

**WORK AUTHORIZATION # CM2096-WA18
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
RFQ/BID NO. NC13-033**

Consultant:	S2L, Incorporated
Contract Number:	CM2096
Contact Name:	Sam Levin, P.E.
Contact Number:	407-475-9163
Email:	Slevin@s2Li.com

CURRENT WORK AUTHORIZATION			
Project Short Title: 2017 Landfill Financial Assurance Report			
		CONTRACT OVERVIEW	
		Total of Previous Authorizations	\$946,980.36
Date Submitted	4-19-17	Adjustments/Change Orders	(\$12,873.70)
Amount	\$11,291.68	This Work Authorization	\$11,291.68
Scheduled Completion	9-1-17	Current Contract Total	\$945,398.34

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services – Solid Waste Landfills and Other Related Ancillary Facilities for Nassau County, Florida, dated April 16, 2014. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

Using the FDEP-provided inflation factor, S2Li will perform an inflationary adjustment for post-closure care for each regulated facility rather than preparing new long-term care cost estimates. This approach assumes that during S2Li's annual inspections, no issues are found that will significantly affect the approved long-term care costs. An inflationary adjustment would be inappropriate should site inspection uncover necessary repairs that were not included with the prior estimates. S2L, Incorporated (S2Li) shall perform the work in accordance with the scope of services, attached hereto as Attachment "A".

ARTICLE 2. Time Schedule

Services will begin upon receipt of the written notice to proceed, with the scheduling of the site visits under Task 1. The draft report for County review will be submitted such that corrections and finalization can be made to allow for final submittal to FDEP by September 1, 2017.

ARTICLE 3. Budget

The fee estimate to conduct the Work as described in the listed Scope of Services is \$11,291.68. A detailed breakdown for each task with the estimated labor hours and expenses is included in Exhibit 1 of Attachment "A". Costs will be invoiced on a time and materials basis. The County will be notified when the overall project budget is nearing its limit.

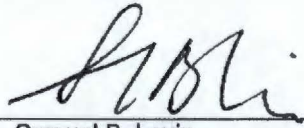
Article 4. Other Provisions

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.

In presenting this Work Authorization, Consultant agrees that:

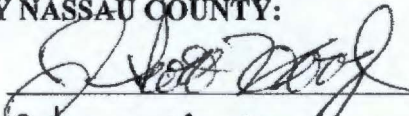
Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed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

AGREED TO BY:

BY: 
Print Name: Samuel B. Levin
Title: President
Date: May 1, 2017

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

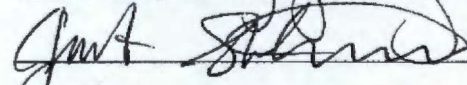
Public Works Director:



Contract Management:

Charlotte Young

Office of Management & Budget:



County Manager:



APPROVED by the County Manager, designee for the BOARD OF COUNTY COMMISSIONERS, the 19 day of May, 2017.

ACCOUNT NO.:	01361534-531000	West Nassau (11 acres-old)	\$4,950.74
	01362534-531000	West Nassau (42 acres-new)	\$4,950.74
	01363534-531000	Lofton Creek	\$ 695.10
	01364534-531000	Bryceville	\$ 695.10

2 ^{5/15/17}

Scope of Services

**Preparation
of the
2017 Landfill Financial Assurance Report**

**Nassau County
County Contract and Work Authorization Number: CM2096-WA18**

S2Li Project Number: 17-722

Every year, Nassau County (County) is required to update and submit to the Florida Department of Environmental Protection (FDEP or Department) an adjustment for the cost to maintain long-term care of its closed disposal facilities. This Work Authorization (WA) allows S2Li to prepare the annual financial assurance documentation for the two County landfill facilities (42-acre area and 11-acre area) at the West Nassau Landfill, for submittal to FDEP by September 1, 2017.

These updates are to reflect the requirements of Rule 62-701.630(4)(a), Florida Administrative Code (F.A.C.), which is the Financial Assurance section under the State Solid Waste Regulations. As specified in this rule, updated long-term care cost estimates are required to be submitted to the FDEP between July 1 and September 1 of each year.

S2L, Incorporated (S2Li) is pleased to submit this cost proposal for providing professional services to prepare the annual cost estimate adjustments and financial assurance documentation for the County's closed landfills. The following sections of this cost proposal include the scope of services to be provided, an estimated schedule, cost estimate, and terms and conditions.

Note 1: As of February 2017, the Bryceville Landfill is no longer under regulatory long-term care and the County is no longer required to maintain financial assurance for this facility.

Note 2: Based on a March 2017 discussion with FDEP, as of August 12, 2017, the Lofton Creek Landfill will no longer be required to maintain financial assurance for this facility. Therefore, no cost estimate for this facility is required in the 2017 Financial Assurance Update report being prepared under this WA.

SCOPE OF SERVICES

Using the FDEP-provided inflation factor, S2Li will perform an inflationary adjustment for post-closure care for each regulated facility rather than preparing new long-term care cost estimates. This approach assumes that during S2Li's annual inspections, no issues are found that will significantly affect the approved long-term care costs. An inflationary adjustment would be inappropriate should site inspection uncover necessary repairs that were not included within the prior estimates.

County Responsibilities:

- 1) County personnel are to accompany S2Li staff in order to provide access to each of the landfill sites, as well as, for safety purposes during the site inspections;
- 2) County staff will conduct and document required inspections and perform all reporting requirements for landfill post-closure care, as specified within the FDEP permits. The sole purpose of S2Li's inspections

under this scope of services is for use in financial assurance reporting, and is not intended to serve as a substitute for County inspection and reporting as required by FDEP landfill permit specific conditions; and

- 3) County staff will provide the third party audited balances of the landfill escrow accounts for the period ending September 30, 2016.

The following details the scope for each task, as proposed:

Task 1: Facility Inspections

Facility inspections will be conducted so that the conditions of the landfills can be documented by a third-party engineer, as required by FDEP. S2Li will prepare for and visit each landfill with a representative of the County and complete the landfill inspection forms for the County's use. The inspection forms will note any deficiencies that require correction by the County. Note: All the County's closed landfills will be inspected as part of this task (West Nassau Landfill's two facilities, Lofton Creek and Bryceville Landfills).

Task 2: Carry Over of Pro-Rated Expenses, FDEP Forms, Escrow Account Balance, and Report

2.1 Carry Over of Pro-Rated Expenses and Fiscal Year FY17/18 Budget Estimates:

Some expenses prepared in the previous long-term care estimates were prorated and are required to be carried over and accumulated until needed or implemented. S2Li will prepare and adjust these carry over expenses, as part of this scope of services, by an inflation factor such that sufficient funds will be accumulated and will be available. A summary of the prorated costs required to be added to this year's long-term care estimates will be provided and can assist the County in its preparation of landfill operating budget estimates for FY17/18.

2.2 FDEP Forms, Escrow County Balance Calculations and Report:

FDEP Form 62-701.900(28) will be completed for each facility. An estimate will be made of the amount of the required escrow balance as of September 30, 2017 and the amount required (if any) to be deposited into the escrow accounts. In addition, an estimate for long-term liability over the term of the long-term care period for each facility will be prepared based upon third party costs. No calculations or documentation for meeting GASB18 requirements are included in this scope of services. A draft report will be prepared that details the work performed, the rationale behind the calculations, and costing approach. The report will then be submitted to the County for review. Upon receipt of comments from the County, the report will be revised as necessary, signed and sealed by a registered Professional Engineer, and submitted to FDEP and the County.

SCHEDULE

Work Authorization under the Scope of Services provided above will begin upon receipt of the written notice to proceed, with the scheduling of the site visits under Task 1. The draft report for County review will be submitted such that corrections and finalization can be made to allow for final submittal to FDEP by September 1, 2017.

FEE ESTIMATE

The fee estimate to conduct the Work as described in the above listed Scope of Services is **\$11,471.68**. A detailed breakdown for each task, in conjunction with the estimated labor hours and expenses, are included in the attached Exhibit 1. Costs will be on a time and material basis. The County will be notified when the overall project budget is nearing its limit.

The proposed budget by landfill is broken down as follows:

S2Li Budget Summary Nassau County LF Financials - 2017						
		Total \$	Bryceville LF	Lofton Creek LF	West Nassau - 11 Acres	West Nassau - 42 Acres
Task 1	Facility Inspections	\$ 2,780.40	\$ 695.10	\$ 695.10	\$ 695.10	\$ 695.10
Task 2.1	Carry Over Expenses & FY17/18 Budget Estimates	\$ 3,342.08			\$ 1,671.04	\$ 1,671.04
Task 2.2	FDEP Forms, Escrow Balance & Report	\$ 5,169.20			\$ 2,584.60	\$ 2,584.60
		\$11,291.68	\$ 695.10	\$ 695.10	\$ 4,950.74	\$ 4,950.74

If it is determined that a new landfill long-term care cost estimate is needed to be prepared because of a change in unit costs and/or because new cost items are warranted, the preparation of the new estimate will be provided as an additional service. S2Li will notify the County if a new estimate is required to be prepared and will only proceed once a notice to proceed is provided by the County.

April 19, 2017

EXHIBIT 1

S2LI No. 17-722
 County No. CM2096-WA18

Total Project Costs
 S2LI Fee Estimate

Preparation of the
 2017 Landfill Financial Assurance Report

Nassau County, Florida

LABOR		LABOR CATEGORY AND RATE							TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./ Principal	Regional Manager/ QC Officer	Principal Engineer	Senior Engineer	Associate Engineer	CAD Technician	Office Manager		
TASK	DESCRIPTION	\$225.00	\$208.88	\$171.38	\$122.51	\$47.47	\$47.47	\$68.46		
1	Facility Inspections	0	12	0	0	0	0	4	16	\$2,780.40
2.1	Carry Over of Pro-Rated Expenses & Budget Estimates	0	16	0	0	0	0	0	16	\$3,342.08
2.2	FDEP Forms, Escrow Balance and Report	2	18	4	0	0	0	4	28	\$5,169.20
	SUBTOTALS:	2	46	4	0	0	0	8	60	\$11,291.68

EXPENSES		Field Vehicle (\$90/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)	Landtec Web Data Base (\$500/m)	Grove Scientific (see attached)			SUBTOTAL EXPENSES
TASK	DESCRIPTION									
1	Facility Inspections	\$ 180.00	\$ -	\$ -		\$ -	\$0.00			\$ 180.00
2.1	Carry Over of Pro-Rated Expenses & Budget Estimates	\$ -	\$ -	\$ -		\$ -	\$0.00			\$ -
2.2	FDEP Forms, Escrow Balance and Report									
	SUBTOTALS:	\$ 180.00	\$ -	\$ -	\$ -	\$ -	\$0.00	\$0	\$0	\$ 180.00

COST SUMMARY				
TASK	DESCRIPTION	S2LI LABOR	SUBTOTAL EXPENSES including Subconsultants	TASK TOTAL
1	Facility Inspections	\$ 2,780.40	\$ 180.00	\$ 2,960.40
2.1	Carry Over of Pro-Rated Expenses & Budget Estimates	\$ 3,342.08	\$ -	\$ 3,342.08
2.2	FDEP Forms, Escrow Balance and Report	\$ 5,169.20	\$ -	\$ 5,169.20
TOTALS		\$ 6,122.48	\$ 180.00	\$ 11,471.68

NASSAU COUNTY CONTRACT MANAGEMENT

CONTINUING CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES - SOLID WASTE LANDFILLS AND OTHER RELATED ANCILARY FACILITIES
 S2L, INCORPORATED
 CONTRACT NO. CM2006

WA#	PROJECT NAME	APPROVAL DATE	ORIGINAL FEE	CHANGE ORDERS	CONTRACT FEE	STATUS	ACTUAL COST	DIFFERENTIAL
01	Operation, Monitoring, Maintenance and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill		\$ 101,250.04	\$ -	\$ 101,250.04	Completed	\$ 100,922.39	\$ (327.66)
02	Preparation of a Title V Air Permit Renewal Application for the West Nassau Class I Landfill		\$ 20,399.06	\$ -	\$ 20,399.06	Completed	\$ 19,916.71	\$ (482.35)
03	Preparation of a 2014 Landfill Financial Assurance Report		\$ 15,906.20	\$ -	\$ 15,906.20	Completed	\$ 15,590.06	\$ (316.14)
04	Preparation of an Inward Gradient Analysis and Meeting with FDEP for the West Nassau Class I Landfill		\$ 24,329.08	\$ 14,009.84	\$ 38,339.82	Completed	\$ 37,446.13	\$ (893.69)
05	Operation, Monitoring, Maintenance and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill		\$ 174,387.83	\$ -	\$ 174,387.83	Completed	\$ 166,317.75	\$ (8,070.08)
06	Preparation of Technical Bidding Documents for a Flare Station Blower Replacement Landfill Gas Collection and Control System West Nassau Class I Landfill		\$ 25,925.39	\$ 3,362.12	\$ 29,287.51	In progress	\$ 29,287.51	\$ -
07	Well No. 21 Investigation at the Bryceville Landfill	02/05/16	\$ 6,499.93	\$ -	\$ 6,499.93	Completed	\$ 5,900.88	\$ (599.05)
08	Preparation of a Permit Application for Long-Term Care Renewal for the West Nassau Class I Landfill		\$ 77,546.42	\$ -	\$ 77,546.42	Completed	\$ 77,156.79	\$ (389.63)
09	Preparation of a 2016 Landfill Financial Assurance Report for Landfills		\$ 13,206.88	\$ -	\$ 13,206.88	Completed	\$ 11,756.61	\$ (1,450.27)
10	Leachate Storage Tank System Repairs & Maintenance		\$ 23,084.21	\$ -	\$ 23,084.21	In progress	\$ 23,084.21	\$ -
11	Operation, Monitoring, Maintenance and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill, FY15/16		\$ 176,237.83	\$ -	\$ 176,237.83	Completed	\$ 161,008.57	\$ (15,229.26)
12	Preparation of a 2016 Landfill Financial Assurance Report for submittal to FDEP		\$ 13,686.66	\$ -	\$ 13,686.66	Completed	\$ 12,458.85	\$ (1,227.71)
13	Preparation of Technical Documents for Groundwater and Surface Water Monitoring at Nassau County's Landfills		\$ 8,555.66	\$ -	\$ 8,555.66	Completed	\$ 7,295.84	\$ (1,259.82)
14	Prepare a draft air construction permit application using the FDEP's (EPSAP) with attachments for one (1) newly installed emergency generator and one (1) newly installed landfill flare replacement blower.		\$ 10,326.34	\$ -	\$ 10,326.34	In progress	\$ 10,326.34	\$ -
15	Preparation of a Water Quality Technical Report Landfill Stabilization Report for the Bryceville Landfill		\$ 32,864.76	\$ -	\$ 32,864.76	In progress	\$ 32,864.76	\$ -
16	Preparation of a Landfill Stabilization Report for the Lofton Creek Landfill		\$ 45,924.72	\$ -	\$ 45,924.72	In progress	\$ 45,924.72	\$ -
17	Operation, Monitoring, Maintenance, and Reporting for the Landfill Gas Collection and Control System at the West Nassau Class I Landfill		\$ 176,868.65	\$ -	\$ 176,868.65	In progress	\$ 176,868.65	\$ -
18	Preparation of a 2017 Landfill Financial Assurance Report for submittal to FDEP		\$ 11,291.68	\$ -	\$ 11,291.68	Pending	\$ 11,291.68	\$ -
			\$ 956,272.04	\$ 17,371.96	\$ 975,644.00		\$ 945,398.34	\$ (30,245.66)

CURRENT CONTRACT VALUE:

\$ 945,398.34