

CS-22-006

**WORK AUTHORIZATION #30
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS**

Consultant:	S2L, Incorporated
Contract Number:	CM2685
Contact Name:	Omar Smith, P.E., V.P.
Contact Number:	407-475-9163
Email:	osmith@s2li.com

CURRENT WORK AUTHORIZATION			
Project Short Title: Operation, Monitoring, Maintenance, and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill.			
		CONTRACT OVERVIEW	
Date Submitted	8/18/22	Total of Previous Authorizations	\$1,326,989.10
Amount	\$188,930.92	This Work Authorization	\$188,930.62
Scheduled Completion	9/30/23	Current Contract Total	\$1,515,919.70

This Work Authorization is to the AGREEMENT between Nassau County and S2L, Incorporated (“Vendor”) for Continuing Contract for Professional Engineering Services-Solid Waste Landfills and Other Related Ancillary Facilities for Nassau County, Florida, dated July 26, 2019. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

Vendor shall provide work for the operation, monitoring, maintenance, and reporting of the Landfill Gas (LFG) Collection and Control System (CCS or LFGCCS) at the West Nassau Landfill. The existing systems at the Landfill consist of approximately 50 vertical gas wells, 5 condensate pump station, 12 condensate connections to the leachate collection system risers, LFG header and lateral piping, control valves, 2 air compressors, blower and control station, and 1 candlestick flare. Under the scope of work for this Contract, S2L, Incorporated (S2Li) and its team of subconsultants shall perform four categories of service during a service time period, beginning on the contract date, which includes the following:

Task 1 a) Routine operation and monitoring of the blower flare station, extraction well system, and conveyance piping; b) Annual LFG Flare Visible Emission Testing; and c) Reporting.

Task 2 Non-routine scheduled maintenance.

Task 3 Non-routine unscheduled emergency services.

Task 4 Parts and subcontractors for non-routine services.

Task 5 Miscellaneous Services

in accordance with the Scope of Services, a copy of which is attached hereto as **“Attachment A”**.

ARTICLE 2. Time Schedule

Vendor anticipates their earliest starting date to be 10/1/22 from receipt of execution of this Work Authorization with an estimated duration of twelve (12) months to complete the Scope of Work.

ARTICLE 3. Budget

The cost estimate to conduct the Work as described in the below-listed Scope of Services is \$188,930.92. Costs will be invoiced on a time and materials basis. The County will be notified when the overall project budget is nearing its limit. Vendor’s fee amounts are detailed further in **“Attachment B”**. Vendor will be using rates previously established under Contract CM-2685.

ARTICLE 4. Other Provisions

The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. Additional terms or contract provisions whether submitted purposely or inadvertently, shall have no force or effect. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

Any Work Authorization entered into prior to expiration or termination set forth in the AGREEMENT shall continue in effect through the earlier of: (i) the date all of the Services thereunder have been fully completed and accepted by Nassau County, or (ii) until such time as such Work Authorization expires or is terminated in accordance with its terms or is terminated pursuant to Article 2 hereof.

In presenting this Work Authorization, Vendor agrees that:

Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Vendor. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services are attached.

AGREED TO BY:

BY: Sam Levin
Print Name: Sam Levin
Title: President
Date: 08-29-22

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

Department Head/Managing Agent: Doug Podiak 8/26/2022

Procurement: Seamus Holmes 8/26/2022

Office of Management & Budget: clris lacambra 8/29/2022

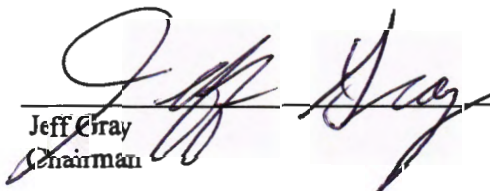
County Manager: Taco E. Pope AICP 8/29/2022
Taco E. Pope, AICP

Ex-Officio Clerk: *See below
John A. Crawford

County Attorney: Denise C. May 8/29/2022

APPROVED by the BOARD OF COUNTY COMMISSIONERS, this 26th day of September, 2022.

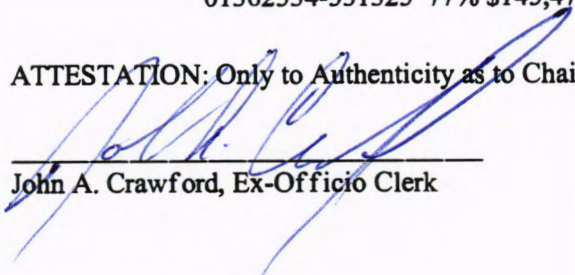
BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA



 Jeff Cray
 Chairman

ACCOUNT NO.: 01361534-531325 23% \$43,454.11
01362534-531325 77% \$145,476.81

ATTESTATION: Only to Authenticity as to Chairman's Signature:



 John A. Crawford, Ex-Officio Clerk

"ATTACHMENT A"

Scope of Services

**Fiscal Year 2023
Operation, Monitoring, Maintenance, and Reporting
for the
Landfill Gas Collection and Control System
at the
West Nassau Class I Landfill**

**County Contract Number: CM2685-WA30
S2Li Project Number: 22-978**

Work Authorization Service Period: Fiscal Year 2022 (October 1, 2022 through September 30, 2023)

This Work will provide for the operation, monitoring, maintenance, and reporting of the Landfill Gas (LFG) Collection and Control System (CCS or LFGCCS) at the West Nassau Landfill. The existing systems at the Landfill consist of approximately 50 vertical gas wells, 5 condensate pump station, 12 condensate connections to the leachate collection system risers, LFG header and lateral piping, control valves, 2 air compressors, blower and control station, and 1 candlestick flare. Under the scope of work for this Contract, S2L, Incorporated (S2Li) and its team of subconsultants shall perform four categories of service during a service time period, beginning on the contract date, which includes the following:

- Task 1 a) Routine operation and monitoring of the blower flare station, extraction well system, and conveyance piping;
- b) Annual LFG Flare Visible Emission Testing; and
- c) Reporting.
- Task 2 Non-routine scheduled maintenance.
- Task 3 Non-routine unscheduled emergency services.
- Task 4 Parts and subcontractors for non-routine services.
- Task 5 Miscellaneous Services.

It should be noted that this scope of services is for the period of October 1, 2022 through September 30, 2023.

County Responsibilities

In general, the County shall:

1. Provide access to the site at reasonable times.
2. Provide S2Li with records and copies of previous operations and monitoring reports, permits, maintenance reports, past semi-annual and annual reports to regulatory agencies, operation and maintenance manuals, operations plans, and correspondences to and from regulatory agencies.
3. Provide a Landtec GEM2000, GEM5000, or equivalent to measure LFG flow rates, composition, and pressures at each wellhead, header/lateral piping and at the flare stations. The County is responsible for satisfying the manufacturer's recommended factory maintenance of the instrument (every six months for the GEM2000 or every 12 months for the GEM5000), as well as any unscheduled repair or maintenance of the instrument). If the County cannot provide a calibrated gas measuring unit, S2Li will provide a unit and bill the County as a rental unit under Task 4.

4. Provide, replace, and store the Flare Station LFG flow chart. A continuous LFG flow monitoring system and recorder must continue to be provided and be maintained in order to comply with monthly greenhouse gas (GHG) monitoring.
5. Respond to system dialer alerts and alarms such as flare outages, blower shutdown, etc. and attempt to determine system fault and, if possible, restart the system. If the system cannot be restarted to normal continuous operations, notify S2Li to assist as provided under Task 3.
6. Record information into Startup, Shutdown, and Malfunction (SSM) Plan forms and provide them to S2Li. Report to S2Li any necessary changes.
7. By March 1st of each year, provide S2Li with any necessary records for the Title V annual operating report (due April 1st of each year).
8. Provide monitoring and reporting of the landfill's perimeter gas probes and within enclosed structures to the Florida Department of Environmental Protection (FDEP) per Section 2 - Specific Condition No. E4 (April 2020 Permit) of the long-term care permit.
9. Check the air compressor systems.
10. Replace or maintain compressed (nitrogen or air) gas canisters for the operation of the automatic control valves and propane gas canisters for the operation of the flare.
11. Provide for additional spare parts or other equipment if not sufficiently budgeted under this work authorization.
12. Pay for any required permit fees and the Title V Annual Emission Fee Invoice.

The West Nassau LFG Collection System is operated to vent all collected LFG to an open flare operated in compliance with New Source Performance Standards (NSPS) requirements. In the event that the collection system is inoperable, it will be shut down and any valves in the LFGCCS contributing to the venting of gas to the atmosphere will be closed within one hour. NSPS operational and testing requirements apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction does not exceed five days for collection systems and does not exceed one hour for treatment and control devices (i.e., flares).

Schedule

Work under the Scope of Services provided below will begin October 1, 2022 and run through this service period ending September 30, 2023.

Cost Estimate

The cost estimate to conduct the Work as described in the below-listed Scope of Services is **\$188,930.92**. A detailed breakdown for each task with the estimated labor hours and expenses is included in the attached Exhibit 1. Costs will be invoiced on a time and materials basis. The County will be notified when the overall project budget is nearing its limit.

Scope of Services

Task 1 – Routine Operation, Monitoring, Adjustments, and Reporting

The LFG collection and control systems for the West Nassau Landfill will be operated, maintained, and monitored in accordance with NSPS requirements per 40 Code of Federal Regulations (CFR) 60 Subpart WWW, including pertinent calibrations, monitoring, and reporting. Operation and monitoring will include, but not be limited to, the following schedule:

1.1 Blower/Flare Station

A. Monthly Blower/Flare Station Checks

S2Li will visit the site once per month to perform the following services:

1. Measure and record LFG composition (methane, carbon dioxide, oxygen, and balance gas percent by volume), pressure, and temperature at the flare inlet. This information will be utilized as a part of the annual GHG reporting requirements.
2. Record LFG flow rate to the flare and thermocouple temperature as displayed on the chart recorder or control panel indicator.
3. Measure and record the pressure at the condensate knockout pot, the blower inlet and outlet, the flame arrester inlet and outlet, and the pressure drop across the flame arrester.
4. Adjust the system to increase or decrease the LFG flow depending on the monitoring data to maintain proper gas quality and provide sufficient vacuum to the extraction system.
5. Minor items such as damaged monitoring ports and temperature gauges will be repaired or replaced when encountered. Major repair problems will be reported to the County immediately and covered under Task 2 as appropriate.
6. Check the flare pilot system and propane cylinder levels.
7. Check compressed nitrogen or air cylinder levels for the operation of the main automatic control valves.
8. Observe and record any problems with equipment including any flare shutdowns. Check and adjust controller setpoints.
9. Check air compressors' operation including above-ground airlines.
10. Check and add grease (if needed) for the blower bearings.

B. Quarterly Blower/Flare Station Checks

S2Li will visit the site quarterly (may be conducted during a normal monthly visit) to do the following:

1. Compressors' belt replacement (as needed).
2. Blow out compressors' airline (as needed).
3. Replace blower bearing grease. Services required will be addressed under Tasks 2 and 4.

C. Annual Blower/Flare Station Checks

S2Li will visit the site once per year to do the following:

1. Conduct a system test in cooperation with the County. Test all blower/flare controls, meters, chart recorders, and automatic feature functions including startup and shutdown checks, emergency shutdown valve function, and emergency call-out check.
2. Calibrate gas flow meters. (Provide County with calibration certification documentation.)
3. Check and clean the flare flame arrester and knock-out pot.
4. Clean the UV eye in the flare stack.

1.2 LFG Extraction System

A. Monthly LFG Extraction Systems Checks and Tuning

S2Li will visit the site at least once per month to do the following:

1. All system components shall be checked for proper operation in accordance with NSPS requirements 40 CFR 60.
2. Perform preventive and corrective maintenance relative to the LFG Extraction Systems in accordance with applicable federal and state laws, regulations, and permits and generally accepted or recommended industry maintenance practices, procedures and standards. Additional adjustments may be required to address odor concerns. Note: This service may be required under Tasks 2, 3, and 4.
3. At each well extraction point, the following shall be measured and/or observed and recorded.
 - a. LFG flow rate.
 - b. LFG composition (methane, carbon dioxide, oxygen, and balance gases). Oxygen levels above 5 percent shall be noted and addressed. Meeting oxygen parameters (<5%) is no longer required under NSPS requirements.
 - c. LFG pressure - Pressures shall be noted and addressed per NSPS requirements. *(Note: Since the landfill was closed with the use of geomembrane or synthetic cover, positive pressures are allowed. However, the facility will be tuned such that each well will be pulling a vacuum, if possible).*
 - d. LFG temperature - Temperatures equal to or above 131 degrees Fahrenheit shall be noted and addressed per NSPS requirements.
 - e. The condition of the wellhead piping and well bore seal condition at the landfill surface.
 - f. In conjunction with the once-per-month monitoring, adjustments to the system shall be made as required to maintain odor control, system balance, and NSPS compliance. If pressure, composition, and temperature exceedances as noted above cannot be corrected within 15 days by adjusting the system, S2Li will notify the County and the FDEP. A plan will be developed by S2Li with County input and with the Subcontractor’s assistance, to correct the exceedance within 120 calendar days. Any such corrective actions shall be conducted in accordance with Tasks 2, 3, and 4.
 - g. Check condensate handling system for proper operation. Perform an external inspection of condensate sumps, condensate traps, pump stations, and condensate discharge locations. Where the pumps discharge to an above-ground well riser or below-ground injection system, visually confirm that liquid is being pumped.
 - h. Report to the County within 24 hours of measurement or observation, any abnormal readings of LFG temperature (131 degrees Fahrenheit or greater, oxygen levels above 5 percent) or other observations (such as a smoky odor or substantial waste settlement) which may be indicative of a subsurface landfill fire. This reporting procedure is not necessary for wells operating under an “Alternative Operating Procedure (AOP)” as allowed under the Title V permit.

There may be a need for follow-up work related to retesting after adjustment to the wellfield system, per NSPS requirements, or for any corrections to the system. One additional day per month has been budgeted for retesting wells and connections points found to be out of compliance during the routine monthly monitoring event. This work does not include any non-routine services, or the purchase and installation of required parts and supplies included under Tasks 2, 3, and 4.

B. Annual LFG Extraction System Checks

S2Li will visit the site once per year to perform the following services:

1. Condensate pumps shall be pulled and inspected with some pumps requiring more in-depth servicing due to their particular environment
2. Exercise all valves annually.
The wellhead valves will be exercised on an annual basis. If it reaches a point where five valves failed the exercising procedure, the exercising of the valves will be discontinued until after the valves are either repaired or replaced. Upon approval by the County, work to repair or replace the items identified under this task will be billed under Tasks 2 and 4 assuming sufficient funds are available.
3. Surface Emission Testing (Annual Testing)
The West Nassau Landfill gas collection and control system is operated to prevent methane concentrations from exceeding 500 parts per million by volume (ppm_v) above background levels at the surface of the landfill. To determine if this level is exceeded, surface testing is performed around the perimeter of the collection area and along a pattern that traverses the landfill at 30-meter intervals including at each well location, at the open penetration locations, and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. A surface monitoring design plan has been developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. A monitoring probe will be kept within 2 to 4 inches of the landfill surface while continuous sampling is performed. Surface emissions testing is performed using an NSPS-compliant portable monitor and in compliance with all NSPS procedures. Results from the surface monitoring will be included in the semi-annual NSPS report submitted to FDEP. The testing day will be scheduled during typical weather conditions for the time of year but may need to be changed due to forecasted heavy rains or unseasonably high winds.

Because no exceedances have occurred in at least the past three quarterly surface emission monitoring periods, the County is allowed to reduce the frequency of surface testing to once per year, as long as there are no additional exceedances recorded during subsequent testing periods. If exceedances do occur, additional testing periods will be required. These additional testing or retesting events are not included in this scope of services and can be provided as an additional service or provided as a component of unscheduled maintenance, as described within Task 2.

Any reading of 500 ppm_v or more above background measured at any location during the surface emissions testing is recorded as a monitored exceedance. In the event of exceedance, the County will be notified, and corrective actions implemented as described below. The exceedance is not a violation of the NSPS operational requirements as long as the following actions are taken:

- The location of each monitored exceedance will be marked and the location recorded;
- Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the LFG collection in the vicinity of each exceedance will be made and the location will be retested within ten calendar days of the initial exceedance;
- If retesting of the location shows a second exceedance, additional corrective action(s) will be taken and the location will be monitored again within ten days of the second exceedance;

- Any location that initially showed an exceedance but has a methane concentration less than 500 ppm_v, methane above background at the time of the ten-day retesting, will be retested one month from the initial exceedance. If the one-month retesting shows a concentration of less than 500 ppm_v, above background, no further monitoring is required until the next quarterly monitoring period. If the one-month retesting shows an exceedance, corrective action will be taken and the location will be monitored within ten days of the second exceedance, or additional corrective actions (listed below) will be taken; and
- For any location where monitored methane concentrations equal or exceed 500 ppm_v, above background three times within a quarterly period, corrective actions will be taken. Corrective actions will include a new well or other collection devices that will be installed within 120 days of the initial exceedance. An alternative remedy, if approved, may include upgrading the blower(s), header pipe(s), and/or control device(s).

1.3 Annual LFG Flare Visible Emission Testing and Reporting

For the flare, the following is to be completed:

- A. Prepare a notification letter for submittal by the County to the FDEP. Notification is required to be submitted 15 days before testing begins.
- B. Conduct a visible emissions test for each flare in accordance with the U.S. Environmental Protection Agency (USEPA) Method 22. The maximum allowable visible emissions may not exceed 20 percent.
- C. Prepare a test report summarizing the test requirements, conditions during the test, and test results. The report shall include the information required by Chapter 62-297, Florida Administrative Code (F.A.C.), and U.S. EPA Method 22. A draft of the report will be submitted to the County for review within 15 days of completion of the test. After review and approval by the County, the final report will be submitted to FDEP within 30 days of the test.

1.4 Reporting

- A. Monthly Reporting
 - i. A summary report shall be submitted to the County around the 15th of each month summarizing the previous month of operation including the NSPS report utilizing an online database program.
 - ii. All wellhead monitoring data required under the NSPS shall be kept on file and stored/backed up off-site as part of the online database system. The monthly report shall include wellhead readings of gas composition (methane, carbon dioxide, oxygen, and balance gas), pressure, temperature, and flow rate. Readings and comments shall also be included for rechecks of wells that are out of compliance with the NSPS wellhead operating criteria. The report shall detail the cause of the non-compliance, all remedial actions taken to correct the non-compliance, any future work that may be necessary to keep the wells in compliance with the NSPS requirements, and any other information as required under this Task.
 - iii. Flare station data to be included in the report shall include gas composition and temperature, vacuum applied to the header system and flow rate.
 - iv. Any condensate management system monitoring data shall also be provided in the monthly report.
 - v. The monthly report shall detail all work conducted and confirm the system is being maintained in compliance with the NSPS. Any corrections conducted on the system or required to be conducted shall be listed. The report shall include a narrative summary of any significant trends in the monitoring data and explanations of anomalous data. Recommendations shall also be provided regarding potential non-routine repairs that are anticipated.

B. Semi-Annual Reporting

This task addresses the semi-annual reports required by the facility's Title V Operation Permit and Solid Waste Long-Term Care Permit. These reports will be prepared for submittal by the following dates:

- 2022 Second Semi-Annual Report (July 1 through December 31, 2022): by January 30, 2023.
- 2023 First Semi-Annual Report (January 1 through June 30, 2023): by July 30, 2023.
- 2022 Second Semi-Annual Methane Monitoring Report by January 31, 2023.
- 2023 First Semi-Annual Methane Monitoring Report by July 31, 2023.

i. Semi-Annual NSPS Report

S2Li will prepare semi-annual reports required under 40 CFR 60.757(f) and (g), and will include the following information:

- Value and length of time for exceedance of applicable monitoring parameters.
- Description and duration of all periods when the control device was not operating for a period exceeding one hour and the length of time the control device was not in operation.
- List of periods when the collection system was not operating in excess of five days.
- Description and duration of all periods when the gas stream was diverted from the control device through the bypass line.
- The location of each exceedance of the 500 ppm_v volatile organic compounds (VOC) as methane surface-emission criteria.
- A diagram of the collection system showing all wells and collectors, including the areas excluded from collection and the areas into which the system is added in the future. This diagram will be provided by the County and include all new work that occurred during the reporting period.

ii. Semi-Annual SSM Report

S2Li will prepare semi-annual reports which will include the number of SSM events and whether or not SSM Plan procedures were followed. This information will be incorporated into the semi-annual NSPS report. Any changes required to be made to the SSM Plan are not included in this scope of services.

iii. Semi-Annual Statement of Compliance Form Submittal

S2Li will prepare and provide the Title V Statement of Compliance in draft form for County review on a semi-annual basis. After addressing any County-suggested improvements, the final form will be submitted to the County for signature by the County's Responsible Official. This information will be incorporated into the semi-annual NSPS report.

iv. NSPS Report Submittal

S2Li will provide one draft copy of the NSPS report for the County's review. Upon receipt of comments from the County, S2Li will submit one copy of the signed semi-annual reports to FDEP, and one copy for the County's files. Additionally, an electronic copy of the report will also be provided to each recipient.

v. Semi-Annual Methane Monitoring Reports

S2Li will utilize County equipment and test semi-annually for methane concentrations at 29 gas monitoring probes located near the property boundary and within ambient air inside identified enclosed structures within the landfill boundary to determine the effectiveness of the gas migration controls. S2Li will prepare and submit a report of the testing results to FDEP semi-annually. The gas monitoring results shall be reported as a percent of the lower explosive limit

(LEL), calibrated to methane. In accordance with the permit, monitoring probes shall be monitored by July 31 and January 31 of each year. Testing usually occurs in June and December each calendar year. The report shall be submitted to the FDEP under separate cover no later than 15 days after the end of the period in which the monitoring occurred.

C. Annual Reporting

1. GHG Reporting. West Nassau Landfill has been subject to the requirements of Title 40 of the Code of Federal Regulations (CFR), Part 98: Mandatory GHG Reporting because it emits GHG in amounts greater than 25,000 metric tons or more of carbon dioxide equivalent (MTCO_{2e}) per year. As a result, the County has been collecting data and submitting GHG emission reports every year before March 31st following the year of data collection. S2Li shall utilize the eGGRT reporting tool available online from the USEPA to report GHG emissions. S2Li shall respond to any questions from USEPA related to this submittal.
2. Annual Title V Operating Report Submission and Emissions Fee. S2Li shall prepare the required annual operating report for the West Nassau Landfill, and submit the report prior to April 1, 2023 for the reporting calendar year 2022. A draft of the report shall be submitted to the County for its review, any improvements implemented, and the final submitted electronically via the FDEP electronic annual operating report (EAOR) submittal process. S2Li shall respond to any questions from FDEP related to this submittal.

As part of the new process developed by the FDEP, the emissions fee will be calculated by FDEP's EAOR software at the time of submission of the annual operating report. S2Li shall provide the County with a copy of the fee invoice to be paid to FDEP at least three weeks prior to the April 1st deadline to assist in the payment of the fees. S2Li shall respond to any questions from FDEP related to this submittal.

3. Annual Title V Statement of Compliance. S2Li shall prepare the Statement of Compliance report and associated documentation and calculations demonstrating/documenting the site's compliance with its Title V permit during calendar year 2022. This report will be submitted prior to the April 1st deadline and will list any deviations from the regulatory requirements. The report and associated backup material shall be reviewed in draft form by County representatives, improvements implemented, and the final statement submitted to FDEP. S2Li shall respond to any questions from FDEP related to this submittal.
4. On-Line Data Management System. S2Li is to provide and maintain an online data management system. S2Li is to input data in the data management system collected during the services conducted under Task 1. County staff will be given access to the system. The County is paying for an annual license to be prorated in monthly payments. Should the County decide to cancel the license before the end of the fiscal year, the County will be required to pay the balance of the licensing costs.

Task 2 – Non-Routine Scheduled Maintenance

- A. S2Li's duties under this section shall include non-routine scheduled maintenance consisting of corrective repair or maintenance work identified during the monthly monitoring. This work shall include but not be limited to:
 1. Header and lateral pipe realignment.
 2. Determining water levels in wells.
 3. Adding pumps to wells.
 4. Resetting of pipe supports.

5. Repairing of broken valves.
6. Replacing well heads.
7. Replacing flex hoses (e.g., torn, degraded, needs extension).
8. Overseeing the repair of all items associated with the landfill cap which resulted from the repair or movement of header pipes and/or lateral lines.
9. Overseeing the repair of landfill closure liner cap system.
10. Adding new monitoring ports as needed to measure pressure levels.
11. Repairing or replacing damaged or broken monitoring ports, valves, couplings, thermometers, and clamps.
12. Cleaning and adjusting of the flame arrester.
13. Cleaning and adjusting condensate pumps and components.
14. UV eye cleaning.
15. Replacing flare station components such as thermocouples, etc.
16. Replacing or cleaning the filter within the Knockout Pot at the Flare Station.
17. LFG analytical sampling.
18. Replacing or maintaining propane tanks for the operation of the ignition systems.
19. Providing rental equipment.
20. Changing bearing grease for the blower (quarterly).
21. Having LFG flow meter removed, calibrated, and reinstalled. A temporary rental meter may be required to be installed and removed.
22. Assessing, ordering, and/or replacement of parts.

B. This type of work under Task 2 is critical for system operation and the required services are difficult to predict during a contract service period. Some of these services under Task 2 may be provided by a specialized subcontractor. The number of authorized hours may exceed the amount budgeted for this work authorization due to the level of effort required under Task 2. These additional hours may potentially utilize a portion of the budget allocated for parts or other services. Payment for Task 2 shall be billed at the contract hourly rate. All parts and/or rental equipment are to be paid at the delivered cost. S2Li shall submit a copy of the invoice for the parts used for price verification along with the invoice submitted to the County for payment under Task 4 – Parts and Subcontractors for Non-Routine Services unless the County elects to provide a Purchase Order for the direct purchase of a part. Should a Subcontractor be required for construction-related work, it must be authorized in writing by the County under Task 4 – Parts and Subcontractors for Non-Routine Services. The total costs for the services provided under this task are limited to the budgeted amount under this task. If the costs for services are expected to exceed the budget amount or amount remaining under this task, S2Li will notify the County and alternative funding will be obtained.

Task 3 – Non-Routine Unscheduled Emergency Services

S2Li duties under this task include events that require immediate response to assist County personnel. Due to the urgent nature of these items, they cannot be scheduled. The events and services under this task could include, but are not limited to:

- a. Blower/Flare Station shut down;
- b. Repair of main header or lateral line breaks;
- c. Response to odor complaints;
- d. Installing replacement extraction wells;
- e. Repair/maintenance and troubleshooting of the blowers and flare; and
- f. The detection of LFG migration.

Sampling of LFG composition and pressures within various locations of the header pipe may also be necessary to diagnose problems within the LFG collection system, such as condensate accumulation, pipe obstructions, broken valves, etc.

S2Li is available to be contacted 24 hours a day, 7 days a week and, if required, will usually be on-site within 24 hours of notification.

S2Li Contact: Omar E. Smith, P.E., V.P.,
Regional Manager
Tel: 407-475-9163
Cell: 770-330-1638

Work under this task shall be conducted upon authorization by the County and shall be billed at the hourly contract rate for Task 3. All parts are to be paid at the delivered cost. Should a Subcontractor be required for specialty-related work, it must be authorized in writing by the County under Task 3 or Task 4 – Parts and Subcontractors for Non-Routine Services.

The total costs for the services provided under this task are limited to the budgeted amount under this task. If the costs for services is expected to exceed the budget amount or amount remaining under this task, S2Li will notify the County and alternative funding will be obtained.

Task 4 - Parts and Subcontractors for Non-Routine Services

- A. Required parts and/or rental equipment provided by S2Li’s services under Tasks 2 and 3 are to be paid under Task 4. All parts or equipment are to be paid at the delivered cost. S2Li shall submit a copy of the invoice for the parts or rental equipment used for price verification along with the invoice submitted to the County for payment from the funds allocated for Task 4 – Parts and Subcontractors.
- B. Should S2Li require a Subcontractor for specialty-related work such as realignment of lateral and header lines, repairs to the Flare Station, or repair to the liner cap system, etc., an estimate for the Subcontractor’s work shall be submitted to the County for review and approval. The Subcontractor’s work must be authorized by the County. No work shall be conducted under this task unless authorized, in writing, by the County.
- C. S2Li shall submit a copy of the Subcontractor’s invoice for price verification along with S2Li’s invoice. The total costs for the services provided under this task are limited to the budgeted amount under this task. If the costs for services are expected to exceed the budget amount or amount remaining under this task, S2Li will notify the County and alternative funding will be obtained.

Task 5 – Miscellaneous Services

S2Li is to provide miscellaneous services to address assignments by the County including updating of existing reports, preparation of new reports, addressing rule changes, etc. The total work effort is limited to the budget limit provided in this work authorization.

"EXHIBIT 1"

7/25/2022

Service Period Estimate

Fiscal Year 2023 (October 1, 2022 through September 30, 2023)

S2Li No.: 22-978

Nassau County No.: CM2685-WA30

Total Project Costs

S2Li Fee Estimate

Operation, Monitoring, Maintenance, and Reporting

Landfill Gas Collection and Control System

West Nassau Class I Landfill

Nassau County, Florida

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./	Regional Manager/	Principal	Senior	Project	Associate	Field			Office		
		Principal	QC Officer	Engineer	Engineer	Engineer	Engineer/CADD	Technician			Manager		
TASK	DESCRIPTION	\$250.00	\$232.25	\$190.26	\$137.00	\$87.92	\$74.21	\$52.38			\$76.24		
1	Routine Operation, Monitoring, Adjustments, and Reporting	23	151	0	46	100	300	0			40	660	\$82,230.49
1.1	Blower/Flare Station (12 events)	0	24	0	0	12	12	0			0	48	\$7,639.56
1.2	LFG Extraction System (2/month; 24 events)	12	48	0	24	48	240	0			12	384	\$40,863.60
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)	1	3	0	4	0	0	0			2	10	\$1,647.59
1.4	Reporting												\$0.00
1.4A	Monthly (12 events)	6	48	0	12	24	36	0			12	138	\$20,229.60
1.4B	Semi-Annual (2 events)	2	16	0	4	8	8	0			12	50	\$7,056.28
1.4C	Annual Title V Operating Report/GHG Report/SOC	2	12	0	2	8	4	0			2	30	\$4,793.86
2	Non-Routine Scheduled Maintenance	2	24	0	6	36	96	0			1	165	\$17,622.06
3	Non-Routine Unscheduled Emergency Services	2	16	0	0	8	8	0			1	35	\$5,669.28
4	Parts and Subcontractors for Non-Routine Services	0	8	0	8	0	4	0			2	22	\$3,404.04
5	Miscellaneous Services	1	12	0	6	0	0	0			2	21	\$4,012.02
SUBTOTALS:		28	211	0	66	144	408	0	0	0	46	903	\$112,937.89

EXPENSES		Field Vehicle (\$110/day) (Attach. 1)	Lab Testing (est.)	Equipment Rental (est.) (Attachment 2)	Parts (est.) (Attachment 2)	Landtec Web Data Base (Attachment 2)	Grove Scientific (see Attachment 1)	Subcontractors (est.) (Attachment 2)					SUBTOTAL EXPENSES
TASK	DESCRIPTION												
1	Routine Operation, Monitoring, Adjustments, and Reporting												\$ -
1.1	Blower/Flare Station (12 events)												\$ -
1.2	LFG Extraction System (2/month; 24 events)	\$ 2,640.00					\$6,142.76						\$ 8,782.76
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)						\$2,001.32						\$ 2,001.32
1.4	Reporting												\$ -
1.4A	Monthly (12 events)					\$ 6,900.00							\$ 6,900.00
1.4B	Semi-Annual (2 event)						\$13,246.76						\$ 13,246.76
1.4C	Annual Title V Operating Report/GHG Report						\$10,602.19						\$ 10,602.19
2	Non-Routine Scheduled Maintenance	\$ 1,320.00			\$ 500.00								\$ 1,820.00
3	Non-Routine Unscheduled Emergency Services				\$ 2,100.00			\$ 9,540.00					\$ 11,640.00
4	Parts and Subcontractors for Non-Routine Services			\$ 3,100.00	\$ 4,500.00			\$ 13,400.00					\$ 21,000.00
5	Miscellaneous Services												\$ -
SUBTOTALS:		\$ 3,960.00	\$ -	\$ 3,100.00	\$ 7,100.00	\$ 6,900.00	\$ 31,993.03	\$ 22,940.00					\$ 75,993.03

Estimated Fee By Landfill for County Accounting Purposes:			COST SUMMARY				
			TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
West Nassau Class I Lined Landfill (42 acre area):	\$ 145,476.81	77%	1	Routine Operation, Monitoring, Adjustments, and Reporting	\$82,230.49	\$41,533.03	\$123,763.52
West Nassau Unlined Landfill (11 acre area):	\$43,454.11	23%	2	Non-Routine Scheduled Maintenance	\$17,622.06	\$1,820.00	\$19,442.06
			3	Non-Routine Unscheduled Emergency Services	\$5,669.28	\$11,640.00	\$17,309.28
			4	Parts and Subcontractors for Non-Routine Services	\$3,404.04	\$21,000.00	\$24,404.04
			5	Miscellaneous Services	\$4,012.02	\$ -	\$4,012.02
Total:	\$ 188,930.92	100%	TOTALS		\$112,937.89	\$75,993.03	\$188,930.92

CM2685-WA30

July 25, 2022

Service Period Estimate
Fiscal Year 2023 (October 1, 2022 through September 30, 2023)
Operation, Monitoring, Maintenance, and Reporting
Landfill Gas Collection and Control System
West Nassau Class I Landfill
Nassau County, Florida

S2Li No. 22-978
 County No. CM2685-WA30

Attachment 1 - GROVE Scientific Fee Estimate - Subconsultant

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR	
		Sen. Scientist/ Principal \$126.57	Sen. Engineer/ Profession Engineer \$225.00	Professional Geologist \$57.92	Environ. Scientist \$84.38	Environ. Specialist \$70.38	Technician \$35.10				Para. Professional \$59.67			
TASK	DESCRIPTION													
1	Routine Operation, Monitoring, Adjustments, and Reporting	51	9	0	255	0	20					0	335	\$31,773.03
1.1	Blower/Flare Station (2/month; 12 total)	0	0	0	0	0	0				0	0	0	\$0.00
1.2	LFG Extraction System (Surface Emission Testing, 1 event)	12	1	0	48	0	0				4	65	65	\$6,032.76
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)	12	0	0	3	0	0				2	17	17	\$1,891.32
1.4	Reporting													
1.4A	Monthly (12 events)	0	0	0	0	0	0				0	0	0	\$0.00
1.4B	Semi-Annual (2 event)	12	8	0	112	0	0				8	120	120	\$13,246.76
1.4C	Annual Title V Operating Report/GHG Report	15	0	0	92	0	20				4	131	131	\$10,602.19
2	Non-Routine Scheduled Maintenance	0	0	0	0	0	0				0	0	0	\$0.00
3	Non-Routine Unscheduled Emergency Services	0	0	0	0	0	0				0	0	0	\$0.00
4	Parts and Subcontractors for Non-Routine Services	0	0	0	0	0	0				0	0	0	\$0.00
5	Miscellaneous Services													
	SUBTOTALS:	51	9	0	255	0	20	0	0	0	0	0	335	\$31,773.03

EXPENSES		Field Vehicle (\$110/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)	Landtec Web Data Base (\$500/m)	Subcon- tractors (est.)						SUBTOTAL EXPENSES
TASK	DESCRIPTION												
1	Routine Operation, Monitoring, Adjustments, and Reporting	\$ 220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$220
1.1	Blower/Flare Station (2/month; 12 total)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.2	LFG Extraction System (Surface Emission Testing, 1 event)	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)	\$ 110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110
1.4	Reporting												
1.4A	Monthly (12 events)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.4B	Semi-Annual (2 event)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1.4C	Annual Title V Operating Report/GHG Report	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	Non-Routine Scheduled Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3	Non-Routine Unscheduled Emergency Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4	Parts and Subcontractors for Non-Routine Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	Miscellaneous Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	SUBTOTALS:	\$ 220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220
TOTAL												\$31,993.03	

CM2685-WA30

Service Period Estimate
Fiscal Year 2023 (October 1, 2022 through September 30, 2023)
Operation, Monitoring, Maintenance, and Reporting
Landfill Gas Collection and Control System
 West Nassau Class I Landfill
 Nassau County, Florida

S2Li No. 22-978
 County No. CM2685-WA30

Attachment 2 - Estimate of Parts, Rental Equipment, Sullivan Environmental, Subcontractors, Misc.

Parts, Rental Equip., Subcontractors, Misc. Cost Estimate												FY2023
No.	Item/Event	Manufacturer or Subcontractor	\$/Item or Event	Item or Event Type	No. of Items or Events	Total Cost	Costs Under		Costs Under		Costs Under	
							Task 1	Task 2	Task 3 -Exp	Task 3 -Sub	Task 4-Exp	Task 4-Sub
1.	GEM5000 Rental		\$ 250	per day	4	\$ 1,000					\$ 1,000	
2.	Blower/Motor Belt (est)		\$ -	ea.	0	\$ -					\$ -	
3.	Blower Replacement Grease & Disposal	Sullivan Envir.	\$ 1,500	per event	4	\$ 6,000						\$ 6,000
4.	Flow Meter Calibration											
	- Manufacturer Calibration & Rental Costs	Thermal Instr.	\$ 1,200	per event	1	\$ 1,200					\$ 1,200	
	- Field Removal and Install Costs	Sullivan or S2Li	\$ 1,275	per event	2	\$ 2,550						\$ 2,550
5.	Flare Station Check/Maintenance											
a.	- UV Eye Cleaning and visual inspection											
	Rental - Manlift	Rental	\$ 900	per event	1	\$ 900					\$ 900	
	Labor	Sullivan Envir.	\$ 2,100	per event	1	\$ 2,100						\$ 2,100
	- Mob/Demob	Sullivan Envir.	\$ 1,200	per event	1	\$ 1,200						\$ 1,200
b.	- Cleaning of knock-out pot filter	Sullivan Envir.	\$ -	per event	1	\$ -						\$ -
c.	- Cleaning of flare arrestor	Sullivan Envir.	\$ -	per event	1	\$ -						\$ -
d.	- System Check - Mics Equipment & Parts	Sullivan Envir.	\$ 200	per event	1	\$ 200						\$ 200
6.	Condensate Pump - Shop Cleaning/Repair	Sullivan	\$ 350	per event	1	\$ 350						\$ 350
7.	GW-6 or 11 Type Repair	Sullivan Envir.										
a.	Parts	Isco	\$ 800	per event	2	\$ 1,600			\$ 1,600			
b.	Labor	Sullivan Envir.	\$ 1,020	per event	2	\$ 2,040				\$ 2,040		
8.	Sullivan Envir. Mob/Demob	Sullivan Envir.	\$ 1,200	per event	1	\$ 1,200				\$ 1,200		
9.	Emergency Subcontractor Services		\$ 3,000	ea.	1	\$ 3,000				\$ 3,000		
10.	Miscellaneous Costs	Sullivan Envir.	\$ 1,300	per event	1	\$ 1,300				\$ 1,300		
	Total Cost Estimate					\$ 24,640	\$ -	\$ -	\$ 1,600	\$ 7,540	\$ 3,100	\$ 12,400
	Other											
1.	Truck Rental		\$ 110	per day	36	\$ 3,960	\$ 2,640	\$ 1,320				
2.	Ecotec Database	Ecotec	\$ 575	per month	12	\$ 6,900	\$ 6,900					
3.	Spare Parts											
a.	Parts - Miscellaneous		\$ 2,000	ea.	1	\$ 2,000					\$ 2,000	
b.	Parts - Wellheads		\$ 500	ea.	4	\$ 2,000					\$ 2,000	
	Total Parts		\$ 2,500			\$ 4,000	\$ -	\$ -	\$ -	\$ 4,000		
4.	Miscellaneous or Identifiable Costs					\$ 4,500	\$ 500	\$ 500	\$ 2,000	\$ 500	\$ 1,000	
TOTAL						\$ 44,000	\$ 9,540	\$ 1,820	\$ 2,100	\$ 9,540	\$ 7,600	\$ 13,400

CM2685-WA30

Note: Due to the current inflationary adjustments and increased costs, actual costs may vary.

\$ 9,540 \$ 1,820 \$ 11,640 \$ 21,000



July 7, 2022

Mr. Omar E. Smith, P.E.
 S2L, Inc.
 531 Versailles Drive, Suite 202
 Maitland, FL 32751

Re: Landfill Operations and Maintenance Fee Schedule
 S2L, Inc. / Nassau County Continuing Contract for Engineering Services

Dear Mr. Smith:

Sullivan Environmental, Inc. (SEI) herein presents to S2Li our proposed Field Services Fee Schedule for landfill operations and maintenance services at the West Nassau Landfill located in Callahan, FL.

**S2L, Inc. / Nassau County
 Landfill Operations and Maintenance Services Contract Support**

Personnel Classification	Hourly Billing Rate (1)
Project Manager/Sr. Superintendent	\$164.25 (2)
Sr. Field Technician/Equipment Operator	\$152.80 (2)
Field Technician	\$136.80 (2)
Laborer	\$50.00 (2)
Secretarial	\$85.00 (2)

- (1) Billing Rates include typical travel expenses such as lodging, meals and mileage.
- (2) As required, on a project-by-project basis, equipment rental and/or project materials will be coordinated and paid for by S2L, Inc. or Nassau County.

The above billing rates will remain in force through September 30, 2023.

Sincerely,

Kristine Sullivan
 Vice- President
 Sullivan Environmental, Inc.



CM2685-WA30

ECOTEC Solutions, Inc.
 850 S Via Lata, Suite 115
 Colton, CA 92324
 (909) 906-1001

Quote

Page 1 of 1



0003595

QUOTE DATE: 6/28/2022

SALESPERSON: SW

CUSTOMER NUMBER: 20-5101680

QUOTE Expiration Date: 10/30/2022

SOLD TO:
 S2L Incorporated
 531 Versailles Drive
 Suite 202
 Maitland, FL 32751

SHIP TO:
 S2L Incorporated
 531 Versailles Drive
 Suite 202
 Maitland, FL 32751

Confirm To: Greg Brunson/Omar Smith
 osmith@s2li.com

gbrunson@s2li.com

CUSTOMER PO#	SHIP VIA	F.O.B.	TERMS
		Colton	NET 30

ITEM	ORDERED	SHIPPED	BACKORDER	UNIT PRICE	EXTENSION
S2LI No.: 22-978 Nassau County No.: CM2685-WA30					
/SW-SUB-ANNUAL Software Subscription Annual Envirocomp Services from October 1, 2022 - September 30, 2023 West Nassua Landfill					6,900.00

Thank you for your business!

TERMS: · Signature below acknowledges acceptance of ECOTEC's Standards Terms & Conditions. · Net 30 Days; Past 30 Days 1.5% per month interest. · FOB Shipping Dock unless otherwise noted. · This quote is valid for 30 days from date of issue. · All Payments will be paid in U.S. Currency. · Applicable sales tax and shipping & handling charges will be added to invoice. ··· To place this order: Please Sign, Date, Include your Purchase Order Number and Return via Fax or Email.

Net Order: 6,900.00
 Less Discount: 0.00
 Estimated Freight: TBD
 Sales Tax: 0.00

Signature: _____ Date: _____ Purchase Order # _____

**Operation, Monitoring, Maintenance, and Reporting
FY2023**

**Landfill Gas Collection and Control System
West Nassau Landfill, Nassau County, Florida**

Form Date: 7/25/22

Contract Service Period: October 1, 2022 through September 30, 2023	Fiscal Year Month	FY2023											
		Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	April 23	May 23	June 23	July 23	Aug 23	Sept 23
Routine Operation, Monitoring, Adjustments, and Reporting													
1. Blower/Flare Station													
<u>A. Monthly Blower/Flare Station Checks</u>													
Measure and record LFG composition		•	•	•	•	•	•	•	•	•	•	•	•
Record LFG flow rate to the flare and thermocouple temperature		•	•	•	•	•	•	•	•	•	•	•	•
Measure and record pressure		•	•	•	•	•	•	•	•	•	•	•	•
Adjust the system to increase or decrease the LFG flow		•	•	•	•	•	•	•	•	•	•	•	•
Repair or replace damaged monitoring ports and temperature gauges		•	•	•	•	•	•	•	•	•	•	•	•
Check flare pilot system and propane cylinder levels		•	•	•	•	•	•	•	•	•	•	•	•
Check compressed nitrogen or air cylinder levels		•	•	•	•	•	•	•	•	•	•	•	•
Observe and record any problems with equipment		•	•	•	•	•	•	•	•	•	•	•	•
Check air compressors' operation		•	•	•	•	•	•	•	•	•	•	•	•
Open flare base drain to allow liquid to drain then close		•	•	•	•	•	•	•	•	•	•	•	•
Check and add grease		•	•	•	•	•	•	•	•	•	•	•	•
<u>B. Quarterly Blower/Flare Station Checks</u>													
Blow out compressors' airline (as needed).		•			•			•			•		
Change blower bearing grease		•			•			•			•		
<u>C. Annual Blower/Flare Station Checks</u>													
Conduct a System test								•					
Manufacturer calibration of gas flow meter/Rent Flow Meter						•							
Check and clean the flare arrestor								•					
Check and clean knock-out pot								•					
Check and clean the UV eye in the flare stack								•					
Pull, inspect, and clean pneumatic pump								•					
2. LFG Extraction System													
<u>A. Monthly LFG Extraction Systems Checks and Tuning</u>													
All system components shall be checked for proper operation		•	•	•	•	•	•	•	•	•	•	•	•
Perform preventive and corrective maintenance		•	•	•	•	•	•	•	•	•	•	•	•
At each well: measured and/or observed and record the following:		•	•	•	•	•	•	•	•	•	•	•	•
LFG flow rate		•	•	•	•	•	•	•	•	•	•	•	•
LFG composition		•	•	•	•	•	•	•	•	•	•	•	•
LFG pressure		•	•	•	•	•	•	•	•	•	•	•	•
LFG temperature		•	•	•	•	•	•	•	•	•	•	•	•
The condition of the well head piping and well bore seal condition		•	•	•	•	•	•	•	•	•	•	•	•
Adjustments to the system		•	•	•	•	•	•	•	•	•	•	•	•
Check condensate handling system		•	•	•	•	•	•	•	•	•	•	•	•
Record condensate pump counters		•	•	•	•	•	•	•	•	•	•	•	•
Report within 24 hours of measurement or observation any abnormal readings		•	•	•	•	•	•	•	•	•	•	•	•
<u>B. Semiannual LFG Extraction System Checks</u>													
Condensate pumps shall be pulled and inspected (annually for all, 2 semi)			•	2 pumps					•	All			
<u>C. Annual LFG Extraction System Checks</u>													
Exercise all valves semi-annually								•					•
Check for Open Penetrations leaks and tighten staples @ well boots, etc. prior to SEM testing date						•		•					
Surface Emission Testing								•					
3. Annual LFG Flare Visible Emission Testing and Reporting												•	
4. Reporting													
A. Monthly Reporting to County		•	•	•	•	•	•	•	•	•	•	•	•
B. Semi-Annual Reporting to FDEP													
Semi-Annual NSPS Report					•						•		
A. Annual Reporting to FDEP													
GHG Reporting								•					
Annual Title V Operating Report Submission and Emissions Fee								•					
Annual Title V Statement of Compliance								•					
5. Methane (LEL) Monitoring at Property Boundary (GP-1 through GP-29)											•		

CM2685-WA30

Requisition Form
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
 96135 Nassau Place Suite 1
 Yulee, FL 32097

VENDOR NAME/ADDRESS
S2Li 531 Versailles Drive Suite 202 Maitland, FL 32751-7301

DEPARTMENT
Solid Waste

REQUESTED BY
Becky Diden

VENDOR NUMBER	PROJECT NAME	FUNDING SOURCE	AMOUNT AVAILABLE	STANDARD PO OR ENCUMBER ONLY	CONTRACT NO.
		See Breakdown		Standard PO	CM#2685
ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	
1	Operation, Monitoring, Maintenance, and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill	1.00	\$ 145,476.81	\$ 145,476.81	01362534-531325 77%
				\$ 0.00	
				\$ 0.00	
		1.00	\$ 43,454.11	\$ 43,454.11	01361534-531325 23%
				\$ 0.00	
	Oct 1 - Sept 30 FY 22/23			\$ 0.00	
	Reducing PO Request			\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	
				\$ 0.00	

ORIGINAL - FINANCE Shipping Total \$ 0.00
 COPY - DEPARTMENT Total \$ 188,930.92

Department Head

I attest that, to the best of my knowledge, this requisition reflects accurate information, has been reviewed, budgeted for and follows the Nassau County Purchasing Policy.

Doug Podiak 8/26/2022

Office of Management and Budget

I attest that, to the best of my knowledge, funds are available for payment.

Chris Lacambra 8/29/2022 *JP*

Procurement Director

I attest that, to the best of my knowledge, this requisition is accurate and necessary and is consistent with the Nassau County Purchasing Policy.

Sanas Almonte 8/26/2022

County Manager

I attest that, to the best of my knowledge, the appropriate staff have reviewed and approved this Requisition and no other conditions would prevent approval.

Taco E. Pope AICP 8/29/2022

Clerk: _____
 Date: _____



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
CM2685-WA30 12/28/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh & McLennan Agency LLC 2405 Lucien Way Suite 275 Maitland FL 32751	CONTACT NAME: Lidia Santiuste PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: lidia.santiuste@marshmma.com														
INSURED S2L Inc 531 Versailles Drive Suite 202 Maitland FL 32751	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Continental Casualty Company</td> <td style="text-align: center;">20443</td> </tr> <tr> <td>INSURER B : Transportation Insurance Company</td> <td style="text-align: center;">20494</td> </tr> <tr> <td>INSURER C : Evanston Insurance Company</td> <td style="text-align: center;">35378</td> </tr> <tr> <td>INSURER D : National Fire Insurance Co of Hartford</td> <td style="text-align: center;">20478</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Continental Casualty Company	20443	INSURER B : Transportation Insurance Company	20494	INSURER C : Evanston Insurance Company	35378	INSURER D : National Fire Insurance Co of Hartford	20478	INSURER E :		INSURER F :	
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COVERAGES **CERTIFICATE NUMBER:** 1224293981 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			2075876503	1/1/2022	1/1/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
D	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY <input type="checkbox"/> AUTOS ONLY			2075880437	1/1/2022	1/1/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			B2095585866	1/1/2022	1/1/2023	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC275880387	1/1/2022	1/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			MKLV2EN102578	1/1/2022	1/1/2023	Ea Claim / Agg Deductible \$2,000,000 \$10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Continuing Contract for Professional Engineering Services (Contract No. CM2685). Solid Waste Landfills and Other Related Ancillary Facilities for Nassau County, Florida.
 Certificate holder, as Designated Organization, is an Additional Insured as respects General Liability and Automobile Liability. Umbrella follows form to the underlying policies as respects to Additional Insureds. Waiver of Subrogation as respects General Liability, Auto and Workers Compensation in favor of Additional Insured. 30 Day notice of Cancellation (10 days for non-payment) in favor of Additional Insured as respects General Liability. All of the above applies when required by written contract subject to the terms, conditions and exclusions of the policy.

CERTIFICATE HOLDER Nassau County Board of County Commissioners 96135 Nassau Place Suite 6 Yulee FL 32097	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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Certificate Of Completion

Envelope Id: 2B0708C6D3784A609198FAFA05371933	Status: Completed
Subject: Please DocuSign: Work Authorization 30 S2L, Incorporated \$188,930.92	
Source Envelope:	
Document Pages: 21	Signatures: 10
Certificate Pages: 6	Initials: 1
AutoNav: Enabled	Envelope Originator:
EnvelopeId Stamping: Enabled	Becky Diden
Time Zone: (UTC-05:00) Eastern Time (US & Canada)	bddiden@nassaucountyfl.com
	IP Address: 50.238.237.26


Record Tracking

Status: Original	Holder: Becky Diden	Location: DocuSign
8/25/2022 1:53:20 PM	bddiden@nassaucountyfl.com	


Signer Events

	Signature	Timestamp
Doug Podiak dpodiak@nassaucountyfl.com Facilities Director Nassau County BOCC Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	Sent: 8/25/2022 2:12:51 PM Viewed: 8/26/2022 1:10:11 PM Signed: 8/26/2022 1:10:20 PM


Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Lanaee Gilmore lgilmore@nassaucountyfl.com Procurement Director Nassau County BOCC Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	Sent: 8/26/2022 1:10:24 PM Viewed: 8/26/2022 4:26:44 PM Signed: 8/26/2022 4:27:44 PM
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Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Tracy Poore tpoore@nassaucountyfl.com OMB Admin Nassau County BOCC Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	Sent: 8/26/2022 4:27:48 PM Viewed: 8/29/2022 8:08:44 AM Signed: 8/29/2022 8:18:16 AM
---	--	--

Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

chris lacambra clacambra@nassaucountyfl.com OMB Director Nassau County BOCC Security Level: Email, Account Authentication (None)	 Signature Adoption: Pre-selected Style Using IP Address: 50.238.237.26	Sent: 8/29/2022 8:18:19 AM Viewed: 8/29/2022 8:57:48 AM Signed: 8/29/2022 8:57:57 AM
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Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Signer Events

Denise C. May
 dmay@nassaucountyfl.com
 Assistant County Attorney
 Nassau County BOCC
 Security Level: Email, Account Authentication (None)

Signature

Denise C. May

Signature Adoption: Pre-selected Style
 Using IP Address: 50.238.237.26

Timestamp

Sent: 8/29/2022 8:58:01 AM
 Viewed: 8/29/2022 9:28:42 AM
 Signed: 8/29/2022 9:50:56 AM

Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

Sam Levin
 slevin@s2li.com
 President
 Security Level: Email, Account Authentication (None)

Sam Levin

Signature Adoption: Pre-selected Style
 Using IP Address: 72.188.179.252

Sent: 8/29/2022 9:50:59 AM
 Viewed: 8/29/2022 9:55:49 AM
 Signed: 8/29/2022 9:56:56 AM

Electronic Record and Signature Disclosure:
 Accepted: 8/29/2022 9:55:49 AM
 ID: ae0ca07b-21db-4776-8af9-c30e18d64e67

Taco E. Pope, AICP
 tpope@nassaucountyfl.com
 County Manager
 Nassau County BOCC
 Security Level: Email, Account Authentication (None)

Taco E. Pope AICP

Signature Adoption: Pre-selected Style
 Using IP Address: 50.238.237.26

Sent: 8/29/2022 9:57:00 AM
 Viewed: 8/29/2022 10:11:39 AM
 Signed: 8/29/2022 10:11:46 AM

Electronic Record and Signature Disclosure:
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In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Clerk Admin
 clerkservices@nassaucountyfl.com
 Security Level: Email, Account Authentication (None)

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Sent: 8/29/2022 10:11:50 AM

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Procurement
 Procurement@nassaucountyfl.com
 Security Level: Email, Account Authentication (None)

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Sent: 8/29/2022 10:11:52 AM

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Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events**Status****Timestamps**

Envelope Sent	Hashed/Encrypted	8/25/2022 2:12:51 PM
Certified Delivered	Security Checked	8/29/2022 10:11:39 AM
Signing Complete	Security Checked	8/29/2022 10:11:46 AM
Completed	Security Checked	8/29/2022 10:11:52 AM

Payment Events**Status****Timestamps****Electronic Record and Signature Disclosure**

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You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: bsimmons@nassaucountyfl.com

To advise County of Nassau of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at bsimmons@nassaucountyfl.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

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To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to bsimmons@nassaucountyfl.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

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- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to bsimmons@nassaucountyfl.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

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