. (No administrative mark-up will be applied to charges for company owned vehicles.)
3. Invoices will be prepared monthly for work in progress, unless otherwise agreed. Invoices are due and payable upon receipt. Any invoices not paid within 30 days of receipt are subject to a service charge of 1.5 percent per month on the unpaid balance.
4. Payment of SCS Field Services Invoices for services performed will not be contingent upon the client's receipt of payment from other parties. The client agrees to pay legal costs, including attorney's fees, incurred by SCS Field Services in collecting any amounts past due and owing on the client's accounts.
5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.
6. On short term or one-time assignments, services which require less than eight (8) hours, but more than four (4) hours, will be billed at eight (8) hours. A minimum of four (4) hours will be billed for any service requested which is not conducted in conjunction with an ongoing, long term project (including call-outs after normal work hours), and will be charged portal-to-portal from SCS Field Services offices.
7. For operation, construction, and/or repair work performed on weekends and/or nights (if work exceeds 8 hours in a day), the above rates will be marked up 50 percent. For work performed on Company recognized holidays or beyond 12 hours in a day, the above rates will be marked up 100 percent.
8. These rates are based on non-union, non-prevailing wage scales.
9. For long-term on-site project assignments, rates may be discounted on an individually negotiated basis. Long-term on-site personnel are permitted to return home every four (4) weeks. Travel expense shall be invoiced to the client at cost plus 15 percent.

10. For projects that are not local to an SCS Field Services office, thereby requiring crew mobilizations, lodging costs and a \$55 per person per diem cost will be charged. Lodging and per diem costs will be marked up 15 percent.
11. For projects that require crews to mobilize from a local office and stay in a hotel local to a project site to efficiently perform client requested work, a \$55 per day per person per diem cost will be charged to the project as well as a nightly hotel cost. Hotel costs typically range from \$75 to \$175 per night. SCS Field Services will make every effort to find the most cost efficient hotels. In some high expense locations, hotel rates may be above \$175 per night. Hotel and per diem expense will be marked up 15 percent.
12. Costs for equipment and analysis will be billed in accordance with the rates contained on SCS Field Services Standard Fee Schedule for Equipment and Analysis.

OM&M
FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
(Effective May 1, 2023 through April 30, 2024)

	Rate (\$)
GEM 2000 NAV/5000 NAV/Envision Gas Analyzer(s):	
• Daily Rate.....	214/day
• Weekly Rate.....	1,069/week
• Monthly Rate.....	3,208/month
Gazoscan Kit	
• Daily Rate.....	216/day
• Weekly Rate.....	1,080/week
• Monthly Rate.....	3,240/month
GEM 5000 w/H₂S/CO	
• Daily Rate.....	231/day
• Weekly Rate.....	1,156/week
• Monthly Rate.....	3,467/month
SEM 500/TVA 2020/TDL 500/ Site FID Emissions Monitor/Irwin Inficon SEM:	
• Daily Rate.....	231/day
• Weekly Rate.....	1,156/week
• Monthly Rate.....	3,467/month
Q Rae Gas Analyzer O₂/H₂S/CO/Combustibles	58/day
Micro Max Gas Analyzer O₂/H₂S/CO/COI Combustibles	58/day
4 Gas Meter.....	58/day
Magnehelic Pressure Meter	13/day
Digital Readout Thermocouple.....	29/day
Dewatering Pump (Trash Pump).....	52/day
Dräger Detector Tubes/Pump.....	24/each
MiniRae 2000/3000 PID:	
• Daily Rate.....	174/day
• Weekly Rate.....	869/week
• Monthly Rate.....	2,608/month

	Rate (\$)
RKI Eagle II:	
• Daily Rate.....	174/day
• Weekly Rate.....	869/week
• Monthly Rate.....	2,608/month
Air Sampling Station:	
• Daily Rate.....	58/day
• Weekly Rate.....	292/week
• Monthly Rate.....	875/month
Pipe Laser:	
• Daily Rate.....	58/day
• Weekly Rate.....	292/week
• Monthly Rate.....	875/month
PAS 3000 Personal Air Sampling Pump.....	29/day
Tedlar Bag (10-Liter).....	46/each
Sample Flow Controller/Tier II Gauge.....	49/day
Non-Contaminating Air Sampling Pump.....	29/day
Interface Probe.....	58/day
Handheld GPS:	
• Daily Rate.....	29/day
• Weekly Rate.....	146/week
• Monthly Rate.....	437/month
Submersible Pump:	
• Daily Rate.....	58/day
• Weekly Rate.....	292/week
• Monthly Rate.....	875/month
Water Level Indicator:	
• Daily Rate.....	24/day
• Weekly Rate.....	119/week
• Monthly Rate.....	356/month
Water Level Meter w/Temperature:	
• Daily Rate.....	52/day
• Weekly Rate.....	259/week
• Monthly Rate.....	778/month

	Rate (\$)
100-Foot Temperature Probe:	
• Daily Rate	18/day
• Weekly Rate	92/week
• Monthly Rate	275/month
Teflon Well Bailer	29/each
Vacuum Box/Carbon Canister and Blower	174/day
Tool Truck	24/hour
No. 14 P.E. Fusion Machine (1"-4"):	
• Daily Rate	127/day
• Weekly Rate	637/week
• Monthly Rate	1,912/month
No. 26 P.E. Fusion Machine (2"-6"):	
• Daily Rate	157/day
• Weekly Rate	783/week
• Monthly Rate	2,349/month
No. 28 P.E. Fusion Machine (2"-8")	
• Daily Rate	208/day
• Weekly Rate	1,042/week
• Monthly Rate	3,127/month
No. 412 P.E. Fusion Machine (4"-12"):	
• Daily Rate	319/day
• Weekly Rate	1,593/week
• Monthly Rate	4,779/month
No. 618 P.E. Fusion Machine (6"-18"):	
• Daily Rate	550/day
• Weekly Rate	2,749/week
• Monthly Rate	8,246/month
No. 824 P.E. Fusion Machine (8"-24"):	
• Daily Rate	1,098/day
• Weekly Rate	5,492/week
• Monthly Rate	16,475/month

	Rate (\$)
Trackstar 500 Fusion Machine	
• Daily Rate.....	491/day
• Weekly Rate.....	2,457/week
• Monthly Rate.....	7,371/month
Sidewinder Fusion Machine	
• Daily Rate.....	174/day
• Weekly Rate.....	869/week
• Monthly Rate.....	2,608/month
Electrofusion Processor Machine:	
• Daily Rate.....	203/day
• Weekly Rate.....	1,015/week
• Monthly Rate.....	3,046/month
Leister Extrusion Welding Gun.....	174/day
Air Compressor.....	70/day
Arc Welder.....	86/day
Generator (3,500-Watt).....	70/day
Generator (5,000-Watt).....	86/day
Generator (6,000-Watt).....	92/day
Generator (8,000-Watt).....	97/day
Isolation Pinch-off Tool (1"-4"):	
• Daily Rate.....	46/day
• Weekly Rate.....	232/week
• Monthly Rate.....	697/month
Isolation Pinch-off Tool (2"-8"):	
• Daily Rate.....	70/day
• Weekly Rate.....	351/week
• Monthly Rate.....	1,053/month
Isolation Pinch-off Tool (8"-12"):	
• Daily Rate.....	116/day
• Weekly Rate.....	578/week
• Monthly Rate.....	1,733/month
4-Wheeler (ATV/UTV):	
• Daily Rate.....	58/day
• Weekly Rate.....	292/week
• Monthly Rate.....	874/month

Rate (\$)

4-Wheeler with 44" Mow Deck:

- Daily Rate 116/day
- Weekly Rate 578/week
- Monthly Rate 1,733/month

Riding Mower:

- Daily Rate 203/day
- Weekly Rate 1,015/week
- Monthly Rate 3,046/month

Chain Saw:

- Daily Rate 13/day
- Weekly Rate 65/week
- Monthly Rate 194/month

Horiba Water Quality Meter:

- Daily Rate 58/day
- Weekly Rate 292/week
- Monthly Rate 875/month

Hydrogen Sulfide Meter:

- Daily Rate 220/day
- Weekly Rate 1,102/week
- Monthly Rate 3,305/month

Infrared Thermometer:

- Daily Rate 13/day
- Weekly Rate 65/week
- Monthly Rate 194/month

Micropurge Flow Cell (Groundwater):

- Daily Rate 116/day
- Weekly Rate 578/week
- Monthly Rate 1,733/month

Oilless Compressor and Control Box (Groundwater):

- Daily Rate 86/day
- Weekly Rate 432/week
- Monthly Rate 1,296/month

	Rate (\$)
Earth/Resistance Tester:	
• Daily Rate.....	116/day
• Weekly Rate.....	578/week
• Monthly Rate.....	1,733/month
Pitot Tube and Gauges:	
• Daily Rate.....	13/day
• Weekly Rate.....	45/week
• Monthly Rate.....	194/month
Pressure Washer:	
• Daily Rate.....	58/day
• Weekly Rate.....	292/week
• Monthly Rate.....	874/month
Turbidity Meter/Conductivity Meter:	
• Daily Rate.....	29/day
• Weekly Rate.....	146/week
• Monthly Rate.....	437/month
Vacuum Air Pump:	
• Daily Rate.....	116/day
• Weekly Rate.....	578/week
• Monthly Rate.....	1,733/month
Downhole Video Camera System.....	231/day
Weed Trimmer:	
• Daily Rate.....	29/day
• Weekly Rate.....	146/week
• Monthly Rate.....	437/month
Safety Equipment:	
• Tyvek Suit (each)	18/each
• Polyethylene suit (each).....	24/each
• Nitrile gloves (per pair).....	18/each
• PVC Gloves (per pair).....	18/each
• Rubber booties (per pair).....	18/each
• Organic Vapor Cartridges (per pair).....	24/each
• Organic Vapor/Acid Cartridges (per pair).....	29/each
• Cartridges pre-filters (per pair)	18/each

	Rate (\$)
Safety Equipment Continued:	
• Half face respirator (each).....	24/day
• Full face respirator (each).....	29/day
• Ventilator/manhole blowers	29/day
• Parachute harness	13/day
• Tripod:	
- Daily Rate	86/day
- Weekly Rate.....	432/week
- Monthly Rate	1,296/month
• SCBA.....	231/day

General Terms

1. Rates are in effect until April 30, 2024. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.

ATTACHMENT 3

Amendment No. 1 – Professional Services Agreement

SANTA FE SOLID WASTE MANAGEMENT AGENCY

AMENDMENT No. 1

PROFESSIONAL SERVICES AGREEMENT

SCS ENGINEERS

(Air Quality Permitting and Compliance Reporting Services and Engineering and Operation and Maintenance Services for the Landfill Gas Collection System – 2021)

This AMENDMENT No. 1 (the “Amendment”) to the PROFESSIONAL SERVICES AGREEMENT, dated November 18, 2021 (the “Agreement”), is made and entered between the Santa Fe Solid Waste Management Agency (“Agency”) and SCS Engineers (“Contractor”). The Amendment shall be effective as of the date this Amendment is executed by the Agency.

RECITALS

Under the terms of the Agreement, Contractor has agreed to provide engineering, operation, and maintenance services for the landfill gas collection system at the Caja del Rio Landfill (RFP No. '22/16/P).

Pursuant to Article 22, Amendment of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are acknowledged by the parties, the Agency and Contractor agree as follows:

1. SCOPE OF SERVICES

Article 1, Scope of Services of the Agreement is hereby amended to include the continuation of Tasks 1, 2 and 3 – Engineering, Operation and Maintenance Services for calendar year 2023 and Task 4 – Post-Submittal Services for 2021 Title V Renewal Application, and add Task 6 – Gas System Expansion Design as described in the Scope of Services attached hereto as Exhibit A.

2. COMPENSATION

Article 3, Compensation of the Agreement is hereby amended to increase the amount of compensation by a total of One Hundred Seventy-Nine Thousand One Hundred Forty-Eight

Dollars and No Cents (\$179,148.00) so that Article 3 reads in its entirety as follows:

A. The Agency shall pay to Contractor in full payment for services rendered, a sum not to exceed Three Hundred Thirty-Nine Thousand Eight Hundred Eighteen Dollars and No Cents (\$339,818.00), including applicable gross receipts taxes pursuant to the rates and fee schedule as contained in Exhibits B and C attached hereto.

DESCRIPTION	AMOUNT
ORIGINAL CONTRACT	\$160,670.00
AMENDMENT NO. 1	\$179,148.00
CONTRACT TO DATE	\$339,818.00

B. Contractor shall be responsible for payment of gross receipts taxes due to the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of reasonably detailed invoices describing the services performed. Compensation shall be paid only for services performed in accordance with the fee schedule set forth in the Scope of Services hereto attached in Exhibit A.

D. Detailed invoices containing reimbursement expenses shall be itemized

3. TERM AND EFFECTIVE DATE

Article 4, Term and Effective Date of the Agreement is amended to extend the term of the Agreement, so that Article 5 reads in its entirety as follows:

A. This Agreement shall be effective when signed by the Agency and terminate on November 18, 2023, unless it is terminated sooner pursuant to Article 6 of this Agreement.

B. Pursuant to the limitations on multi-term contracts for services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, this Agreement can be renewed annually, if agreed upon

by the Agency and Contractor.

4. AGREEMENT IN FULL FORCE

Except as specifically provided in this Amendment, the Agreement remains and shall remain in full force and effect, in accordance with its terms.

IN WITNESS WHEREOF, the parties have executed this Amendment as of the dates set forth below.

SANTA FE SOLID WASTE MANAGEMENT AGENCY:

Anna Hansen 11/17/22
Anna Hansen Date:
Chair, Joint Powers Board

ATTEST:

Katharine E. Clark 11/28/2022
Katharine E. Clark Date
Santa Fe County Clerk



CONTRACTOR:

Ryan Kuntz 11/21/2022
Ryan Kuntz, P.E. Date
Vice President/Satellite Office Manager
SCS Engineers

APPROVED AS TO FORM:

Nancy R. Long 11-18-2022
Nancy R. Long Date:
Agency Attorney

EXHIBIT A
Scope of Services

**EXHIBIT A – PROJECT DESCRIPTION AND SCOPE OF WORK
AIR QUALITY PERMITTING AND COMPLIANCE REPORTING SERVICES,
ENGINEERING, AND OPERATION AND MAINTENANCE SERVICES FOR
THE LANDFILL GAS COLLECTION SYSTEM AT
THE CAJA DEL RIO LANDFILL**

Project Description

This scope of services is to provide SFSWMA the following: Air Quality Permitting and Compliance Reporting Services, Engineering Services, and Operation and Maintenance Services for the Landfill Gas Collection System at the Caja Del Rio Landfill as set forth in the Request for Proposal (RFP #’22/16/P). This grouping of services consists of compliance-related services encompassing the landfill’s annual emissions inventory and other air-related work including Federal greenhouse gas (GHG) emissions reporting; Title V Permit reporting; New Source Performance Standards (NSPS) reporting; and National Emission Standards for Hazardous Air Pollutants (NESHAPS) reporting. It also includes operation and maintenance services (both routine and non-routine) for the gas collection and control system (GCCS).

Per the project approach provided to SFSWMA in the SCS Engineers (SCS) proposal dated October 18, 2022, and subsequent discussions with SFSWMA, SCS proposes to organize our work for 2023 services into the following tasks:

- Task 1 – Air-Related Reporting;
- Task 2 – Engineering On-Call Services;
- Task 3 – O&M Routine and Non-Routine Services;
- Task 4 – Post-Submittal Services (2021 Title V Renewal Application); and
- Task 6 – Gas System Expansion Design

Tasks 1 and 3 are updated with new budgets annually since these are ongoing, routine tasks. Task 2 is included for non-routine, unanticipated tasks that come up each year. Task 4 is included to respond any follow-up questions or comments from NMED pertaining to the Title V Renewal Application submitted in August 2021. No new gas system construction is anticipated to be needed during the 2023 period of this scope; however, we are including Task 6, related to the gas system expansion design. This would facilitate the bidding services and construction in Year 3 (2024) to avoid construction during winter months.

The following items are future tasks anticipated to be needed through the contract period, but not likely to be needed until 2024. As such, these will be fully priced and authorized in future amendments to this agreement:

- Task 7 – Bidding Support Services;
- Task 8 – Gas System CQA; and
- Task 9 – Title V Permit Renewal.

SCOPE OF WORK

Task 1 – Air-Related Reporting

Subtask 1.1 - NSPS, NESHAPs, and Title V Reporting

Task 1 includes services in calendar year 2023 related to required New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Title V reporting. It should be noted that the term “NSPS” in this task specifically refers to the requirements in 40 CFR 60, Subpart XXX. The term “NESHAPS” in this task specifically refers to the requirements in 40 CFR 63, Subpart AAAA. These NSPS and NESHAPS reports although requiring much of the same information, will be submitted in separate reports but concurrently. Reports will be submitted to NMED in April 2023 and in October 2023 for a total of four reports.

Under 40 CFR 60, Subpart XXX, liquids reporting is required annually under 40 CFR 60, §767(k) for any landfill that recirculates leachate or has within the last 10 years, or adds liquids to the landfill through a Research, Development, and Demonstration (RD&D) Permit. We understand SFSWMA recirculated liquids within the landfill waste mass and will require liquids reporting to NMED. As such, this task covers preparation and submittal of this report by no later than September 27, 2023.

The Title V reports document the facility's compliance with air-related regulatory and permit requirements contained in the Title V permit. Title V reporting requires reporting of compliance deviations semi-annually and certification of overall compliance with all air-related requirements in the Title V permit annually. For this Task, SCS will prepare the required Title V reports with supporting documents and reporting from Agency staff. For budgeting purposes, consistent with our approach in prior years, we have assumed that SFSWMA will provide any necessary information for SCS' use in preparing these reports. These reports will be submitted to NMED and EPA (Title V Annual Compliance Certification only) in April 2023 and in October 2023. Please note that the number of reports is expected to be three Title V Semi-Annual Reports and two Title V Annual Compliance Certifications due separate reports required for each Title V Permit following the approval of the Title V Renewal Application currently under review by NMED.

NSPS reporting requires documentation of the following per 40 CFR §60.767(f):

- All GCCS wellfield exceedances;
- A summary of quarterly surface scans;
- Documentation of any gas system expansions conducted during the reporting period;
- A summary of gas system downtime in excess of five days; and
- Any flare free-venting in excess of one hour.

As part of this task, SCS will keep track of each reporting period, and 30 days before the report is due, gather all required information from SFSWMA and SCS Field Services. SCS will then use this information to prepare the NSPS and NESHAPS report drafts for SFSWMA review. Upon approval, at SFSWMA's preference, SCS will upload these reports to NMED's Secure Extranet Portal (SEP) for SFSWMA to certify and submit.

***Deliverables:** Inclusive of ten (10) reports described above (2 NSPS, 2 NESHAPS, 1 Liquids, 3 Title V Semi-Annual, and 2 Title V Annual Reports). An electronic draft of each report will be provided to SFSWMA for review (a hard copy can be provided upon request). One final copy of each report will be provided for SFSWMA's records in addition to the appropriate copies for the Air Quality Bureau (AQB). In addition, all deliverables will be provided electronically in PDF format.*

Subtask 1.2 - Prepare New Mexico Emissions Inventory Reporting

SCS will prepare the calendar year 2022 emissions inventory for the Caja del Rio Landfill. This task also includes the emissions inventory for Buckman Road Recycling and Transfer Station (BuRRT). Like last year, these inventories, which will be filed online, are scheduled to be submitted by April 1, 2023. In preparation for this task, SCS will prepare a list of needed information for each facility. These lists will include everything SCS needs to calculate 2022 emissions, such as 2022 incoming waste quantities and specifics regarding equipment usage. Once this information has been obtained, SCS will prepare emissions estimation spreadsheets. Per our discussions with the AQB, GHG calculations will not be required since Federal reporting is prepared. However, SCS will compile and submit GHG emissions to AQB also if needed as part of this task for the landfill only.

To report these emissions, SCS will utilize the online format required by AQB, referred to as the Air Emissions Inventory Reporting (AEIR) tool. Following completion by SCS, we will work with SFSWMA to check and finalize the submittals to AQB as the certifier. PDFs of the emissions spreadsheets will be provided to SFSWMA and AQB, consistent with what has been done in the previous years.

This task will also include any assistance with fee forms sent to SFSWMA from AQB. Please note, however, that any emissions fees themselves are not included in this proposal.

Deliverables: PDF file of the emissions calculations. The reporting is electronic; however, SCS will also prepare sealed memorandum hard copies for SFSWMA files.

Subtask 1.3 - Federal Greenhouse Gas (GHG) Emissions Reporting Services

This task will address requirements regarding the Federal mandatory GHG reporting rules for calendar year 2022 GHG emissions and encompass the reporting event that is due to EPA by March 31, 2023. The proposed scope for this task includes the preparation and submittal of the required GHG emissions estimates and associated information required by the GHG reporting rule. As was completed this past March, online reporting will be used to file information related to the GHG reporting rule. It should be noted that this reporting is different from State of New Mexico emissions reporting requirements (although for GHG emissions, as of 2022, AQB accepts what is prepared for EPA).

The first step in the GHG calculation process will be to collect all required data from calendar year 2022 including waste intake values, and GCCS landfill gas flows and methane content. We typically obtain much of this data throughout the year. SCS will collect this data from SFSWMA and SCS Field Services to complete the required data set. Utilizing equations provided in the EPA rule, SCS will convert the required information that has been gathered into the required GHG emissions.

SCS will place the collected data as well as all calculations into a suitable format for SFSWMA's files prior to entering the information into the EPA-required reporting format. SCS will enter the landfill's data into an XML programming tool for uploading into EPA's e-GGRT system. Upon completion of the XML tool, SCS will work with the SFSWMA's Designated Representative to review and certify the data to EPA. SCS will also be available to assist in providing additional information that EPA might require. When the reporting has been completed, SCS will provide a memorandum including pertinent assumptions and a copy of the EPA printouts verifying that the reporting was completed. This memorandum will be sealed by a professional engineer registered in the State of New Mexico.

Deliverables: The reporting is electronic; however, as noted in this scope, SCS will prepare a sealed memorandum with EPA printout verification attached. Up to two hard copies of this memorandum will be provided to SFSWMA along with a PDF copy.

Task 2 – Engineering On-Call Services

Since other related engineering services may also be needed, this task is recommended and included. Services in this task, which would only be authorized on an as-needed basis by SFSWMA, may include general support items that might come up during the contract period. Examples of these types of services could be the following:

- Light field construction work or engineering design generally associated the gas system or emissions control, including the gas system; leachate/condensate management; Title V air permit-related items, or cover repairs for emissions control;
- Support as needed for any new air or emissions-related rules, inspections, or requirements from NMED or EPA;
- Support needed from the Agency to evaluate landfill gas-to-energy if requested or to help as needed with the development of any such opportunity; and
- Any air-related or greenhouse gas-related (carbon credit) work that might be associated with the Agency or its facilities.

Deliverables: Although the items to be covered under this task are associated with on-call services are to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.

Task 3 – O&M Routine and Non-Routine Services

Routine Services – Once a Month Basis

The wellfield be will monitored on a monthly basis per NSPS/NESHAPS requirements. During the past year, SCS has performed regular monthly monitoring of the 29 extraction wells currently in operation. The need for twice-a-month reading of these wells has not been necessary to date in 2022, as wells have been maintained within required operating parameters. However, we advise that the option to perform twice-a-month monitoring (initial monitoring and possibly monthly rechecks/adjustments) remain in the 2023 scope of work for availability if needed. Initial and second monthly readings (15day rechecks) are shown as two different line items in the fee estimate. Although not expected, SCS might recommend twice-a-month readings outside of NSPS/NESHAPS-related issues if the wellfield readings indicate that this level of monitoring and tuning is necessary due to such factors as: repeated exceedances, under-pull of the wellfield; temperature and pressure variations over the month; or other circumstances that warrant twice-a-month readings.

During the monthly visits, typical routine services for the wellfield will involve:

- Monitoring and adjusting the 29 extraction wells so that they meet NSPS/NESHAPS parameter requirements for temperature and pressure.
- Obtaining landfill concentrations of methane, oxygen, carbon dioxide, and balance gas at each extraction well, in addition to individual extraction well temperatures and pressures.
- Assuring that extraction wells are functioning properly and/or without damage; inspections will also ensure that there are no broken hoses, pipes, thermometers, sample ports, loose connections, air leaks, and/or condensate build-up in the wellheads or well sample ports.
- Performing inspections of condensate sumps to determine if they are functioning properly and are in good condition.
-

A Landtec GEM 5000 will be used to obtain LFG concentrations, extraction well temperatures, static pressure, well flow rates, and system pressure. Obtaining these parameters will ensure proper wellfield adjustments, in addition to compliance with NSPS/NESHAPS guidelines. Initial readings and adjusted readings for each well and the blower/flare station will be stored in the GEM 5000 for future upload to SCS eTools; SCS' online electronic data management tool. SFSWMA staff will be able to access this database. Since SCS eTools is an SCS' proprietary application, the use of SCS eTools will be provided subject to SCS Standard Technology Services Agreement terms.

If extraction wells do not adhere to NSPS/NESHAPS parameters (less than 145 °F and less than 0 pressure), adjustments to the wells will immediately be implemented to bring those wells back into compliance. Adjustments to the wells will also ensure compliance with the NSPS/NESHAPS requirements stipulating that some corrective action is made on non-compliant wells within 5 days of an exceedance(s). If non-compliant wells can immediately be corrected to meet NSPS/NESHAPS parameter(s), a 15-day recheck reading will not be required; however, if corrective action does not immediately correct the exceedances(s), SCS will re-monitor the wells within 15 days of the initial noncompliant reading. SCS will record at the blower/flare station all pertinent performance parameters such as:

- Flare temperature prior to and after wellfield adjustments have been made;
- LFG concentrations of methane, carbon dioxide, oxygen, and balance gas prior to and after wellfield adjustments have been made;
- Vacuum pressures and discharge pressure of the blower;
- Blower hours and vibration;
- Arrestor and knockout port differential pressures;
- Flare flow prior to and after wellfield adjustments have been made;
- Blower operating the GCCS at the time of the visit; and

- Other pertinent data required to maintain good operating conditions for the blower/flare station, and as required by the manufacturer.

SCS will monitor and inspect the blower, flare, and associated equipment. The inspections will involve, but not be limited to, the following items:

Any damage, leaks, or breaks in piping;

- Unusual noise/vibrations/functions; and
- Irregular readings of output equipment and/or electrical equipment.

Maintenance services for the flare, blower, and associated equipment as recommended by the manufacturer of the flare - John Zink Maintenance for the blower/flare station will include, but not be limited to:

Lubrication of the blower's (quarterly basis or sooner) motors as required by manufacturer;

- Periodic switching of the blowers (monthly basis);
- Draining condensate/fluids from the blower, flame arrestor, and other areas as noted by the John Zink O&M Manual (monthly basis unless specified by manufacturer otherwise);
- Checking that the continuous Yokogawa recorder is functioning properly (monthly basis);
- Recording propane tank levels and advising landfill staff of levels (monthly basis);
- Proper functioning of the Variable Frequency Drive (monthly basis);
- Proper functioning of the control panel and electronics (monthly basis);
- Other maintenance items as required by the John Zink O&M Manual for blower/flare station (time interval varies by equipment and manufacturer);
- Isolation and wellhead valves will be rotated fully to open and closed positions, to ensure valves are not "stuck in place" (quarterly basis);
- Flame arrestor cleaning (typically annually or an increase in differential pressure occurs);
- Thermocouple testing (as required by manufacturer) and cleaning, as required;
- Ultraviolet scanners inspection (quarterly or as required by manufacturer) and cleaning, as necessary;
- Igniter's inspection (as required by manufacturer) and cleaning, as required; and
- Electrical/pneumatic inspection where needed.

In addition to routine maintenance, SCS will be responsible for providing necessary labor, equipment, and tools to repair and/or replace defective equipment as needed. Prior to replacement or repair of the equipment, SCS will advise SFSWMA of problems and discuss, requesting advice from the manufacturer regarding warranties on the equipment in question.

All maintenance, calibrations, and repairs performed by field staff will be recorded in a field log book for reference. The field log book will be kept in the GCCS control panel. Data from the continuous recorder, which records flow, temperature, and pressure, will be downloaded into electronic files submitted to SFSWMA and their designated agents. All collected data collected from the wellfield, blower/flare station, continuous GHG monitor, and any noted problem areas along with recommendations will be submitted to SFSWMA within 48 hours of data collection. A monthly report detailing the past month's activities, all collected data, and recommendations on problem areas/equipment will be submitted by the last day of the following month. All data required to adhere to the work practice standards (NESHAPS requirement) that occurred during the month will be noted on appropriate forms, and will be included in the monthly report submitted to SFSWMA.

SCS' approach to providing routine services is to collect data pertaining to the blower/flare station prior to making wellfield adjustments. This allows field staff to determine if the blower/flare station is functioning properly, and to identify problems that may be occurring in the wellfield. We feel that this approach is advantageous because, if the blower/flare station is not operating properly, the wellfield will not be "performing" as usual and adjustments to wells

will be difficult to make and/or many wells could also have NSPS/NESHAPS compliance issues. One example involves higher than normal vacuum. Wells would be “over-pulled” as a result of this higher vacuum. If this condition (“overpulling”) is not immediately identified and investigated, change to the health of the collection system could be degraded and potentially more serious conditions may develop such as oxygen infiltration into the waste mass which could result in Sub-Surface Oxidation Events (SSOs). The disadvantage of this approach is there could be more time spent at the site if there are no problems at the blower/flare station, but this time would be offset if there were problems and they were not taken care of prior to wellfield adjustments.

After the blower/flare station is inspected and required data are obtained, the field technician will read the wellfield and make adjustments as necessary to each wellhead. As the technician obtains readings at each wellhead, they will inspect the well for leaks, damage, condensate, and other possible problems. Moving from well to well, the technician will also inspect and note the condition of the three condensate sumps and any exposed piping.

Once the wellfield is read, the technician will then return to the blower/flare station and record the necessary final data such as methane, oxygen, carbon dioxide, balance gas, inlet temperature, static pressure, flare temperature, and flow based on the completed wellfield readings. These parameters allow the technician to determine whether adjustments increased the efficiency of the system, and whether the system continues to operate efficiently.

Once the technician completes wellfield adjustments and collects all data from the blower/flare station, they will then perform maintenance for the month or quarter that is required for specific equipment. On a monthly basis, the technician will switch blowers so that each blower receives equal duty time. Any needed repairs can also be performed at this point, if they are not completed prior to monitoring and adjustment of the wellfield.

Surface Emissions Monitoring

SCS will perform Surface Emissions Monitoring (SEM) using a Landtec SEM5000 Portable Methane Detector, including around penetrations as defined in 40 CFR 60, Subpart XXX and 40 CFR 63, Subpart AAAAA. The technician will walk the entire area of the landfill that is subject to NSPS/NESHAPS regulations (basically, where landfill materials are 5 years in age - in the area where extraction wells are located) at 30-meter spacing in a grid pattern. The SEM5000 would be calibrated prior to monitoring. Any areas where methane is detected at concentrations over 500 ppm will be immediately flagged, numbered, and marked on a site map. After the technician has finished walking the area, he will immediately contact SFSWMA staff to indicate where high concentrations of methane are located. The technician will assist SFSWMA staff in remediating these areas so that emissions are less than 500 ppm. Remediation is usually accomplished by placing more cover materials over the surface, and/or by increasing vacuum at nearby extraction well(s).

Where surface emissions have exceeded 500 ppm, the area will need to be re-evaluated within 10 days (usually performed the same day of the exceedance) and again in 30 days. SCS would perform this service during the monthly wellfield tuning/adjustment events. After the 30-day re-checks and concentrations below 500 ppm have been obtained, SCS will provide all the collected data in the corresponding monthly report that details the findings of the surface emissions monitoring event. The report will contain all pertinent data derived from monitoring, along with associated site plans and the locations of any exceedances.

Deliverables: Hard copy O&M reports will be provided to SFSWMA monthly GCCS and SEM monitoring reports will be provided quarterly.

Non-Routine Services

Non-routine work will consist of repair and/or replacement of equipment that can be scheduled in advance and does not consist of emergency services. Non-routine work can range from minor repairs, such as broken wellheads, to complete overhaul of equipment components. In an example of a broken wellhead, SFSWMA staff can disconnect

the well from the GCCS system by capping the broken ends. The GCCS will continue to operate with the remainder of the wells online. SCS can schedule repair of the well during our next trip to the site, or we can arrange with SFSWMA to visit the site sooner. Either arrangement would allow SCS to schedule repairs and obtain necessary materials/equipment to fix the broken wellhead within an agreed time interval.

In addition, non-routine work may also consist of recommendations made by SCS concerning the efficiency of the collection system. These special assignments will be authorized and prioritized by SFSWMA before any work is performed.

Once SFSWMA has identified a repair or special assignment that it desires SCS to perform, SCS will provide SFSWMA with a schedule and associated fees to complete the assignment within a time frame that is mutually agreeable to SFSWMA and SCS. No work will be performed until SFSWMA has authorized the work. Once authorization has been received via written communication (email is acceptable), SCS will obtain all necessary equipment, tools, and materials needed to complete the task. SCS recommends that these non-routine events occur during normal routine visits to the site (i.e. during wellfield tuning events). The obvious advantage of this approach is cost savings. A disadvantage would be the GCCS not operational for a longer period of time, if the non-routine service involved a major operational component. SCS will make recommendations to SFSWMA on the severity of the problem and discuss timing factors in order to make a decision on how to handle a major nonroutine service.

Repair/replacement of any HDPE pipe will most likely be with an SCS field technician. SFSWMA will be provided a scope of work and cost estimate information, prior to repair of the HDPE, to obtain SFSWMA approval for the proposed work. Once notice to proceed has been obtained from SFSWMA, the repair work will be scheduled. SCS will also schedule the repair work during a routine visit to the site, if possible, in order to keep costs to a minimum.

Unscheduled Non-routine Emergency Services

SCS can provide unscheduled non-routine emergency services when conditions require immediate response and the restoration of GCCS operations. These are services that can be minor or major in nature and require restart of the GCCS. The urgent nature of these items is such that response to them cannot be scheduled during routine or non-routine services. Within a few hours after an alert from SFSWMA staff and/or the GCCS auto dialer, SCS staff can respond to these emergencies 7 days a week.

During an emergency event, the Field Services Project Manager and/or other SCS staff can assess problems and provide immediate assistance. If a problem is major, SCS will contact SFSWMA, describe the event, and make recommendations to remedy the situation. During these types of emergencies, SCS will only perform work required at the time, to ensure no safety hazards exist and/or to provide for the restart of the GCCS. Once these hazards have been resolved and the GCCS is operational again, we will provide repairs based on routine or non-routine scheduled service procedures.

Task 4 – Post-Submittal Services (2021 Title V Renewal Application)

This task is to cover the following services that may be required due to the submittal of the Title V renewal application submitted to NMED in August 2021. Follow-up services may include the following:

- Follow-up with NMED to address application questions;
- Post-submittal services related to EPA review and comments on the application;
- Review of the draft permit application that will be prepared by NMED; and
- Participation in or preparation for a hearing (not likely to be needed).

These services will likely be required in 2023 year as NMED did not complete the review process in 2022. As such, this task, while expected to be in Year 1 of this contract originally, is being extended into Year 2.

Deliverables: Although the items to be covered under this task are on an as-needed basis to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.

Task 6 – Gas System Expansion Design

Waste in future cells not covered by the current landfill gas collection and control system (GCCS) will have been in place in excess of 5 years during the contract period. Per the current federal NSPS/NESHAPS Rules for landfills, gas collection from Cell 6B will be required by March 2025. For this task, SCS will prepare bid-level plans and specifications for the expansion of the GCCS into Cell 6B as required by the NSPS/NESHAPS rules. This design will conform to the GCCS Design Plan and the layout prepared as described in the Master Plan Document. The construction plans will be comprehensive and include, at a minimum, the following plan sheets:

- Cover Sheet;
- Existing Conditions;
- LFG Collection System Layout Plan;
- Extraction Well Details, including Well Schedule;
- Pipe and Valve Details;
- Condensate Management Details; and
- Survey Control.

It is assumed that the most recent survey of the landfill at the time of performing this task will be sufficient for development of the construction plans. However, should updates to the survey be necessary, we will advise SFSWMA of the area requiring an updated survey for design purposes. Additionally, our specifications will require a pre-construction survey at the well locations to confirm well depths, and based on this pre-construction survey, well depths will be adjusted accordingly by SCS' engineer. Necessary pre-construction surveys will be performed under Task 8.

SCS will prepare bid documents and specifications for this construction project. Bid items will be clearly identified. Consistent with prior bid documents prepared by SCS, we have assumed that "frontend" bid documents and standards will be provided to SCS for inclusion into the bid documents and specifications, including but not limited to, invitation to bid, instructions to bidders, bid proposal forms, bond forms, general and supplemental conditions, and other necessary standard forms for bidding purposes. In addition to SCS' standard specifications for "General Requirements," (i.e., measurement and payment, health and safety, meetings, environmental protection, submittals, etc.), it is anticipated that the following technical specifications will be prepared for this project:

- Layout of work and surveying;
- Excavation, trenching, backfilling, and grading;
- LFG extraction wells and wellheads (including well drilling, bentonite, and aggregate backfill);
- High density polyethylene pipe, fittings, and valves (including materials, installation, and testing); and
- Condensate management system (includes pump and sump, if required).

During the preparation of technical specifications, SCS will review all local permits that may be necessary so that those requirements may be incorporated into the construction documents. During this effort, SCS will also consider the required timeframes for any of these authorizations and emphasize any of these items that may become a critical path item during construction.

SCS will also prepare a detailed estimate of probable cost of construction. SCS will perform the necessary quantity take-offs for line items included in the scope of work for the project. Line items for this project will include such items as: mobilization/demobilization, surveying, well installation, piping installation, perimeter header, and

condensate sump installation (if required). The engineer's estimate of probable cost of construction will be supported by quantity estimates for each line item.

This task has been included in Year 2 to facilitate construction outside of winter months at the end of Year 3 and beginning of Year 4. Unless otherwise requested by SFSWMA, SCS will begin this work starting in September/October of 2023 following a notice-to-proceed by SFSWMA for this task. If this task is not utilized in Year 2, it will be performed in Year 3.

Deliverables: Electronic copies will be provided of all bid documents, construction plans and specifications, engineer's estimate, and construction documents for SFSWMA files along with printouts (up to 6 hard copies of the construction documents). All deliverables will be provided electronically via PDF.

SCHEDULE FOR AUTHORIZED TASKS 1 THROUGH 4 AND 6

The final page of this exhibit contains a project schedule. This schedule is discussed here. Although the tasks in this proposal are interrelated, since many of the tasks stem from different regulatory requirements or sections within the same rule, the dates presented are relatively independent from one another, as are the deliverables. Also, each of these tasks is of a relatively short duration and, as such, interim milestones are minimal.

Task 1 – Annual NSPS, NESHAPS, and Title V Reporting are shown as being completed around the previously set reporting dates of April 30th and October 30th. Federal Greenhouse Gas (GHG) Emissions Reporting Services will begin at the start of 2023. Data will be collected, processed, and emissions calculation prepared. In March 2023, the emissions results will be entered into e-GGRT for final reporting to EPA. Emissions Inventory Reporting is shown as being completed in February and March for submittal by April 1, 2023, which is the current deadline for this reporting that has been set by NMED.

Task 2 – On-call services will be performed on an as-needed basis.

Task 3 – Various routine O&M services will occur on a regular schedule with routine services for the wellfield (once or twice monthly), and surface emissions/opacity monitoring quarterly. Non-routine services may be needed at any time.

Task 4 – Post-Submittal Services for the 2021 Title V Renewal Application will be performed on an asneeded basis and is based on NMED's comments and requests during the review until the renewal has been approved.

Task 6 – Gas system expansion design services will commence in September/October and be completed in November 2023, unless otherwise directed by SFSWMA to postpone this work until Year 3.

SCOPE FOR FUTURE TASKS

Task 7 – Bidding Support Services

This task will include bidding support to SFSWMA during the bidding-phase of the GCCS expansion construction project. Services to be provided shall include the following:

- Attendance by SCS at a pre-bid conference for the project.
- Technical support to SFSWMA procurement to respond to written comments and questions from bidders.
- Addenda will be issued, if necessary, to all plan holders.
- Review of contractor qualifications, as necessary, to verify pre-qualification requirements in bid documents.
- Review and compilation of bids, and submittal of award recommendation to SFSWMA.

This task will also include fees for air travel expenses, hotel, and rental car for attendance at the prebid conference.

Deliverables: Meeting minutes from the pre-bid conference, any written responses to bidder questions, addenda (if necessary), an engineer's memorandum with comments and a recommendation regarding the bidder's qualifications (if necessary), and an engineer's memorandum with comments and award recommendation. All deliverables will also be provided electronically in MS-Word and AutoCAD, as necessary.

Task 8 – Gas System CQA

This task will cover construction quality assurance (CQA) services the Agency will need for the GCCS expansion construction during the contract term. It is understood that the duration and level of CQA Services will be directly proportional to the construction schedule and the role that SCS is responsible for during construction.

Subtask 8.1 – Pre-Construction Topographical and LFG Extraction Wells Survey

The specific survey services to be provided for this subtask are as follows:

- SCS will provide a pre-construction topographical survey of GCCS expansion area, if necessary, to confirm landfill gas (LFG) extraction well and piping locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm topographic grades of the landfill for the GCCS expansion.
- The pre-construction topographical survey will be reviewed by SCS and the construction plans modified as necessary to accommodate existing grades prior to construction.
- SCS will provide a pre-construction survey of the proposed landfill gas (LFG) extraction well locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm ground surface elevations of the LFG extraction wells.
- This pre-construction survey of the proposed LFG extraction wells will be reviewed and approved by the Certifying Engineer who is a Professional Engineer registered in the State of New Mexico. The surface elevations obtained for the well locations will be used to develop the issued-for-construction well schedule for the project.

Deliverables: Electronic copies will be provided of the modified construction plans (if necessary), and issued-for-construction well schedule for SFSWMA files along with printouts (up to 3 hard copies of the revised construction plans). All deliverables will be provided electronically via PDF.

Subtask 8.2 – Field CQA Services for LFG Extraction Well and Piping Installation

This subtask includes the field CQA services required during the LFG extraction system expansion. SCS will provide a qualified CQA technician to be onsite during LFG extraction well and piping installation.

The specific services to be provided during LFG extraction well installation are as follows:

- SCS' inspector will be on-site daily during well drilling and installation to log the wells and note any proposed relocation due to obstructions, liquid levels, etc.
- SCS' inspector will document construction activities through field notes and/or photographs and significant events (including weather delays) on a daily basis. Significant changes in quantity and time will be recorded.
- SCS' inspector will prepare extraction well boring logs and installation records, which will be included in the construction documentation report, as described in Subtask 8.4.

The specific services to be provided during LFG piping installation are as follows:

- An SCS inspector will be on-site daily during installation and testing of LFG collection and condensate management piping.
- Observe the installation of lateral/header piping and condensate management system components, including condensate sumps, piping, and valves.
- Documentation and observation for conformance with the construction plans and specifications:
- Review, observe, and document pneumatic pipe pressure testing.
- SCS' inspector will provide record location and elevation surveys of installed components and verify proper slopes and depths of piping prior to burial, as necessary, consistent with the construction plans and specifications. This work will be completed with GPS survey equipment. The survey equipment and inspector will be capable of inverting slopes in the field to provide immediate verification of pipe slopes to the Contractor. The survey equipment will be available for use on-site during all times that construction activities are ongoing.
- Conduct walk-through of the project at substantial completion and provide a punch-list for completion.

SCS assumes that this subtask will require daily observation. As such, the above services for Subtask 8.2 will require SCS' inspector (i.e., CQA Technician) to be on-site for 10 hours/day, Monday through Saturday over the construction duration. For this subtask, SCS will also include fees for expenses such as, CQA field vehicle, meals at per diem, lodging, and survey equipment.

Subtask 8.3 – Project Management during LFG Collection System Expansion

This subtask includes overall project management and oversight by a Professional Engineer registered in the State of New Mexico during the entire project, including extraction well, collection piping, and condensate management system installation. The specific services to be provided for this subtask are as follows:

- Reviewing Contractor's applications for payment.
- Reviewing Contractor's layout of work survey and confirming enough slope is available for piping/making adjustments as needed.
- Reviewing and processing Contractor's submittals.
- Coordinate interpretations of construction plans and specifications and respond to request-for-information.
- Telephone calls among the SCS project manager, the Contractor, and SCS' on-site inspector to answer questions and resolve issues.
- Evaluating Contractor's change order proposals (if any).
- Maintain files for correspondence, reports, photographs, requests-for-information or clarifications, and other construction project related documentation.
- Document construction activities and significant events (including weather delays) on a daily basis. Significant changes in quantity, time, or cost will be recorded.
- Conformance testing of well aggregate, including gradation (ASTM C136) and percent calcium carbonate (JTL-S-105-89) consistent with the technical specifications.

- Certifying Engineer or qualified representative will perform onsite inspections/meetings during the project, including a pre-construction meeting, intermediate meetings/inspections; and a final inspection/walkthrough at substantial completion.

In addition to onsite inspections/meetings, SCS has assumed up seven (7) hours per week over the construction duration will be sufficient for the services provided in this subtask.

Subtask 8.4 – Construction Documentation Report

This task includes preparation of a construction documentation report. This report will include record drawings and surveys, including surveying of extraction wells, piping at 50-foot intervals or less for pipe inflections, fittings, and valves, and other infrastructure installed during the course of the project. The construction report will include a project overview, record survey, results of lab and field testing, LFG extraction well boring logs and installation records, daily reports, and photographs taken during construction. The narrative portion of the report will list project participants, construction milestone dates, and provide a description of issues encountered during construction or areas that may warrant attention in the future.

Deliverables: Up to 3 hard copies of the Construction Documentation Report for the GCCS construction project will be provided, including all documentation collected during construction as described in Subtasks 8.2 and 8.3. All deliverables will also be provided electronically via MS-Word and PDF, as necessary.

Task 9 – Title V Permit Renewal

The current Title V permit became effective on August 30, 2017, and a renewal application was required four years from that date (by August 30, 2021). The Title V Renewal Application was submitted prior to August 30, 2021 and is still currently under review by NMED. This task is to cover the preparation of a subsequent renewal application once the timeline of the next required renewal deadline is confirmed (i.e., one year earlier than the next permit's expiration date). For this task, SCS will work closely with Air Quality Services, Inc. (AQS) based in Santa Fe, as they are available when the renewal is required.

As an initial task for this work, SCS will prepare a list of needed information from SFSWMA. This information needs list will include everything SCS needs to prepare the renewal application. SCS will then prepare the application to renew the Title V permit. This renewal application will contain NMED's appropriate forms; currently the universal application parts one, two, three, and four. During preparation of the application, SCS will work with SFSWMA to verify the different emission sources that must be included, and to update this information where these sources might differ from what is currently permitted. Title V permit renewals do not require fees and, as such, no permitting fees are included in this proposal.

Upon completion of a draft application, SCS will transmit a draft to SFSWMA for review, comment, and Responsible Official signature. Upon receipt of comments, SCS will prepare final copies for submittal to the proper regulatory agencies, as well as copies for the SFSWMA. SCS will then transmit the application to the SFSWMA for submittal to the NMED, or we may submit it on your behalf, as you approve.

In addition to the above scope of work, this task may cover the following services after the submittal of the Title V renewal application to NMED. Follow-up services may include the following:

- Follow-up with NMED to address application questions;
- Post-submittal services related to EPA review and comments on the application;
- Review of the draft permit application that will be prepared by NMED; and
- Participation in or preparation for a hearing (not likely to be needed).

These follow-up submittal services will likely fall into the next 4-year contract period. However, if any of these services are required, SCS may prepare a separate amendment for your consideration.

Deliverables: Electronic copies will be provided of all application components for SFSWMA files along with printouts (up to 6 hard copies of the renewal application). All deliverables will also be provided electronically via PDF.

EXHIBIT A - PROJECT SCHEDULE (AUTHORIZED TASKS ONLY)
2023 AIR COMPLIANCE/O&M SERVICES FOR THE
CAJA DEL RIO LANDFILL

Task	Date												
	2022	2023											
	D	J	F	M	A	M	J	J	A	S	O	N	
1 - Annual NSPS, NESHAPs, and Title V Reporting, XXX Liquids Reporting, NM Emission Inventory, & GHG Reporting													<= Prepare NM Emissions Inventories and GHG Emissions by March 31, 2023. Prepare NSPS/NESHAPS/TV Reports by April 30 and October 30, 2023. Liquids reporting due by September 28, 2023.
2 - Engineering On-Call Services													<= Perform additional services tasks as needed.
3 - O&M Routine Services													<= Perform once a month (twice if needed).
3 - O&M Surface Emissions Monitoring													<= Perform quarterly.
3 - O&M Non-Routine Services													<= Perform as-needed.
4 - Post-Submittal Support Services (2021 Title V Renewal Application)													<= Perform as-needed.
6 - Gas System Expansion Design													

EXHIBIT B

Task Fees

Exhibit B. Rates and Not-to-Exceed Fees
2023 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 1 - Air-Related Reporting				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	2	\$460.00
Project Manager 2	\$185.00	hours	9	\$1,665.00
Project Manager 1	\$175.00	hours	25	\$4,375.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$130.00	hours	91	\$11,830.00
Secretarial/Clerical	\$75.00	hours	12	\$900.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$300.00	lump sum	1	\$300.00
Subtotal Less Gross Receipts Tax				\$20,090.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 1				\$20,090.00

Task 2 - Engineering On-Call Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	10	\$2,300.00
Project Manager 2	\$185.00	hours	14	\$2,590.00
Project Manager 1	\$175.00	hours	12	\$2,100.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$130.00	hours	40	\$5,200.00
Secretarial/Clerical	\$75.00	hours	6	\$450.00
Expenses				
Telephone/Fax/Postage	\$20.00	lump sum	1	\$20.00
Reproduction	\$40.00	lump sum	1	\$40.00
Subtotal Less Gross Receipts Tax				\$12,960.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 2				\$12,960.00

Task 3 - O&M Services					
Routine - Services	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Wellfield Reading (Initial Tuning)	\$2,415.00	lump sum	1	12	\$28,980.00
Wellfield Reading (15-day recheck if required)	\$1,500.00	lump sum	1	12	\$18,000.00
Quarterly Maintenance (blower flare station)	\$630.00	lump sum	1	4	\$2,520.00
Liquid Level Measurements (LL)	\$0.00	lump sum	1	0	\$0.00
Surface Emissions Monitoring (SEM)	\$1,700.00	lump sum	1	4	\$6,800.00
Reporting (O&M, SEM, SSMs)	\$1,500.00	lump sum	1	12	\$18,000.00
Subtotal Less Gross Receipts Tax					\$74,300.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$3,808.38
Subtotal Task 3 - Routine Services					\$78,108.38
Non-Routine Services (Scheduled and Unscheduled Services/Emergencies)					
	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Non-Routine/Emergency Services	\$40,000.00	lump sum	1	1	\$40,000.00
Subtotal Less Gross Receipts Tax					\$40,000.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$2,050.00
Subtotal Task 3 - Non-Routine Services					\$42,050.00
Total Task 3					\$120,158.38

NOTES:

Routine O&M Services are lump sum.

Non-routine O&M services are based on time-and-materials NTE.

Exhibit B. Rates and Not-to-Exceed Fees
2023 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 4 - Post-Submittal Services (2021 Title V Permit Renewal)				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	1	\$230.00
Project Manager 2	\$185.00	hours	4	\$740.00
Project Manager 1	\$175.00	hours	20	\$3,500.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$130.00	hours	10	\$1,300.00
Secretarial/Clerical	\$75.00	hours	2	\$150.00
Expenses				
Telephone/Fax/Postage	\$100.00	lump sum	1	\$100.00
Reproduction	\$100.00	lump sum	1	\$100.00
Subtotal Less Gross Receipts Tax				\$6,380.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 4				\$6,380.00

Task 5 - GCCS Design Plan Amendment (AAAA Update)				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	0	\$0.00
Project Manager 2	\$185.00	hours	0	\$0.00
Project Manager 1	\$175.00	hours	0	\$0.00
CAD Designer	\$130.00	hours	0	\$0.00
Staff Professional 3	\$130.00	hours	0	\$0.00
Secretarial/Clerical	\$75.00	hours	0	\$0.00
Expenses				
Telephone/Fax/Postage	\$125.00	lump sum	0	\$0.00
Reproduction	\$125.00	lump sum	0	\$0.00
Subtotal Less Gross Receipts Tax				\$0.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 5				\$0.00

Task 6 - Gas System Expansion Design				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$230.00	hours	8	\$1,840.00
Project Manager 2	\$185.00	hours	0	\$0.00
Project Manager 1	\$175.00	hours	32	\$5,600.00
CAD Designer	\$130.00	hours	60	\$7,800.00
Staff Professional 3	\$130.00	hours	24	\$3,120.00
Secretarial/Clerical	\$75.00	hours	4	\$300.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$600.00	lump sum	1	\$600.00

Exhibit B. Rates and Not-to-Exceed Fees
2023 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Subtotal Less Gross Receipts Tax	\$19,560.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)	\$0.00
Subtotal Task 6	\$19,560.00

SUMMARY OF TASK TOTALS

Task 1 - Air-Related Reporting Total	\$20,090
Task 2 - Engineering On-Call Services Total	\$12,960
Task 3 - Routine O&M Services Total	\$78,108
Task 3 - Non Routine O&M Services Total	\$42,050
Task 4 - Post-Submittal Services (2021 Title V Permit Renewal) Total	\$6,380
Task 5 - GCCS Design Plan Amendment (AAAA Update) Total	\$0
Task 6 - Gas System Expansion Design Total	\$19,560
GRAND TOTAL	\$179,148

EXHIBIT C
Fee Schedule

SCS ENGINEERS

FEE SCHEDULE

(Effective December 1, 2021 through November 30, 2022)

Management/Support Personnel	Rate (\$)/Hour
CQA Technician	75
Project Administrator	75
Secretarial/Clerical	75
CAD Draftsperson	85
Senior Project Administrator	90
Technician	95
Associate Staff Professional	105
Sr. Technician.....	105
Office Service Manager	115
Staff Professional I	120
Staff Professional II	125
Staff Professional III.....	130
CAD Designer	130
Project Professional I	140
Project Professional II	145
H&S Specialist	150
CQA Manager	170
Project Professional III.....	170
Project Manager I.....	175
Project Manager II.....	185
Project Director I	205
Project Director II	220
Satellite Office Manager	230
Principal.....	230
SCS Field Services - Technical Field Personnel	
Laborer	65
Fusion Technician	85
Technician	85
Senior Technician	115
Superintendent	125
Senior Superintendent	150
Field Compliance Officer	172

General Terms

1. Labor rates are in effect until November 30, 2023. Any work performed after that date is subject to a new Standard Fee Schedule.
2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up. Automobile mileage cost is \$0.72 per mile and is subject to change per Federal IRS laws. Trucks will be charged at \$18.00/hour to a maximum of \$144 per day. (No administrative mark-up will be applied to charges for company owned vehicles).
3. Payment of SCS Invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amount past due and owing on client's account.
4. Invoices will be prepared monthly for work in progress, unless otherwise agreed.
5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.
6. On short-term or one-time assignments, services which require less than eight (8) hours, but more than four (4) hours, will be billed at eight (8) hours. A minimum of four (4) hours will be billed for any service requested which is not conducted in conjunction with an ongoing project (including call-outs after normal work hours), and will be charged portal-to-portal from SCS Field Services offices.
7. These rates are based on non-union, non-prevailing wage scales.
8. For long-term on-site project assignments, rates may be discounted on an individually negotiated basis. Long-term on-site personnel are permitted to return home every four (4) weeks. Travel expense shall be invoiced to the client at cost plus 15 percent.
9. Costs for equipment and analysis will be billed in accordance with the rates contained on SCS Field Services Standard Fee Schedule for Equipment and Analysis.

FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
 (Effective December 1, 2021 through November 30, 2022)

	Rate (\$)
GEM 2000 NAV/5000 NAV/Envision Gas Analyzer(s):	
• Daily Rate.....	198/day
• Weekly Rate.....	990/week
• Monthly Rate.....	2,970/month
Gazoscan Kit	
• Daily Rate.....	200/day
• Weekly Rate.....	1,000/week
• Monthly Rate.....	3,000/month
GEM 5000 w/H₂S/CO	
• Daily Rate.....	214/day
• Weekly Rate.....	1,070/week
• Monthly Rate.....	3,210/month
SEM 500/TVA 2020/TDL 500/ Site FID Emissions Monitor/Irwin Inficon SEM:	
• Daily Rate.....	214/day
• Weekly Rate.....	1,070/week
• Monthly Rate.....	3,210/month
Q Rae Gas Analyzer O₂/H₂S/CO/Combustibles	54/day
Micro Max Gas Analyzer O₂/H₂S/CO/COI Combustibles	54/day
4 Gas Meter.....	54/day
Magnehelic Pressure Meter	12/day
Digital Readout Thermocouple.....	27/day
Dewatering Pump (Trash Pump)	48/day
Dräger Detector Tubes/Pump.....	22/each
MiniRae 2000/3000 PID:	
• Daily Rate.....	161/day
• Weekly Rate.....	805/week
• Monthly Rate.....	2,415/month
RKI Eagle II:	
• Daily Rate.....	161/day
• Weekly Rate.....	805/week
• Monthly Rate.....	2,415/month

Rate (\$)

Air Sampling Station:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate..... 810/month

Pipe Laser:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate..... 810/month

PAS 3000 Personal Air Sampling Pump 27/day
 Tedlar Bag (10-Liter) 43/each
 Sample Flow Controller/Tier II Gauge.....45/day
 Non-Contaminating Air Sampling Pump 27/day
 Interface Probe.....54/day

Handheld GPS:

- Daily Rate 27/day
- Weekly Rate 135/week
- Monthly Rate..... 405/month

Submersible Pump:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate..... 810/month

Water Level Indicator:

- Daily Rate 22/day
- Weekly Rate 110/week
- Monthly Rate..... 330/month

Water Level Meter w/Temperature:

- Daily Rate 48/day
- Weekly Rate 240/week
- Monthly Rate..... 720/month

100-Foot Temperature Probe:

- Daily Rate 17/day
- Weekly Rate 85/week
- Monthly Rate..... 255/month

Teflon Well Bailer 27/each
 Vacuum Box/Carbon Canister and Blower 161/day
 Tool Truck 22/hour

Rate (\$)

No. 14 P.E. Fusion Machine (1"-4"):

- Daily Rate..... 118/day
- Weekly Rate.....590/week
- Monthly Rate..... 1,770/month

No. 26 P.E. Fusion Machine (2"-6"):

- Daily Rate..... 145/day
- Weekly Rate.....725/week
- Monthly Rate..... 2,175/month

No. 28 P.E. Fusion Machine (2"-8")

- Daily Rate..... 193/day
- Weekly Rate.....965/week
- Monthly Rate..... 2,895/month

No. 412 P.E. Fusion Machine (4"-12"):

- Daily Rate..... 295/day
- Weekly Rate..... 1,475/week
- Monthly Rate..... 4,425/month

No. 618 P.E. Fusion Machine (6"-18"):

- Daily Rate..... 509/day
- Weekly Rate..... 2,545/week
- Monthly Rate..... 7,635/month

No. 824 P.E. Fusion Machine (8"-24"):

- Daily Rate..... 1,017/day
- Weekly Rate..... 5,085/week
- Monthly Rate..... 15,255/month

Trackstar 500 Fusion Machine

- Daily Rate..... 455/day
- Weekly Rate..... 2,275/week
- Monthly Rate..... 6,825/month

Sidewinder Fusion Machine

- Daily Rate..... 161/day
- Weekly Rate.....805/week
- Monthly Rate..... 2,415/month

Rate (\$)

Electrofusion Processor Machine:

- Daily Rate 188/day
- Weekly Rate 940/week
- Monthly Rate 2,820/month

Leister Extrusion Welding Gun	161/day
Air Compressor	65/day
Arc Welder	80/day
Generator (3,500-Watt)	65/day
Generator (5,000-Watt)	80/day
Generator (6,000-Watt)	85/day
Generator (8,000-Watt)	90/day

Isolation Pinch-off Tool (1"-4"):

- Daily Rate 43/day
- Weekly Rate 215/week
- Monthly Rate 645/month

Isolation Pinch-off Tool (2"-8"):

- Daily Rate 65/day
- Weekly Rate 325/week
- Monthly Rate 975/month

Isolation Pinch-off Tool (8"-12"):

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate 1,605/month

4-Wheeler (ATV/UTV):

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate 810/month

4-Wheeler with 44" Mow Deck:

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate 1,605/month

Riding Mower:

- Daily Rate 188/day
- Weekly Rate 940/week
- Monthly Rate 2,820/month

Chain Saw:

- Daily Rate 12/day

Rate (\$)

- Weekly Rate 60/week
- Monthly Rate.....180/month

Horiba Water Quality Meter:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate..... 810/month

Hydrogen Sulfide Meter:

- Daily Rate 204/day
- Weekly Rate 1,020/week
- Monthly Rate..... 3,060/month

Infrared Thermometer:

- Daily Rate 12/day
- Weekly Rate 60/week
- Monthly Rate..... 180/month

Micropurge Flow Cell (Groundwater):

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate..... 1,605/month

Oilless Compressor and Control Box (Groundwater):

- Daily Rate 80/day
- Weekly Rate 400/week
- Monthly Rate..... 1,200/month

Earth/Resistance Tester:

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate..... 1,605/month

Pitot Tube and Gauges:

- Daily Rate 12/day
- Weekly Rate 60/week
- Monthly Rate..... 180/month

Pressure Washer:

- Daily Rate 54/day
- Weekly Rate 270/week

	Rate (\$)
• Monthly Rate.....	810/month

Turbidity Meter/Conductivity Meter:

• Daily Rate.....	27/day
• Weekly Rate.....	135/week
• Monthly Rate.....	405/month

Vacuum Air Pump:

• Daily Rate.....	107/day
• Weekly Rate.....	535/week
• Monthly Rate.....	1,605/month

Downhole Video Camera System.....	214/day
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Weed Trimmer:

• Daily Rate.....	27/day
• Weekly Rate.....	135/week
• Monthly Rate.....	405/month

Safety Equipment:

• Tyvek Suit (each)	17/each
• Polyethylene suit (each)	22/each
• Nitrile gloves (per pair)	17/each
• PVC Gloves (per pair).....	17/each
• Rubber booties (per pair)	17/each
• Organic Vapor Cartridges (per pair).....	22/each
• Organic Vapor/Acid Cartridges (per pair).....	27/each
• Cartridges pre-filters (per pair)	17/each

Safety Equipment Continued:

• Half face respirator (each)	22/day
• Full face respirator (each).....	27/day
• Ventilator/manhole blowers	27/day
• Parachute harness	12/day
• Tripod:	
- Daily Rate	80/day
- Weekly Rate.....	400/week
- Monthly Rate	1,200/month
• SCBA.....	214/day

General Terms

1. Rates are in effect until November 30, 2023. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.

SCS ENGINEERS

FEE SCHEDULE

(Effective December 1, 2021 through November 30, 2022)

Management/Support Personnel	Rate (\$)/Hour
CQA Technician	75
Project Administrator	75
Secretarial/Clerical	75
CAD Draftsperson	85
Senior Project Administrator	90
Technician	95
Associate Staff Professional	105
Sr. Technician	105
Office Service Manager	115
Staff Professional I	120
Staff Professional II	125
Staff Professional III	130
CAD Designer	130
Project Professional I	140
Project Professional II	145
H&S Specialist	150
CQA Manager	170
Project Professional III	170
Project Manager I	175
Project Manager II	185
Project Director I	205
Project Director II	220
Satellite Office Manager	230
Principal	230
SCS Field Services - Technical Field Personnel	
Laborer	65
Fusion Technician	85
Technician	85
Senior Technician	115
Superintendent	125
Senior Superintendent	150
Field Compliance Officer	172

General Terms

1. Labor rates are in effect until November 30, 2023. Any work performed after that date is subject to a new Standard Fee Schedule.
2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up. Automobile mileage cost is \$0.72 per mile and is subject to change per Federal IRS laws. Trucks will be charged at \$18.00/hour to a maximum of \$144 per day. (No administrative mark-up will be applied to charges for company owned vehicles).
3. Payment of SCS Invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amount past due and owing on client's account.
4. Invoices will be prepared monthly for work in progress, unless otherwise agreed.
5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.
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FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
 (Effective December 1, 2021 through November 30, 2022)

	Rate (\$)
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• Daily Rate	198/day
• Weekly Rate	990/week
• Monthly Rate	2,970/month
Gazoscan Kit	
• Daily Rate	200/day
• Weekly Rate	1,000/week
• Monthly Rate	3,000/month
GEM 5000 w/H₂S/CO	
• Daily Rate	214/day
• Weekly Rate	1,070/week
• Monthly Rate	3,210/month
SEM 500/TVA 2020/TDL 500/ Site FID Emissions Monitor/Irwin Inficon SEM:	
• Daily Rate	214/day
• Weekly Rate	1,070/week
• Monthly Rate	3,210/month
Q Rae Gas Analyzer O ₂ /H ₂ S/CO/Combustibles	54/day
Micro Max Gas Analyzer O ₂ /H ₂ S/CO/COI Combustibles	54/day
4 Gas Meter	54/day
Magnehelic Pressure Meter	12/day
Digital Readout Thermocouple	27/day
Dewatering Pump (Trash Pump)	48/day
Dräger Detector Tubes/Pump	22/each
MiniRae 2000/3000 PID:	
• Daily Rate	161/day
• Weekly Rate	805/week
• Monthly Rate	2,415/month
RKI Eagle II:	
• Daily Rate	161/day
• Weekly Rate	805/week
• Monthly Rate	2,415/month

Rate (\$)

Air Sampling Station:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate 810/month

Pipe Laser:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate 810/month

- PAS 3000 Personal Air Sampling Pump 27/day
- Tedlar Bag (10-Liter) 43/each
- Sample Flow Controller/Tier II Gauge.....45/day
- Non-Contaminating Air Sampling Pump 27/day
- Interface Probe.....54/day

Handheld GPS:

- Daily Rate 27/day
- Weekly Rate 135/week
- Monthly Rate 405/month

Submersible Pump:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate 810/month

Water Level Indicator:

- Daily Rate 22/day
- Weekly Rate 110/week
- Monthly Rate 330/month

Water Level Meter w/Temperature:

- Daily Rate 48/day
- Weekly Rate 240/week
- Monthly Rate 720/month

100-Foot Temperature Probe:

- Daily Rate 17/day
- Weekly Rate 85/week
- Monthly Rate 255/month

- Teflon Well Bailer 27/each
- Vacuum Box/Carbon Canister and Blower 161/day
- Tool Truck 22/hour

Rate (\$)

No. 14 P.E. Fusion Machine (1"-4"):

- Daily Rate..... 118/day
- Weekly Rate.....590/week
- Monthly Rate..... 1,770/month

No. 26 P.E. Fusion Machine (2"-6"):

- Daily Rate..... 145/day
- Weekly Rate.....725/week
- Monthly Rate..... 2,175/month

No. 28 P.E. Fusion Machine (2"-8")

- Daily Rate..... 193/day
- Weekly Rate.....965/week
- Monthly Rate..... 2,895/month

No. 412 P.E. Fusion Machine (4"-12"):

- Daily Rate..... 295/day
- Weekly Rate..... 1,475/week
- Monthly Rate..... 4,425/month

No. 618 P.E. Fusion Machine (6"-18"):

- Daily Rate..... 509/day
- Weekly Rate..... 2,545/week
- Monthly Rate..... 7,635/month

No. 824 P.E. Fusion Machine (8"-24"):

- Daily Rate..... 1,017/day
- Weekly Rate..... 5,085/week
- Monthly Rate..... 15,255/month

Trackstar 500 Fusion Machine

- Daily Rate..... 455/day
- Weekly Rate..... 2,275/week
- Monthly Rate..... 6,825/month

Sidewinder Fusion Machine

- Daily Rate..... 161/day
- Weekly Rate.....805/week
- Monthly Rate..... 2,415/month

	Rate (\$)
Electrofusion Processor Machine:	
• Daily Rate	188/day
• Weekly Rate	940/week
• Monthly Rate	2,820/month
Leister Extrusion Welding Gun	161/day
Air Compressor	65/day
Arc Welder	80/day
Generator (3,500-Watt)	65/day
Generator (5,000-Watt)	80/day
Generator (6,000-Watt)	85/day
Generator (8,000-Watt)	90/day
Isolation Pinch-off Tool (1"-4"):	
• Daily Rate	43/day
• Weekly Rate	215/week
• Monthly Rate	645/month
Isolation Pinch-off Tool (2"-8"):	
• Daily Rate	65/day
• Weekly Rate	325/week
• Monthly Rate	975/month
Isolation Pinch-off Tool (8"-12"):	
• Daily Rate	107/day
• Weekly Rate	535/week
• Monthly Rate	1,605/month
4-Wheeler (ATV/UTV):	
• Daily Rate	54/day
• Weekly Rate	270/week
• Monthly Rate	810/month
4-Wheeler with 44" Mow Deck:	
• Daily Rate	107/day
• Weekly Rate	535/week
• Monthly Rate	1,605/month
Riding Mower:	
• Daily Rate	188/day
• Weekly Rate	940/week
• Monthly Rate	2,820/month
Chain Saw:	
• Daily Rate	12/day

Rate (\$)

- Weekly Rate 60/week
- Monthly Rate.....180/month

Horiba Water Quality Meter:

- Daily Rate 54/day
- Weekly Rate 270/week
- Monthly Rate..... 810/month

Hydrogen Sulfide Meter:

- Daily Rate 204/day
- Weekly Rate 1,020/week
- Monthly Rate..... 3,060/month

Infrared Thermometer:

- Daily Rate 12/day
- Weekly Rate 60/week
- Monthly Rate..... 180/month

Micropurge Flow Cell (Groundwater):

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate..... 1,605/month

Oilless Compressor and Control Box (Groundwater):

- Daily Rate 80/day
- Weekly Rate 400/week
- Monthly Rate..... 1,200/month

Earth/Resistance Tester:

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate..... 1,605/month

Pitot Tube and Gauges:

- Daily Rate 12/day
- Weekly Rate 60/week
- Monthly Rate..... 180/month

Pressure Washer:

- Daily Rate 54/day
- Weekly Rate 270/week

- Monthly Rate..... 810/month

Turbidity Meter/Conductivity Meter:

- Daily Rate 27/day
- Weekly Rate 135/week
- Monthly Rate..... 405/month

Vacuum Air Pump:

- Daily Rate 107/day
- Weekly Rate 535/week
- Monthly Rate..... 1,605/month

Downhole Video Camera System..... 214/day

Weed Trimmer:

- Daily Rate 27/day
- Weekly Rate 135/week
- Monthly Rate..... 405/month

Safety Equipment:

- Tyvek Suit (each) 17/each
- Polyethylene suit (each)..... 22/each
- Nitrile gloves (per pair) 17/each
- PVC Gloves (per pair)..... 17/each
- Rubber booties (per pair)..... 17/each
- Organic Vapor Cartridges (per pair)..... 22/each
- Organic Vapor/Acid Cartridges (per pair)..... 27/each
- Cartridges pre-filters (per pair) 17/each

Safety Equipment Continued:

- Half face respirator (each).....22/day
- Full face respirator (each).....27/day
- Ventilator/manhole blowers 27/day
- Parachute harness 12/day
- Tripod:
 - Daily Rate 80/day
 - Weekly Rate.....400/week
 - Monthly Rate 1,200/month
- SCBA..... 214/day

General Terms

1. Rates are in effect until November 30, 2023. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.

ATTACHMENT 4
Professional Services Agreement
with
SCS Engineers

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
PROFESSIONAL SERVICES AGREEMENT
SCS ENGINEERS
(Air Quality Permitting and Compliance Reporting Services and Engineering and Operation
and Maintenance Services for the Landfill Gas Collection System – 2021)**

This PROFESSIONAL SERVICES AGREEMENT (“Agreement”) is made and entered into by and between the Santa Fe Solid Waste Management Agency (“Agency”) and SCS Engineers (“Contractor”) for landfill gas engineering and operation and maintenance services and air quality permitting and compliance reporting services (RFP No. '22/16/P), as described in Exhibit A and below. The Agreement shall be effective as of the date this Agreement is executed by the Agency.

1. SCOPE OF SERVICES

The professional services subject to this Agreement are set forth in the Scope of Services attached hereto as Exhibit A.

2. STANDARDS OF PERFORMANCE; LICENSES

A. Contractor represents that it possesses the experience and knowledge necessary to perform the services described in this Agreement.

B. Contractor agrees to obtain and maintain throughout the term of this Agreement all applicable professional and business licenses required by law for itself and its employees, agents, representatives and subcontractors.

3. COMPENSATION

A. The Agency shall pay to Contractor in full payment for services rendered, including applicable gross receipts taxes, a sum not to exceed One Hundred Sixty Thousand Six Hundred Seventy Dollars and No Cents (\$160,670), as contained in Exhibits B and C attached hereto.

B. Contractor shall be responsible for payment of gross receipts taxes levied by the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of detailed statements containing a report of services completed. Compensation shall be paid only for services performed in accordance with the fee schedule set forth in the Scope of Services hereto attached in Exhibit A.

D. Detailed statements containing reimbursement expenses shall be itemized.

4. TERM AND EFFECTIVE DATE

A. This Agreement shall be effective when signed by the Agency and terminate on November 18, 2022, unless it is terminated sooner pursuant to Article 6 below.

B. Pursuant to the limitations on multi-term contracts for professional services codified in NMSA 1978 §13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, the Agreement can be renewed annually, if agreed upon by the Agency and Contractor and approved by the Joint Powers Board.

5. TERMINATION

A. The Agency may terminate this Agreement upon ten (10) days written notice to Contractor. If the Agency terminates the Agreement:

- 1) Contractor shall render a final report of the services performed up to the date of termination and shall turn over to the Agency original copies of all work product, research, or papers prepared for the services covered by this Agreement. The Agency shall pay Contractor for services rendered and expenses incurred under this Section, including for preparation of the final report.

2) If compensation is not based upon hourly rates for services rendered, the Agency shall pay Contractor for the reasonable value of services satisfactorily performed through the date Contractor receives notice of such termination for which compensation has not already been paid.

3) If compensation is based upon hourly rates and expenses, Contractor shall be paid for services rendered and expenses incurred through the date Contractor receives notice of such termination.

6. APPROPRIATIONS

The terms of this Agreement are contingent upon sufficient appropriations to and authorization from the Joint Powers Board for the Agency for the performance of this Agreement. If sufficient appropriations are not made or authorization provided, this Agreement shall terminate upon written notice from the Agency to Contractor. The Agency shall be responsible for charges incurred up to the date of notification under this Section per Article 6 of this Agreement. The Agency's decision as to whether sufficient appropriations are available shall be accepted by Contractor and shall be final.

7. ASSIGNMENT; SUBCONTRACTING

Contractor shall not assign or transfer any rights, privileges, obligations or other interests under this Agreement, including any claims for money due, without the Agency's prior written consent. Contractor shall not subcontract any portion of the services to be performed under this Agreement without the Agency's prior written approval.

8. STATUS OF CONTRACTOR; RESPONSIBILITY FOR PAYMENT OF EMPLOYEES AND SUBCONTRACTORS

A. Contractor, its agents, and its employees are independent contractors performing professional services for the Agency and are not employees of the Agency.

B. Contractor, its agents, and its employees shall not accrue leave, retirement, insurance, bonding, or any other benefits afforded to employees of the Agency and shall not be permitted to use Agency vehicles in the performance of this Agreement.

C. Contractor shall be solely responsible for payment of wages, salaries, and benefits to any and all employees or subcontractors Contractor retains to perform any of its obligations pursuant to this Agreement.

9. CHANGE IN CONTRACTOR'S REPRESENTATIVE

The Agency reserves the right to require a change in Contractor representative if the assigned representative fails to perform to the satisfaction of the Agency. Contractor will have fifteen (15) days from the Agency's written notice to remove and replace the representative with another representative acceptable to the Agency.

10. RELEASE

Contractor, upon acceptance of final payment of the amount due under this Agreement, releases the Agency, its officers, and its employees from all liabilities, claims, and obligations whatsoever arising from or under this Agreement. Contractor agrees not to purport to bind the Agency to any obligation not assumed herein by the Agency unless Contractor has express written authority to do so, and then only within the strict limits of that authority.

11. CONFIDENTIALITY

Any confidential information provided to or developed by Contractor in the performance of this Agreement shall be kept confidential and shall not be made available to any individual or organization by Contractor without the Agency's prior written approval.

12. OWNERSHIP OF WRITTEN PRODUCTS

All reports, documents or other written material (“written products” herein) developed by Contractor in the performance of this Agreement shall be and remain the property of the Agency without restriction or limitation upon its use or dissemination by Agency. Contractor may take and retain copies of such written products as desired, but no such written products shall be the subject of a copyright application by Contractor.

13. CONFLICT OF INTEREST

Contractor warrants that it presently has no interest and shall not acquire any interest, direct or indirect, that would conflict in any manner or degree with its performance of its obligations pursuant to this Agreement. Contractor further agrees that it shall not employ or contract with anyone in the performance of this Agreement that has any such conflict of interest.

14. INSURANCE

A. Contractor, at its own cost and expense, shall carry and maintain in full force and effect during the term of this Agreement commercial general liability insurance of \$2,000,000 for each occurrence and \$4,000,000 in general aggregate coverage for bodily injury and property damage liability, in a form and with an insurance company acceptable to the Agency. The required limits may be provided by a combination of general liability insurance and commercial umbrella liability insurance. The Agency shall be named as an additional insured under the insurance policy, and the policy shall provide that the Agency will be notified no less than 30 days before the policy is canceled for any reason. Contractor has furnished the Agency with a copy of a Certificate of Insurance or other evidence of Contractor’s compliance with the provisions of this Section as a condition of entering into this Agreement.

B. Contractor shall carry and maintain sufficient automobile liability insurance throughout the term of this Agreement to cover no less than \$2,000,000 combined single limit for each accident. The required limits may be provided by a combination of automotive liability insurance and commercial umbrella liability insurance.

C. Contractor shall carry and maintain professional liability insurance throughout the term of this Agreement for errors and omissions to cover no less than \$2,000,000 for each claim.

D. Contractor shall carry and maintain Workers' Compensation insurance in accordance with New Mexico law to provide coverage for Contractor's employees throughout the term of this Agreement. Contractor shall provide the Agency with evidence demonstrating that appropriate Workers' Compensation insurance has been obtained.

15. INDEMNIFICATION

Contractor shall indemnify, hold harmless and defend the Agency from all losses, damages, claims or judgments, including payment of all attorneys' fees and costs on account of any suit, judgment, execution, claim, action, or demand whatsoever to the extent arising from the negligent acts, errors, or omissions, or willful and reckless disregard of obligations under this Agreement, in the performance of any services covered by this Agreement, whether occurring on Agency managed or owned property or otherwise, by Contractor or its employees, agents, representatives, or subcontractors, excepting only such liability that arises out of the Agency's negligence.

16. RECORDS AND AUDIT

Contractor shall maintain throughout the term of this Agreement and for a period of three years thereafter detailed records that indicate the date, time, and nature of services rendered. These records shall be subject to inspection by the Agency, City of Santa Fe Finance Department, and the State Auditor. The Agency shall have the right to audit the billing both before and after payment.

Payment under this Agreement shall not foreclose the right of the Agency to recover excessive or illegal payments.

17. THIRD PARTY BENEFICIARIES

By entering into this Agreement, the parties do not intend to create any right, title, or interest in, or for the benefit of, any person other than the Agency and Contractor. No person shall claim any right, title or interest under this Agreement or seek to enforce this Agreement as a third-party beneficiary.

18. APPLICABLE LAW; CHOICE OF LAW; VENUE

Contractor shall abide by all applicable federal and state laws and regulations, and all ordinances, rules and regulations of the Agency. In any action, suit, or legal dispute arising from this Agreement, Contractor agrees that the laws of the State of New Mexico shall govern. The parties agree that any action or suit arising from this Agreement shall be commenced in a federal or state court of competent jurisdiction in New Mexico. Any action or suit commenced in the courts of the State of New Mexico shall be brought in the First Judicial District Court.

19. NEW MEXICO TORT CLAIMS ACT

Any liability incurred by the Agency in connection with this Agreement is subject to the immunities and limitations set forth in the New Mexico Tort Claims Act, NMSA 1978 §§ 41-4-1 to 41-4-27. The Agency and its employees do not waive sovereign immunity, any available defense, or any limitation of liability recognized by law. No provision in this Agreement modifies or waives any provision of the New Mexico Tort Claims Act.

20. NON-DISCRIMINATION

During the term of this Agreement, Contractor shall not discriminate against any employee or applicant for an employment position to be used in the performance of the services Contractor

undertakes pursuant to this Agreement on the basis of ethnicity, race, age, religion, creed, color, national origin, ancestry, sex, gender, sexual orientation, physical or mental disability, medical condition, or citizenship status.

21. COMPLIANCE WITH LAWS AND REGULATIONS; PROHIBITION OF BRIBES, GRATUITIES, AND KICKBACKS

Contractor shall comply with all applicable federal, state, and local laws and regulations throughout the term of this Agreement. Contractor expressly acknowledges that the New Mexico Procurement Code, NMSA 1978, §§ 13-1-28 through 13-1-199, imposes civil and criminal penalties for its violation, and New Mexico criminal statutes impose penalties for bribes, gratuities, and kickbacks.

22. AMENDMENT

This Agreement shall not be altered, changed, or modified except by an amendment in writing executed by the parties.

23. SCOPE OF AGREEMENT

This Agreement expresses the entire agreement and understanding between the parties with respect to the services set forth in the Scope of Services attached hereto as Exhibit A. No prior agreement or understanding, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless embodied in this Agreement.

24. SEVERABILITY

If one or more of the provisions of this Agreement or any application thereof is found to be invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions of the Agreement and any other application thereof shall not in any way be affected or impaired.

25. NOTICES

A. Any notice required to be given under this Agreement shall be in writing and served to the parties at the following addresses:

AGENCY: Mr. Randall Kippenbrock, P.E.
Executive Director
Santa Fe Solid Waste Management Agency
149 Wildlife Way
Santa Fe, NM 87506

CONTRACTOR: Mr. Ryan Kuntz, P.E.
Vice President/Satellite Office Manager
SCS Engineers
1901 Central Drive, Suite 550
Bedford, Texas 76021

B. Such notices may be delivered by:

- 1) personal delivery;
- 2) certified U.S. mail, returned receipt requested; or
- 3) recognized overnight delivery service.

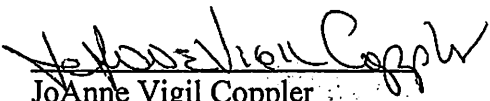
C. Any such notice shall be effective upon actual receipt by the party entitled thereto.

D. Any party may change its address for purposes of this Article by giving notice to the other party as herein provided.

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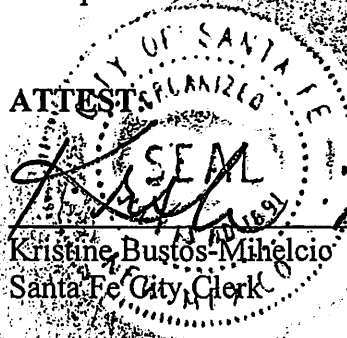
IN WITNESS WHEREOF, the parties have executed this Agreement on the date set forth below.

SANTA FE SOLID WASTE MANAGEMENT AGENCY:

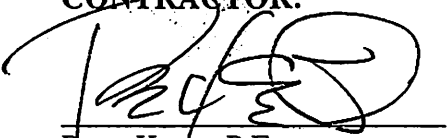

JoAnne Vigil Coppler
Chairperson

11/18/2021
Date:

ATTEST:

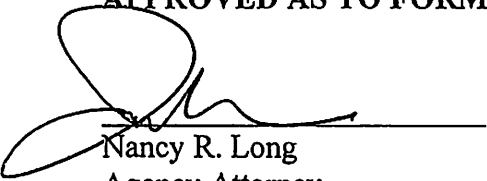

Kristine Bustos-Mihelcio
Santa Fe City Clerk

CONTRACTOR:


Ryan Kurtz, P.E.
Vice President/Satellite Office Manager
SCS Engineers

11/22/2021
Date

APPROVED AS TO FORM:


Nancy R. Long
Agency Attorney

11.19.2021
Date:

EXHIBIT A
Scope of Services

EXHIBIT A – PROJECT DESCRIPTION AND SCOPE OF WORK AIR QUALITY PERMITTING AND COMPLIANCE REPORTING SERVICES, ENGINEERING, AND OPERATION AND MAINTENANCE SERVICES FOR THE LANDFILL GAS COLLECTION SYSTEM AT THE CAJA DEL RIO LANDFILL

Project Description

This scope of services is to provide SFSWMA the following: Air Quality Permitting and Compliance Reporting Services, Engineering Services, and Operation and Maintenance Services for the Landfill Gas Collection System at the Caja Del Rio Landfill as set forth in the Request for Proposal (RFP #22/16/P). This grouping of services consists of compliance-related services encompassing the landfill's annual emissions inventory and other air-related work including Federal greenhouse gas (GHG) emissions reporting; Title V Permit reporting; New Source Performance Standards (NSPS) reporting; and National Emission Standards for Hazardous Air Pollutants (NESHAPS) reporting. It also includes operation and maintenance services (both routine and non-routine) for the gas collection and control system (GCCS).

Per the project approach provided to SFSWMA in the SCS Engineers (SCS) proposal dated October 18, 2021, and subsequent discussions with SFSWMA, SCS proposes to organize our work for 2022 services into the following tasks:

- Task 1 – Air-Related Reporting;
- Task 2 – Engineering On-Call Services;
- Task 3 – O&M Routine and Non-Routine Services;
- Task 4 – Post-Submittal Services (2021 Title V Renewal Application); and
- Task 5 – GCCS Design Plan Updates for AAAA;

Tasks 1 and 3 are updated with new budgets annually since these are ongoing, routine tasks. Task 2 is included for non-routine, unanticipated tasks that come up each year. Task 4 is included to respond any follow-up questions or comments from NMED pertaining to the Title V Renewal Application submitted in August 2021. Task 5 is included to update the existing GCCS Design Plan for the changes in the 40 CFR 63, Subpart AAAA that became effective September 2021. No new gas system design or construction is anticipated to be needed during the 2022 period of this scope.

The following items are future tasks anticipated to be needed through the contract period, but not likely to be needed until 2023. As such, these will be fully priced and authorized in future amendments to this agreement:

- Task 6 – Gas System Expansion Design;
- Task 7 – Bidding Support Services;
- Task 8 – Gas System CQA; and
- Task 9 – Title V Permit Renewal.

SCOPE OF WORK

Task 1 – Air-Related Reporting

Subtask 1.1 - NSPS, NESHAPS, and Title V Reporting

Task 1 includes services in calendar year 2022 related to required New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Title V reporting. It should be noted that the term “NSPS” in this task specifically refers to the requirements in 40 CFR 60, Subpart XXX. The term “NESHAPS” in this task specifically refers to the requirements in 40 CFR 63, Subpart AAAA. These NSPS and NESHAPS reports although requiring much of the same information, will be submitted in separate reports but concurrently. Reports will be submitted to NMED in April 2022 and in October 2022 for a total of four reports.

Under 40 CFR 60, Subpart XXX, liquids reporting is required annually under 40 CFR 60, §767(k) for any landfill that recirculates leachate or has within the last 10 years, or adds liquids to the landfill through a Research, Development, and Demonstration (RD&D) Permit. In 2021, we understand SFSWMA recirculated liquids within the landfill waste mass and will require liquids reporting to NMED. As such, this task covers preparation and submittal of this report by no later than September 27, 2022.

The Title V reports document the facility's compliance with air-related regulatory and permit requirements contained in the Title V permit. Title V reporting requires reporting of compliance deviations semi-annually and certification of overall compliance with all air-related requirements in the Title V permit annually. For this Task, SCS will prepare the required Title V reports with supporting documents and reporting from Agency staff. For budgeting purposes, consistent with our approach in prior years, we have assumed that SFSWMA will provide any necessary information for SCS' use in preparing these reports. These reports will be submitted to NMED and EPA (Title V Annual Compliance Certification only) in April 2022 and in October 2022. Please note that the number of reports is expected to be three Title V Semi-Annual Reports and two Title V Annual Compliance Certifications due separate reports required for each Title V Permit following the approval of the Title V Renewal Application currently under review by NMED.

NSPS reporting requires documentation of the following per 40 CFR §60.767(f):

- All GCCS wellfield exceedances;
- A summary of quarterly surface scans;
- Documentation of any gas system expansions conducted during the reporting period;
- A summary of gas system downtime in excess of five days; and
- Any flare free-venting in excess of one hour.

As part of this task, SCS will keep track of each reporting period, and 30 days before the report is due, gather all required information from SFSWMA and SCS Field Services. SCS will then use this information to prepare the NSPS and NESHAPS report drafts for SFSWMA review. Upon approval, at SFSWMA's preference, SCS will upload these reports to NMED's Secure Extranet Portal (SEP) for SFSWMA to certify and submit.

Deliverables: Inclusive of ten (10) reports described above (2 NSPS, 2 NESHAPS, 1 Liquids, 3 Title V Semi-Annual, and 2 Title V Annual Reports). An electronic draft of each report will be provided to SFSWMA for review (a hard copy can be provided upon request). One final copy of each report will be provided for SFSWMA's records in addition to the appropriate copies for the Air Quality Bureau (aqb). In addition, all deliverables will be provided electronically in PDF format.

Subtask 1.2 - Prepare New Mexico Emissions Inventory Reporting

SCS will prepare the calendar year 2021 emissions inventory for the Caja del Rio Landfill. This task also includes the emissions inventory for Buckman Road Recycling and Transfer Station (BuRRT). While BuRRT has not historically been required to submit an inventory, the permitting of the new brush grinder in 2021 triggered the requirement for a minor source emissions inventory. These inventories, which will be filed online, are scheduled to be submitted by April 1, 2022. In preparation for this task, SCS will prepare a list of needed information for each facility. These lists will include everything SCS needs to calculate 2021 emissions, such as 2021 incoming waste quantities and specifics regarding equipment usage. Once this information has been obtained, SCS will prepare emissions estimation spreadsheets. Per our discussions with the AQB, GHG calculations will not be required since Federal reporting is prepared. However, SCS will compile and submit GHG emissions to AQB also if needed as part of this task for the landfill only.

To report these emissions, SCS will utilize the online format required by AQB, referred to as the Air Emissions Inventory Reporting (AEIR) tool. Following completion by SCS, we will work with SFSWMA to check and finalize the submittals to AQB as the certifier. PDFs of the emissions spreadsheets will be provided to SFSWMA and AQB, consistent with what has been done in the previous years.

This task will also include any assistance with fee forms sent to SFSWMA from AQB. Please note, however, that any emissions fees themselves are not included in this proposal.

Deliverables: *PDF file of the emissions calculations. The reporting is electronic; however, SCS will also prepare sealed memorandum hard copies for SFSWMA files.*

Subtask 1.3 - Federal Greenhouse Gas (GHG) Emissions Reporting Services

This task will address requirements regarding the Federal mandatory GHG reporting rules for calendar year 2021 GHG emissions and encompass the reporting event that is due to EPA by March 31, 2022. The proposed scope for this task includes the preparation and submittal of the required GHG emissions estimates and associated information required by the GHG reporting rule. As was completed this past March, online reporting will be used to file information related to the GHG reporting rule. It should be noted that this reporting is different from State of New Mexico emissions reporting requirements (although for GHG emissions, as of 2021, AQB accepts what is prepared for EPA).

The first step in the GHG calculation process will be to collect all required data from calendar year 2021 including waste intake values, and GCCS landfill gas flows and methane content. We typically obtain much of this data throughout the year. SCS will collect this data from SFSWMA and SCS Field Services to complete the required data set. Utilizing equations provided in the EPA rule, SCS will convert the required information that has been gathered into the required GHG emissions.

SCS will place the collected data as well as all calculations into a suitable format for SFSWMA's files prior to entering the information into the EPA-required reporting format. SCS will enter the landfill's data into an XML programming tool for uploading into EPA's e-GGRT system. Upon completion of the XML tool, SCS will work with the SFSWMA's Designated Representative to review and certify the data to EPA. SCS will also be available to assist in providing additional information that EPA might require. When the reporting has been completed, SCS will provide a memorandum including pertinent assumptions and a copy of the EPA printouts verifying that the reporting was completed. This memorandum will be sealed by a professional engineer registered in the State of New Mexico.

Deliverables: *The reporting is electronic; however, as noted in this scope, SCS will prepare a sealed*

memorandum with EPA printout verification attached. Up to two hard copies of this memorandum will be provided to SFSWMA along with a PDF copy.

Task 2 – Engineering On-Call Services

Since other related engineering services may also be needed, this task is recommended and included. Services in this task, which would only be authorized on an as-needed basis by SFSWMA, may include general support items that might come up during the contract period. Examples of these types of services could be the following:

- Light field construction work or engineering design generally associated the gas system or emissions control, including the gas system; leachate/condensate management; Title V air permit-related items, or cover repairs for emissions control;
- Support as needed for any new air or emissions-related rules, inspections, or requirements from NMED or EPA;
- Support needed from the Agency to evaluate landfill gas-to-energy if requested or to help as needed with the development of any such opportunity; and
- Any air-related or greenhouse gas-related (carbon credit) work that might be associated with the Agency or its facilities.

Deliverables: Although the items to be covered under this task are associated with on-call services are to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.

Task 3 – O&M Routine and Non-Routine Services

Routine Services – Once a Month Basis

The wellfield be will monitored on a monthly basis per NSPS/NESHAPS requirements. During the past year, SCS has performed regular monthly monitoring of the 29 extraction wells currently in operation. The need for twice-a-month reading of these wells has not been necessary to date in 2021, as wells have been maintained within required operating parameters. However, we advise that the option to perform twice-a-month monitoring (initial monitoring and possibly monthly rechecks/adjustments) remain in the 2022 scope of work for availability if needed. Initial and second monthly readings (15-day rechecks) are shown as two different line items in the fee estimate. Although not expected, SCS might recommend twice-a-month readings outside of NSPS/NESHAPS-related issues if the wellfield readings indicate that this level of monitoring and tuning is necessary due to such factors as: repeated exceedances, under-pull of the wellfield; temperature and pressure variations over the month; or other circumstances that warrant twice-a-month readings.

During the monthly visits, typical routine services for the wellfield will involve:

- Monitoring and adjusting the 29 extraction wells so that they meet NSPS/NESHAPS parameter requirements for temperature and pressure.
- Obtaining landfill concentrations of methane, oxygen, carbon dioxide, and balance gas at each extraction well, in addition to individual extraction well temperatures and pressures.
- Assuring that extraction wells are functioning properly and/or without damage; inspections will also ensure that there are no broken hoses, pipes, thermometers, sample ports, loose connections, air leaks, and/or condensate build-up in the wellheads or well sample ports.
- Performing inspections of condensate sumps to determine if they are functioning properly and are in good condition.

A Landtec GEM 5000 will be used to obtain LFG concentrations, extraction well temperatures, static pressure, well flow rates, and system pressure. Obtaining these parameters will ensure proper wellfield adjustments, in addition to compliance with NSPS/NESHAPS guidelines. Initial readings and adjusted readings for each well and the blower/flare station will be stored in the GEM 5000 for future upload to SCS eTools; SCS' online electronic data management tool. SFSWMA staff will be able to access this database. Since SCS eTools is an SCS' proprietary application, the use of SCS eTools will be provided subject to SCS Standard Technology Services Agreement terms, as attached in Exhibit D.

If extraction wells do not adhere to NSPS/NESHAPS parameters (less than 145 °F and less than 0 pressure), adjustments to the wells will immediately be implemented to bring those wells back into compliance. Adjustments to the wells will also ensure compliance with the NSPS/NESHAPS requirements stipulating that some corrective action is made on non-compliant wells within 5 days of an exceedance(s). If non-compliant wells can immediately be corrected to meet NSPS/NESHAPS parameter(s), a 15-day recheck reading will not be required; however, if corrective action does not immediately correct the exceedance(s), SCS will re-monitor the wells within 15 days of the initial non-compliant reading. SCS will record at the blower/flare station all pertinent performance parameters such as:

- Flare temperature prior to and after wellfield adjustments have been made;
- LFG concentrations of methane, carbon dioxide, oxygen, and balance gas prior to and after wellfield adjustments have been made;
- Vacuum pressures and discharge pressure of the blower;
- Blower hours and vibration;
- Arrestor and knockout port differential pressures;
- Flare flow prior to and after wellfield adjustments have been made;
- Blower operating the GCCS at the time of the visit; and
- Other pertinent data required to maintain good operating conditions for the blower/flare station, and as required by the manufacturer.

SCS will monitor and inspect the blower, flare, and associated equipment. The inspections will involve, but not be limited to, the following items:

- Any damage, leaks, or breaks in piping;
- Unusual noise/vibrations/functions; and
- Irregular readings of output equipment and/or electrical equipment.

Maintenance services for the flare, blower, and associated equipment as recommended by the manufacturer of the flare - John Zink Maintenance for the blower/flare station will include, but not be limited to:

- Lubrication of the blower's (quarterly basis or sooner) motors as required by manufacturer;
- Periodic switching of the blowers (monthly basis);
- Draining condensate/fluids from the blower, flame arrestor, and other areas as noted by the John Zink O&M Manual (monthly basis unless specified by manufacturer otherwise);
- Checking that the continuous Yokogawa recorder is functioning properly (monthly basis);
- Recording propane tank levels and advising landfill staff of levels (monthly basis);
- Proper functioning of the Variable Frequency Drive (monthly basis);
- Proper functioning of the control panel and electronics (monthly basis);

- Other maintenance items as required by the John Zink O&M Manual for blower/flare station (time interval varies by equipment and manufacturer);
- Isolation and wellhead valves will be rotated fully to open and closed positions, to ensure valves are not “stuck in place” (quarterly basis);
- Flame arrestor cleaning (typically annually or an increase in differential pressure occurs);
- Thermocouple testing (as required by manufacturer) and cleaning, as required;
- Ultraviolet scanners inspection (quarterly or as required by manufacturer) and cleaning, as necessary;
- Igniter’s inspection (as required by manufacturer) and cleaning, as required; and
- Electrical/pneumatic inspection where needed.

In addition to routine maintenance, SCS will be responsible for providing necessary labor, equipment, and tools to repair and/or replace defective equipment as needed. Prior to replacement or repair of the equipment, SCS will advise SFSWMA of problems and discuss, requesting advice from the manufacturer regarding warranties on the equipment in question.

All maintenance, calibrations, and repairs performed by field staff will be recorded in a field log book for reference. The field log book will be kept in the GCCS control panel. Data from the continuous recorder, which records flow, temperature, and pressure, will be downloaded into electronic files submitted to SFSWMA and their designated agents. All collected data collected from the wellfield, blower/flare station, continuous GHG monitor, and any noted problem areas along with recommendations will be submitted to SFSWMA within 48 hours of data collection. A monthly report detailing the past month’s activities, all collected data, and recommendations on problem areas/equipment will be submitted by the last day of the following month. All data required to adhere to the work practice standards (NESHAPS requirement) that occurred during the month will be noted on appropriate forms, and will be included in the monthly report submitted to SFSWMA.

SCS’ approach to providing routine services is to collect data pertaining to the blower/flare station prior to making wellfield adjustments. This allows field staff to determine if the blower/flare station is functioning properly, and to identify problems that may be occurring in the wellfield. We feel that this approach is advantageous because, if the blower/flare station is not operating properly, the wellfield will not be “performing” as usual and adjustments to wells will be difficult to make and/or many wells could also have NSPS/NESHAPS compliance issues. One example involves higher than normal vacuum. Wells would be “over-pulled” as a result of this higher vacuum. If this condition (“overpulling”) is not immediately identified and investigated, change to the health of the collection system could be degraded and potentially more serious conditions may develop such as oxygen infiltration into the waste mass which could result in Sub-Surface Oxidation Events (SSOs). The disadvantage of this approach is there could be more time spent at the site if there are no problems at the blower/flare station, but this time would be offset if there were problems and they were not taken care of prior to wellfield adjustments.

After the blower/flare station is inspected and required data are obtained, the field technician will read the wellfield and make adjustments as necessary to each wellhead. As the technician obtains readings at each wellhead, they will inspect the well for leaks, damage, condensate, and other possible problems. Moving from well to well, the technician will also inspect and note the condition of the three condensate sumps and any exposed piping.

Once the wellfield is read, the technician will then return to the blower/flare station and record the necessary final data such as methane, oxygen, carbon dioxide, balance gas, inlet temperature, static pressure, flare temperature, and flow based on the completed wellfield readings. These parameters allow the technician to determine whether adjustments increased the efficiency of the system, and

whether the system continues to operate efficiently.

Once the technician completes wellfield adjustments and collects all data from the blower/flare station, they will then perform maintenance for the month or quarter that is required for specific equipment. On a monthly basis, the technician will switch blowers so that each blower receives equal duty time. Any needed repairs can also be performed at this point, if they are not completed prior to monitoring and adjustment of the wellfield.

Surface Emissions Monitoring

SCS will perform Surface Emissions Monitoring (SEM) using a Landtec SEM5000 Portable Methane Detector, including around penetrations as defined in 40 CFR 60, Subpart XXX and 40 CFR 63, Subpart AAAA. The technician will walk the entire area of the landfill that is subject to NSPS/NESHAPS regulations (basically, where landfill materials are 5 years in age - in the area where extraction wells are located) at 30-meter spacing in a grid pattern. The SEM5000 would be calibrated prior to monitoring. Any areas where methane is detected at concentrations over 500 ppm will be immediately flagged, numbered, and marked on a site map. After the technician has finished walking the area, he will immediately contact SFSWMA staff to indicate where high concentrations of methane are located. The technician will assist SFSWMA staff in remediating these areas so that emissions are less than 500 ppm. Remediation is usually accomplished by placing more cover materials over the surface, and/or by increasing vacuum at nearby extraction well(s).

Where surface emissions have exceeded 500 ppm, the area will need to be re-evaluated within 10 days (usually performed the same day of the exceedance) and again in 30 days. SCS would perform this service during the monthly wellfield tuning/adjustment events. After the 30-day re-checks and concentrations below 500 ppm have been obtained, SCS will provide all the collected data in the corresponding monthly report that details the findings of the surface emissions monitoring event. The report will contain all pertinent data derived from monitoring, along with associated site plans and the locations of any exceedances.

Deliverables: Hard copy O&M reports will be provided to SFSWMA monthly GCCS and SEM monitoring reports will be provided quarterly.

Non-Routine Services

Non-routine work will consist of repair and/or replacement of equipment that can be scheduled in advance and does not consist of emergency services. Non-routine work can range from minor repairs, such as broken wellheads, to complete overhaul of equipment components. In an example of a broken wellhead, SFSWMA staff can disconnect the well from the GCCS system by capping the broken ends. The GCCS will continue to operate with the remainder of the wells online. SCS can schedule repair of the well during our next trip to the site, or we can arrange with SFSWMA to visit the site sooner. Either arrangement would allow SCS to schedule repairs and obtain necessary materials/equipment to fix the broken wellhead within an agreed time interval.

In addition, non-routine work may also consist of recommendations made by SCS concerning the efficiency of the collection system. These special assignments will be authorized and prioritized by SFSWMA before any work is performed.

Once SFSWMA has identified a repair or special assignment that it desires SCS to perform, SCS will provide SFSWMA with a schedule and associated fees to complete the assignment within a time frame that is mutually agreeable to SFSWMA and SCS. No work will be performed until SFSWMA has

authorized the work. Once authorization has been received via written communication (email is acceptable), SCS will obtain all necessary equipment, tools, and materials needed to complete the task. SCS recommends that these non-routine events occur during normal routine visits to the site (i.e. during wellfield tuning events). The obvious advantage of this approach is cost savings. A disadvantage would be the GCCS not operational for a longer period of time, if the non-routine service involved a major operational component. SCS will make recommendations to SFSWMA on the severity of the problem and discuss timing factors in order to make a decision on how to handle a major non-routine service.

Repair/replacement of any HDPE pipe will most likely be with an SCS field technician. SFSWMA will be provided a scope of work and cost estimate information, prior to repair of the HDPE, to obtain SFSWMA approval for the proposed work. Once notice to proceed has been obtained from SFSWMA, the repair work will be scheduled. SCS will also schedule the repair work during a routine visit to the site, if possible, in order to keep costs to a minimum.

Unscheduled Non-routine Emergency Services

SCS can provide unscheduled non-routine emergency services when conditions require immediate response and the restoration of GCCS operations. These are services that can be minor or major in nature and require restart of the GCCS. The urgent nature of these items is such that response to them cannot be scheduled during routine or non-routine services. Within a few hours after an alert from SFSWMA staff and/or the GCCS auto dialer, SCS staff can respond to these emergencies 7 days a week.

During an emergency event, the Field Services Project Manager and/or other SCS staff can assess problems and provide immediate assistance. If a problem is major, SCS will contact SFSWMA, describe the event, and make recommendations to remedy the situation. During these types of emergencies, SCS will only perform work required at the time, to ensure no safety hazards exist and/or to provide for the restart of the GCCS. Once these hazards have been resolved and the GCCS is operational again, we will provide repairs based on routine or non-routine scheduled service procedures.

Task 4 – Post-Submittal Services (2021 Title V Renewal Application)

This task is to cover the following services that may be required due to the submittal of the Title V renewal application submitted to NMED in August 2021. Follow-up services may include the following:

- Follow-up with NMED to address application questions;
- Post-submittal services related to EPA review and comments on the application;
- Review of the draft permit application that will be prepared by NMED; and
- Participation in or preparation for a hearing (not likely to be needed).

These services will likely be required in 2022 year prior to NMED's approval of the renewal application. As such, this task is expect only in Year 1 of this contract.

Deliverables: Although the items to be covered under this task are on an as-needed basis to be determined, as with all tasks, any deliverable will be provided in hard copy form as well as electronically.

Task 5 – GCCS Design Plan Update

This task is included for revising the landfill's GCCS Design Plan during 2022. 40 CFR 63, Subpart AAAA, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for landfills was revised and finalized on March 26, 2020. This new rule not only changed SSM requirements for landfills, but also consolidated all NSPS (both XXX and Cf) rules into one standard for landfills that emit over 50 Mg/yr of non-methane organic compounds (NMOCs).

NSPS/NESHAPS rules require that GCCS Design Plans be submitted. For the landfill, the existing GCCS Design Plan can be used for compliance with the new Subpart AAAA rule. However, many portions of the existing GCCS Design Plan reference the old NESHAPS rules and now have outdated references. This task will be utilized to file an amended Design Capacity Report to address Subpart AAAA changes.

For this task, we assume that no GCCS Design or layout changes would be included; rather, this would be used to address compliance, or alternate provisions for requested approval. Any GCCS Design Plan amendment prepared under this task would be provided to SFSWMA for review and approval, and could then be either sent to SFSWMA for submittal or SCS could submit on SFSMA's behalf to NMED for approval. We would provide the GCCS Design Plan amendment, any NMED-required forms, and also upload the plan to EPA's electronic reporting system if the AAAA module to receive such a plan is active. The final Design Plan amendment would also be certified by a professional engineer registered in the State of New Mexico.

Deliverables: Sealed hard-copy will be submitted to NMED. Both a hard-copy and an electronic PDF file will be provided for SFSWMA files.

SCHEDULE FOR AUTHORIZED TASKS 1 THROUGH 5

The final page of this exhibit contains a project schedule. This schedule is discussed here. Although the tasks in this proposal are interrelated, since many of the tasks stem from different regulatory requirements or sections within the same rule, the dates presented are relatively independent from one another, as are the deliverables. Also, each of these tasks is of a relatively short duration and, as such, interim milestones are minimal.

Task 1 – Annual NSPS, NESHAPS, and Title V Reporting are shown as being completed around the previously set reporting dates of April 30th and October 30th. Federal Greenhouse Gas (GHG) Emissions Reporting Services will begin at the start of 2022. Data will be collected, processed, and emissions calculation prepared. In March 2022, the emissions results will be entered into e-GGRT for final reporting to EPA. Emissions Inventory Reporting is shown as being completed in February and March for submittal by April 1, 2022, which is the current deadline for this reporting that has been set by NMED.

Task 2 – On-call services will be performed on an as-needed basis.

Task 3 – Various routine O&M services will occur on a regular schedule with routine services for the wellfield (once or twice monthly), and surface emissions/opacity monitoring quarterly. Non-routine services may be needed at any time.

Task 4 – Post-Submittal Services for the 2021 Title V Renewal Application will be performed on an as-needed basis and is based on NMED's comments and requests during the review until the renewal has been approved.

Task 5 – GCCS Design Plan update is scheduled for April and May of 2022.

SCOPE FOR FUTURE TASKS

Task 6 – Gas System Expansion Design

Waste in future cells not covered by the current landfill gas collection and control system (GCCS) will have been in place in excess of 5 years during the contract period. Per the current federal NSPS/NESHAPS Rules for landfills, gas collection from Cell 6B will be required by March 2025. For this task, SCS will prepare bid-level plans and specifications for the expansion of the GCCS into Cell 6B as required by the NSPS/NESHAPS rules. This design will conform to the GCCS Design Plan and the layout prepared as described in the Master Plan Document. The construction plans will be comprehensive and include, at a minimum, the following plan sheets:

- Cover Sheet;
- Existing Conditions;
- LFG Collection System Layout Plan;
- Extraction Well Details, including Well Schedule;
- Pipe and Valve Details;
- Condensate Management Details; and
- Survey Control.

It is assumed that the most recent survey of the landfill at the time of performing this task will be sufficient for development of the construction plans. However, should updates to the survey be necessary, we will advise SFSWMA of the area requiring an updated survey for design purposes. Additionally, our specifications will require a pre-construction survey at the well locations to confirm well depths, and based on this pre-construction survey, well depths will be adjusted accordingly by SCS' engineer. Necessary pre-construction surveys will be performed under Task 8.

SCS will prepare bid documents and specifications for this construction project. Bid items will be clearly identified. Consistent with prior bid documents prepared by SCS, we have assumed that "front-end" bid documents and standards will be provided to SCS for inclusion into the bid documents and specifications, including but not limited to, invitation to bid, instructions to bidders, bid proposal forms, bond forms, general and supplemental conditions, and other necessary standard forms for bidding purposes. In addition to SCS' standard specifications for "General Requirements," (i.e., measurement and payment, health and safety, meetings, environmental protection, submittals, etc.), it is anticipated that the following technical specifications will be prepared for this project:

- Layout of work and surveying;
- Excavation, trenching, backfilling, and grading;
- LFG extraction wells and wellheads (including well drilling, bentonite, and aggregate backfill);
- High density polyethylene pipe, fittings, and valves (including materials, installation, and testing); and
- Condensate management system (includes pump and sump, if required).

During the preparation of technical specifications, SCS will review all local permits that may be necessary so that those requirements may be incorporated into the construction documents. During this effort, SCS will also consider the required timeframes for any of these authorizations and emphasize any of these items that may become a critical path item during construction.

SCS will also prepare a detailed estimate of probable cost of construction. SCS will perform the

necessary quantity take-offs for line items included in the scope of work for the project. Line items for this project will include such items as: mobilization/demobilization, surveying, well installation, piping installation, perimeter header, and condensate sump installation (if required). The engineer's estimate of probable cost of construction will be supported by quantity estimates for each line item.

Deliverables: Electronic copies will be provided of all bid documents, construction plans and specifications, engineer's estimate, and construction documents for SFSWMA files along with printouts (up to 6 hard copies of the construction documents). All deliverables will be provided electronically via PDF.

Task 7 – Bidding Support Services

This task will include bidding support to SFSWMA during the bidding-phase of the GCCS expansion construction project. Services to be provided shall include the following:

- Attendance by SCS at a pre-bid conference for the project.
- Technical support to SFSWMA procurement to respond to written comments and questions from bidders.
- Addenda will be issued, if necessary, to all plan holders.
- Review of contractor qualifications, as necessary, to verify pre-qualification requirements in bid documents.
- Review and compilation of bids, and submittal of award recommendation to SFSWMA.

This task will also include fees for air travel expenses, hotel, and rental car for attendance at the pre-bid conference.

Deliverables: Meeting minutes from the pre-bid conference, any written responses to bidder questions, addenda (if necessary), an engineer's memorandum with comments and a recommendation regarding the bidder's qualifications (if necessary), and an engineer's memorandum with comments and award recommendation. All deliverables will also be provided electronically in MS-Word and AutoCAD, as necessary.

Task 8 – Gas System CQA

This task will cover construction quality assurance (CQA) services the Agency will need for the GCCS expansion construction during the contract term. It is understood that the duration and level of CQA Services will be directly proportional to the construction schedule and the role that SCS is responsible for during construction.

Subtask 8.1 – Pre-Construction Topographical and LFG Extraction Wells Survey

The specific survey services to be provided for this subtask are as follows:

- SCS will provide a pre-construction topographical survey of GCCS expansion area, if necessary, to confirm landfill gas (LFG) extraction well and piping locations. This pre-construction survey will be performed by a Professional Land Surveyor registered in the State of New Mexico, to confirm topographic grades of the landfill for the GCCS expansion.
- The pre-construction topographical survey will be reviewed by SCS and the construction plans modified as necessary to accommodate existing grades prior to construction.
- SCS will provide a pre-construction survey of the proposed landfill gas (LFG) extraction well locations. This pre-construction survey will be performed by a Professional Land Surveyor

registered in the State of New Mexico, to confirm ground surface elevations of the LFG extraction wells.

- This pre-construction survey of the proposed LFG extraction wells will be reviewed and approved by the Certifying Engineer who is a Professional Engineer registered in the State of New Mexico. The surface elevations obtained for the well locations will be used to develop the issued-for-construction well schedule for the project.

***Deliverables:** Electronic copies will be provided of the modified construction plans (if necessary), and issued-for-construction well schedule for SFSWMA files along with printouts (up to 3 hard copies of the revised construction plans). All deliverables will be provided electronically via PDF.*

Subtask 8.2 – Field CQA Services for LFG Extraction Well and Piping Installation

This subtask includes the field CQA services required during the LFG extraction system expansion. SCS will provide a qualified CQA technician to be onsite during LFG extraction well and piping installation.

The specific services to be provided during LFG extraction well installation are as follows:

- SCS' inspector will be on-site daily during well drilling and installation to log the wells and note any proposed relocation due to obstructions, liquid levels, etc.
- SCS' inspector will document construction activities through field notes and/or photographs and significant events (including weather delays) on a daily basis. Significant changes in quantity and time will be recorded.
- SCS' inspector will prepare extraction well boring logs and installation records, which will be included in the construction documentation report, as described in Subtask 8.4.

The specific services to be provided during LFG piping installation are as follows:

- An SCS inspector will be on-site daily during installation and testing of LFG collection and condensate management piping.
- Observe the installation of lateral/header piping and condensate management system components, including condensate sumps, piping, and valves.
- Documentation and observation for conformance with the construction plans and specifications:
- Review, observe, and document pneumatic pipe pressure testing.
- SCS' inspector will provide record location and elevation surveys of installed components and verify proper slopes and depths of piping prior to burial, as necessary, consistent with the construction plans and specifications. This work will be completed with GPS survey equipment. The survey equipment and inspector will be capable of inverting slopes in the field to provide immediate verification of pipe slopes to the Contractor. The survey equipment will be available for use on-site during all times that construction activities are ongoing.
- Conduct walk-through of the project at substantial completion and provide a punch-list for completion.

SCS assumes that this subtask will require daily observation. As such, the above services for Subtask 8.2 will require SCS' inspector (i.e., CQA Technician) to be on-site for 10 hours/day, Monday through Saturday over the construction duration. For this subtask, SCS will also include fees for expenses such as, CQA field vehicle, meals at per diem, lodging, and survey equipment.

Subtask 8.3 – Project Management during LFG Collection System Expansion

This subtask includes overall project management and oversight by a Professional Engineer registered in the State of New Mexico during the entire project, including extraction well, collection piping, and condensate management system installation. The specific services to be provided for this subtask are as follows:

- Reviewing Contractor's applications for payment.
- Reviewing Contractor's layout of work survey and confirming enough slope is available for piping/making adjustments as needed.
- Reviewing and processing Contractor's submittals.
- Coordinate interpretations of construction plans and specifications and respond to request-for-information.
- Telephone calls among the SCS project manager, the Contractor, and SCS' on-site inspector to answer questions and resolve issues.
- Evaluating Contractor's change order proposals (if any).
- Maintain files for correspondence, reports, photographs, requests-for-information or clarifications, and other construction project related documentation.
- Document construction activities and significant events (including weather delays) on a daily basis. Significant changes in quantity, time, or cost will be recorded.
- Conformance testing of well aggregate, including gradation (ASTM C136) and percent calcium carbonate (JTL-S-105-89) consistent with the technical specifications.
- Certifying Engineer or qualified representative will perform onsite inspections/meetings during the project, including a pre-construction meeting, intermediate meetings/inspections; and a final inspection/walkthrough at substantial completion.

In addition to onsite inspections/meetings, SCS has assumed up seven (7) hours per week over the construction duration will be sufficient for the services provided in this subtask.

Subtask 8.4 – Construction Documentation Report

This task includes preparation of a construction documentation report. This report will include record drawings and surveys, including surveying of extraction wells, piping at 50-foot intervals or less for pipe inflections, fittings, and valves, and other infrastructure installed during the course of the project. The construction report will include a project overview, record survey, results of lab and field testing, LFG extraction well boring logs and installation records, daily reports, and photographs taken during construction. The narrative portion of the report will list project participants, construction milestone dates, and provide a description of issues encountered during construction or areas that may warrant attention in the future.

Deliverables: Up to 3 hard copies of the Construction Documentation Report for the GCCS construction project will be provided, including all documentation collected during construction as described in Subtasks 8.2 and 8.3. All deliverables will also be provided electronically via MS-Word and PDF, as necessary.

Task 9 – Title V Permit Renewal

The current Title V permit became effective on August 30, 2017, and a renewal application was required four years from that date (by August 30, 2021). The Title V Renewal Application was submitted prior to August 30, 2021 and is still currently under review by NMED. This task is to cover

the preparation of a subsequent renewal application once the timeline of the next required renewal deadline is confirmed (i.e., one year earlier than the next permit's expiration date). For this task, SCS will work closely with Air Quality Services, Inc. (AQS) based in Santa Fe, as they are available when the renewal is required.

As an initial task for this work, SCS will prepare a list of needed information from SFSWMA. This information needs list will include everything SCS needs to prepare the renewal application. SCS will then prepare the application to renew the Title V permit. This renewal application will contain NMED's appropriate forms; currently the universal application parts one, two, three, and four. During preparation of the application, SCS will work with SFSWMA to verify the different emission sources that must be included, and to update this information where these sources might differ from what is currently permitted. Title V permit renewals do not require fees and, as such, no permitting fees are included in this proposal.

Upon completion of a draft application, SCS will transmit a draft to SFSWMA for review, comment, and Responsible Official signature. Upon receipt of comments, SCS will prepare final copies for submittal to the proper regulatory agencies, as well as copies for the SFSWMA. SCS will then transmit the application to the SFSWMA for submittal to the NMED, or we may submit it on your behalf, as you approve.

In addition to the above scope of work, this task may cover the following services after the submittal of the Title V renewal application to NMED. Follow-up services may include the following:

- Follow-up with NMED to address application questions;
- Post-submittal services related to EPA review and comments on the application;
- Review of the draft permit application that will be prepared by NMED; and
- Participation in or preparation for a hearing (not likely to be needed).

These follow-up submittal services will likely fall into the next 4-year contract period. However, if any of these services are required, SCS may prepare a separate amendment for your consideration.

Deliverables: *Electronic copies will be provided of all application components for SFSWMA files along with printouts (up to 6 hard copies of the renewal application). All deliverables will also be provided electronically via PDF.*

EXHIBIT A - PROJECT SCHEDULE (AUTHORIZED TASKS ONLY)
2022 AIR COMPLIANCE/O&M SERVICES FOR THE
CAJA DEL RIO LANDFILL

Task	Date												
	2020	2021											
	D	J	F	M	A	M	J	J	A	S	O	N	
1 - Annual NSPS, NESHAPs, and Title V Reporting, XXX Liquids Reporting, NM Emission Inventory, & GHG Reporting													<= Prepare NM Emissions Inventories and GHG Emissions by March 31, 2022. Prepare NSPS/NESHAPS/TV Reports by April 30 and October 30, 2022. Liquids reporting due by September 28, 2022.
2 - Engineering On-Call Services													<= Perform additional services tasks as needed.
3 - O&M Routine Services													<= Perform once a month (twice if needed).
3 - O&M Surface Emissions Monitoring													<= Perform quarterly.
3 - O&M Non-Routine Services													<= Perform as-needed.
4 - Post-Submittal Support Services (2021 Title V Renewal Application)													<= Perform as-needed.
5 - GCCS Design Plan Amendment (AAAA Update)													<= Prepare GCCS Design Plan update for AAAA changes and provide draft to SFSWMA no later than

1
4
1

EXHIBIT B

Task Fees

Exhibit B. Rates and Not-to-Exceed Fees
2022 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 1 - Air-Related Reporting				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$225.00	hours	2	\$450.00
Project Manager 2	\$180.00	hours	9	\$1,620.00
Project Manager 1	\$170.00	hours	25	\$4,250.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$125.00	hours	91	\$11,375.00
Secretarial/Clerical	\$75.00	hours	12	\$900.00
Expenses				
Telephone/Fax/Postage	\$300.00	lump sum	1	\$300.00
Reproduction	\$300.00	lump sum	1	\$300.00
Subtotal Less Gross Receipts Tax				\$19,455.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 1				\$19,455.00

Task 2 - Engineering On-Call Services				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$225.00	hours	10	\$2,250.00
Project Manager 2	\$180.00	hours	14	\$2,520.00
Project Manager 1	\$170.00	hours	12	\$2,040.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$125.00	hours	40	\$5,000.00
Secretarial/Clerical	\$75.00	hours	6	\$450.00
Expenses				
Telephone/Fax/Postage	\$20.00	lump sum	1	\$20.00
Reproduction	\$40.00	lump sum	1	\$40.00
Subtotal Less Gross Receipts Tax				\$12,580.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 2				\$12,580.00

Task 3 - O&M Services					
Routine - Services	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Wellfield Reading (Initial Tuning)	\$2,300.00	lump sum	1	12	\$27,600.00
Wellfield Reading (15-day recheck if required)	\$1,500.00	lump sum	1	12	\$18,000.00
Quarterly Maintenance (blower flare station)	\$600.00	lump sum	1	4	\$2,400.00
Liquid Level Measurements (LL)	\$0.00	lump sum	1	0	\$0.00
Surface Emissions Monitoring (SEM)	\$1,600.00	lump sum	1	4	\$6,400.00
Reporting (O&M, SEM, SSMS)	\$1,400.04	lump sum	1	12	\$16,800.48
Subtotal Less Gross Receipts Tax					\$71,200.48
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$3,649.52
Subtotal Task 3 - Routine Services					\$74,850.00
Non-Routine Services (Scheduled and Unscheduled Services/Emergencies)					
	Unit Rate	Units	Quantity/mo	#/yr	Extended Fee
Non-Routine/Emergency Services	\$40,000.00	lump sum	1	1	\$40,000.00
Subtotal Less Gross Receipts Tax					\$40,000.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)					\$2,050.00
Subtotal Task 3 - Non-Routine Services					\$42,050.00
Total Task 3					\$116,900.00

NOTES:

Routine O&M Services are lump sum.

Non-routine O&M services are based on time-and-materials NTE.

Exhibit B. Rates and Not-to-Exceed Fees
2022 Engineering, Operation & Maintenance Services
Santa Fe Solid Waste Management Agency - Caja Del Rio Landfill

Task 4 - Post-Submittal Services (2021 Title V Permit Renewal)				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$225.00	hours	1	\$225.00
Project Manager 2	\$180.00	hours	4	\$720.00
Project Manager 1	\$170.00	hours	20	\$3,400.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$125.00	hours	10	\$1,250.00
Secretarial/Clerical	\$75.00	hours	2	\$150.00
Expenses				
Telephone/Fax/Postage	\$100.00	lump sum	1	\$100.00
Reproduction	\$100.00	lump sum	1	\$100.00
Subtotal Less Gross Receipts Tax				\$6,205.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 4				\$6,205.00

Task 5 - GCCS Design Plan Amendment (AAAA Update)				
Personnel	Unit Rate	Units	Quantity	Extended Fee
Satellite Office Manager	\$225.00	hours	2	\$450.00
Project Manager 2	\$180.00	hours	4	\$720.00
Project Manager 1	\$170.00	hours	10	\$1,700.00
CAD Designer	\$130.00	hours	2	\$260.00
Staff Professional 3	\$125.00	hours	16	\$2,000.00
Secretarial/Clerical	\$75.00	hours	2	\$150.00
Expenses				
Telephone/Fax/Postage	\$125.00	lump sum	1	\$125.00
Reproduction	\$125.00	lump sum	1	\$125.00
Subtotal Less Gross Receipts Tax				\$5,530.00
Out-of-State Business Gross Receipts Tax - Rate (5.125%)				\$0.00
Subtotal Task 5				\$5,530.00

SUMMARY OF TASK TOTALS

Task 1 - Air-Related Reporting Total	\$19,455
Task 2 - Engineering On-Call Services Total	\$12,580
Task 3 - Routine O&M Services Total	\$74,850
Task 3 - Non Routine O&M Services Total	\$42,050
Task 4 - Post-Submittal Services (2021 Title V Permit Renewal) Total	\$6,205
Task 5 - GCCS Design Plan Amendment (AAAA Update) Total	\$5,530
GRAND TOTAL	\$160,670

EXHIBIT C

Fee Schedule

SCS ENGINEERS

FEE SCHEDULE

(Effective December 1, 2021 through November 30, 2022)

Management/Support Personnel	Rate (\$)/Hour
CQA Technician	75
Project Administrator	75
Secretarial/Clerical	75
CAD Draftsperson	85
Senior Project Administrator	90
Technician	95
Associate Staff Professional	100
Sr. Technician.....	105
Office Service Manager	110
Staff Professional I	115
Staff Professional II	120
Staff Professional III.....	125
CAD Designer	130
Project Professional I	135
Project Professional II	140
H&S Specialist	150
CQA Manager	165
Project Professional III.....	165
Project Manager I.....	170
Project Manager II.....	180
Project Director I	200
Project Director II	215
Satellite Office Manager	225
Principal.....	225
SCS Field Services - Technical Field Personnel	
Laborer	62
Fusion Technician	80
Technician	80
Senior Technician	110
Superintendent	118
Senior Superintendent	144
Field Compliance Officer	165

General Terms

1. Labor rates are in effect until November 30, 2022. Any work performed after that date is subject to a new Standard Fee Schedule.
2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up. Automobile mileage cost is \$0.58 per mile and is subject to change per Federal IRS laws. Trucks will be charged at \$18.00/hour to a maximum of \$144 per day. (No administrative mark-up will be applied to charges for company owned vehicles).
3. Payment of SCS Invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amount past due and owing on client's account.
4. Invoices will be prepared monthly for work in progress, unless otherwise agreed.
5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.
6. On short-term or one-time assignments, services which require less than eight (8) hours, but more than four (4) hours, will be billed at eight (8) hours. A minimum of four (4) hours will be billed for any service requested which is not conducted in conjunction with an ongoing project (including call-outs after normal work hours), and will be charged portal-to-portal from SCS Field Services offices.
7. These rates are based on non-union, non-prevailing wage scales.
8. For long-term on-site project assignments, rates may be discounted on an individually negotiated basis. Long-term on-site personnel are permitted to return home every four (4) weeks. Travel expense shall be invoiced to the client at cost plus 15 percent.
9. Costs for equipment and analysis will be billed in accordance with the rates contained on SCS Field Services Standard Fee Schedule for Equipment and Analysis.

FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
 (Effective December 1, 2021 through November 30, 2022)

	Rate (\$)
GEM 5000 Gas Analyzer:	
• Daily Rate	185/day
• Weekly Rate.....	555/week
• Monthly Rate	1,665/month
H₂S Gas Pod	10/day
SEM 500/TVA 2020/TDL 500/FID Emissions Monitor:	
• Daily Rate	185/day
• Weekly Rate.....	555/week
• Monthly Rate	1,665/month
Q Rae Gas Analyzer O₂/H₂S/CO/Combustibles	50/day
Micro Max Gas Analyzer O₂/H₂S/CO/COI Combustibles.....	50/day
4-Gas Meter.....	50/day
Magnehelic Pressure Set	20/day
Digital Readout Thermocouple.....	25/day
Dräger Detector Tubes/Pump.....	15/each
Dewatering Pump (Trash Pump).....	45/day
Bar Punch:	
• Daily Rate	10/day
• Weekly Rate.....	30/week
• Monthly Rate	90/month
MiniRae 2000/3000 PID:	
• Daily Rate	150/day
• Weekly Rate.....	500/week
• Monthly Rate	1,500/month
Air Sampling Station:	
• Daily Rate	50/day
• Weekly Rate.....	200/week

Rate (\$)

Pipe Laser:

- Daily Rate 50/day
- Weekly Rate..... 220/week
- Monthly Rate 650/month

Water Trailer 75/day
 PAS 3000 Personal Air Sampling Pump..... 25/day
 Tedlar Bag (10-Liter) 40/each
 Non-Contaminating Air Sampling Pump 25/day
 Interface Probe..... 50/day

Submersible Pump:

- Daily Rate 50/day
- Weekly Rate..... 150/week
- Monthly Rate 450/month

Water Level Indicator:

- Daily Rate 20/day
- Weekly Rate..... 60/week
- Monthly Rate 180/month

100-Foot Temperature Probe:

- Daily Rate 15/day
- Weekly Rate..... 45/week
- Monthly Rate 135/month

Teflon Well Bailer 10/each
 Vacuum Box/Carbon Canister and Blower..... 150/day
 Tool Truck 144/day

No. 12 P.E. Fusion Machine (1"-2"):

- Daily Rate 50/day
- Weekly Rate..... 150/week
- Monthly Rate 450/month

No. 14 P.E. Fusion Machine (1"-4"):

- Daily Rate 90/day
- Weekly Rate..... 300/week
- Monthly Rate 900/month

Rate (\$)

No. 26 P.E. Fusion Machine (2"-6"):

- Daily Rate 150/day
- Weekly Rate.....450/week
- Monthly Rate 1,350/month

No. 28 P.E. Fusion Machine (2"-8"):

- Daily Rate 175/day
- Weekly Rate.....525/week
- Monthly Rate 1,575/month

412 P.E. Fusion Machine (4"-12"):

- Daily Rate 225/day
- Weekly Rate.....675/week
- Monthly Rate 2,025/month

618 P.E. Fusion Machine with Tool Truck (6"-18"):

- Daily Rate 400/day
- Weekly Rate..... 1,500/week
- Monthly Rate 4,000/month

Trackstar 500 Fusion Machine:

- Daily Rate 425/day
- Weekly Rate..... 1,500/week
- Monthly Rate 4,050/month

Friatec Electrofusion Machine:

- Daily Rate 100/day
- Weekly Rate.....300/week
- Monthly Rate 900/month

Sidewinder P.E. Fusion Machine.....100/day
 Extrusion Welding Gun.....120/day
 Air Compressor 60/day
 Arc Welder 75/day
 Generator (3,500-Watt).....45/day
 Generator (5,000-Watt).....60/day

	Rate (\$)
Generator (6,000-Watt):	
• Daily Rate	65/day
Generator (8,000 Watt):	
• Daily Rate	75/day
• Weekly Rate.....	225/week
Isolation Pinch-off Tools:	
• Daily Rate	25/day
• Weekly Rate.....	75/week
• Monthly Rate	225/month
Plate/Rammer/Jumping Jack Compactor	75/day
4-Wheeler (ATV):	
• Daily Rate	50/day
• Weekly Rate.....	150/week
• Monthly Rate	450/month
4-Wheeler with 44" Mow Deck:	
• Daily Rate	100/day
• Weekly Rate.....	300/week
• Monthly Rate	900/month
Riding Mower:	
• Daily Rate	175/day
• Weekly Rate.....	525/week
• Monthly Rate	1,575/month
Chain Saw:	
• Daily Rate	10/day
• Weekly Rate.....	30/week
• Monthly Rate	90/month
Horiba Water Quality Meter:	
• Daily Rate	40/day
• Weekly Rate.....	120/week
• Monthly Rate	360/month

Rate (\$)

Hydrogen Sulfide Meter:

- Daily Rate 100/day
- Weekly Rate.....300/week
- Monthly Rate 900/month

Infrared Thermometer:

- Daily Rate 10/day
- Weekly Rate..... 30/week
- Monthly Rate 90/month

Micropurge Flow Cell (Groundwater):

- Daily Rate 100/day
- Weekly Rate.....300/week
- Monthly Rate 900/month

Oilless Compressor and Control Box (Groundwater):

- Daily Rate 75/day
- Weekly Rate.....225/week
- Monthly Rate 675/month

Earth/Resistance Tester:

- Daily Rate 100/day
- Weekly Rate.....300/week
- Monthly Rate 900/month

Pitot Tube and Gauges:

- Daily Rate 10/day
- Weekly Rate..... 30/week
- Monthly Rate 90/month

Pressure Washer:

- Daily Rate 50/day
- Weekly Rate.....150/week
- Monthly Rate 300/month

Squeeze Tool:

- Daily Rate 10/day
- Weekly Rate..... 30/week
- Monthly Rate 90/month

Rate (\$)

Turbidity Meter/Conductivity Meter:

- Daily Rate 25/day
- Weekly Rate..... 75/week
- Monthly
 Rate.....225/month

Vacuum Air Pump:

- Daily Rate 100/day
- Weekly Rate..... 300/week
- Monthly Rate 900/month

Downhole Video Camera System.....200/day

Weed Trimmer

- Daily Rate 25/day
- Weekly Rate..... 75/week
- Monthly Rate 225/month

Safety Equipment:

- Tyvek Suit (each).....15/each
- Polyethylene suit (each) 20/each
- Nitrile gloves (per pair) 15/each
- PVC Gloves (per pair) 15/each
- Rubber booties (per pair) 15/each
- Organic Vapor Cartridges (per pair) 20/each
- Organic Vapor/Acid Cartridges (per pair) 25/each
- Cartridges pre-filters (per pair).....15/each
- Half face respirator (each)..... 20/day
- Full face respirator (each) 25/day
- Ventilator/manhole blowers..... 25/day
- Parachute harness..... 10/day
- Tripod:
 - Daily Rate 35/day
 - Weekly Rate..... 105/week
 - Monthly Rate 315/month
- SCBA 55/day

General Terms

1. Rates are in effect until November 30, 2022. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.