

**WORK AUTHORIZATION # 25
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: Preparation of Long-Term Care Permit Renewal Application at the Lofton Creek Landfill			
		CONTRACT OVERVIEW	
Date Submitted	8/10/21	Total of Previous Authorizations	\$1,223,511.50
Amount	\$37,162.84	This Work Authorization	\$37,162.84
Scheduled Completion	210 days of a written NTP	Current Contract Total	\$1,260,674.30

This Work Authorization is to the AGREEMENT between Nassau County and S2li, 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:

This Authorization provides for preparation and submission of a permit renewal application to the Florida Department of Environmental Protection (FDEP) for the Lofton Creek Landfill Long-Term Care (LTC) Permit (Number 0064999-006-SF (which includes File No. 0064999-006)). The County is required to maintain a permit as it must continue to address off-site water quality issues, and to modify the Water Quality Monitoring Plan. The existing permit is set to expire on February 15, 2022. The County is required to submit a renewal application 61 days before the permit expiration date (no later than December 15, 2021).

ARTICLE 2. Time Schedule

Work under the Scope of Services provided will begin October 1, 2021 and expected to be completed within 210 days of written notice-to-proceed.

ARTICLE 3. Budget

The cost estimated to perform the work as described in Attachment "A" is \$37,162.84. A detailed breakdown for each task in conjunction with the estimated labor hours, contractor labor rates, and expenses are attached as Exhibit 1. Costs incurred will be invoiced on a time and material 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, 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: 8/31/2021

Account number(s): 01363534-531000

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

County Engineer:	<u><i>Doug Podish</i></u> 8/31/2021 Department Head or Designee
Procurement:	<u><i>J. Brian Simmons</i></u> 8/31/2021 J. Brian Simmons
Office of Management & Budget:	<u><i>Megan Diehl</i></u> 8/31/2021 Megan Diehl
County Manager:	<u><i>Taco E. Pope, AICP</i></u> 9/1/2021 Taco E. Pope, AICP
Ex-Officio Clerk:	<u>N/A</u> John A. Crawford
County Attorney:	<u><i>Michael S. Mullin</i></u> 9/1/2021 Michael S. Mullin

APPROVED by the BOARD OF COUNTY COMMISSIONERS, this ____ day of _____, 2021.

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

N/A
Thomas R. Ford
Chairman

ACCOUNT NO.: 01363534-531000

Attachment "A"
Scope of Services

Preparation of Long-Term Care Permit Renewal Application
at the
Lofton Creek Landfill

County Contract Number: CM2685-WA25
S2Li Project Number: 21-943

This Work Authorization No. CM2685-WA25 includes preparation and submission of a permit renewal application to the Florida Department of Environmental Protection (FDEP or Department) for the Lofton Creek Landfill (Site) Long-Term Care (LTC) Permit (Number 0064999-006-SF (which includes File No. 0064999-006)). The County is required to maintain a permit as it must continue to address off-site water quality issues, and to modify the Water Quality Monitoring Plan. The existing permit is set to expire on February 15, 2022. The County is required to submit a renewal application 61 days before the permit expiration date or by December 15, 2021.

No application fee from the County is assumed to be required as part of this permit renewal application submission. The Department's approval of this permit application could result in a reduction in current operational and maintenance costs incurred for continued monitoring of the Site.

Scope of Services

Under the scope of services, the S2Li Team will perform the following:

Task 1 – Preparation of Permit Renewal Application

1.1 Draft Application Form:

S2Li will prepare a completed Solid Waste Permit Application Form (DEP Form 62-701.900(1) of Chapter 62-701, F.A.C. for the continued post-closure operation of the landfill. Parts A, B, L, and N through S will be addressed for the renewal of long-term care of the landfill. Portions of the application which are not required to be addressed will be marked as "Not Applicable". Facility information that was previously submitted to the Department to support the permit, and which is still valid, will not be resubmitted. Portions of the application not resubmitted will be marked "No Substantial Change" on the application form and referenced to a previously submitted document as requested by the Department. The form will include the following sections from the rules:

- 1) Part A - General Information

Appropriate data for these sections of the permit application will be typewritten on the appropriate electronic application form.

2) Part B - Disposal Facility General Information

Appropriate data for these sections of the permit application will be typewritten on the appropriate electronic application form.

3) Part L - Water Quality Monitoring Requirements (62-701.510, F.A.C.)

S2Li Team prepared a Water Quality Technical Report that recommended a reduction in the number of groundwater monitoring wells and the elimination of the stormwater monitoring on the site. FDEP has not approved these recommendations. This section will be marked as "Submitted" and the recommendations will be addressed in this application along with a narrative addressing the changes. The applicable sections will then be referenced to the narrative in the Engineering Report.

4) Part N - Gas Management System (62-701.530, F.A.C.)

Gas monitoring is no longer required at this site so the applicable sections will be marked as "Not Applicable".

5) Part O - Landfill Final Closure Requirements (62-701.600, F.A.C.)

All other related sections will be marked as "No Substantial Change" and referenced to the original permit application in 1997. Justification of temporary closure will be marked as "Not Applicable."

6) Part P - Other Closure Procedures (62-701.610, F.A.C.)

Use of the closed landfill area will be marked as "No Substantial Change," and referenced to the original permit application in 1997. The relocation of waste discussion will be marked as "Not Applicable."

7) Part Q - Long Term Care (62-701.620, F.A.C.)

If required, a post-closure care plan shall be updated for the landfill and will be referenced in the Engineering Report section. All other portions of this section will be marked as "No Substantial Change," and referenced to the original permit application approved in 1997 and permit January 2018 permit modification.

8) Part R - Financial Responsibility Requirements (62-701.630, F.A.C.)

The Site completed its financial assurance obligations at the completion of its 20-year LTC period on August 11, 2017 (Appendix C); therefore, this section will be marked as "Not Applicable."

9) Part S - Certification by Applicant and Engineer or Public Officer

S2Li will include this executed form within the permit application report. It is assumed that Robert Companion, Nassau County's County Engineer is to provide his original signature on behalf of the County.

1.2 Preparation of Engineering Report:

S2Li will prepare the Engineering Report section of the application that will address the following:

- 1) Discussion of Information Addressed in the Application Form: A narrative will be provided in this

section that discusses the applicable sections of the permit application form.

- 2) **Water Quality Monitoring:** S2Li Team will propose updates to the Water Quality Monitoring Plan based upon the S2Li Team's recommendations included in the Water Quality Technical report submitted to FDEP in May 2021.
- 3) **Post Closure Care Plan:** The existing post-closure care plan will be reviewed and updated to comply with currently applicable rules.
- 4) **History of Facility Maintenance:** A summary of the historical maintenance conducted at the facility will be discussed as requested in the past by the Department.

Task 2 – Submission of the Application to County and FDEP

- 2.1 S2Li Team will submit a draft modification application to County staff for review and comment.
- 2.2 After incorporating any County comments, depending on the schedule, the updated draft will be submitted to FDEP at their request for their review and comment. It is anticipated that the Department will contact the County and/or the S2Li Team to discuss the County's requested permit changes and then submit any alternative (or counter) draft language for review and comment from the County. Once the revised specific condition language is acceptable to the County, the Department will ask the County to incorporate the Department's requested changes into the draft application, then finalize and submit the signed and sealed application to the Department. The Department then should quickly process the application request and issue a new and updated permit. The S2Li Team will review the permit issued by the Department (preferably in draft form before permit issuance), and provide any comments to the County and then, to FDEP.
- 2.3 After addressing any County comments or if allowable under the schedule, addressing comments from FDEP on a draft application, S2Li shall submit the formal permit application to FDEP.
- 2.4 This scope of services includes the preparation of response(s) to one Request for Additional Information (RAI) from the FDEP upon their review of the draft or final version of the application for the permit modification.

Schedule

Work authorized under this Work Authorization is expected to be completed within 210 days of a written notice-to-proceed (October 1, 2021) which includes the preparation of the permit application, review time for the County staff and FDEP, addressing any RAIs, and issuance and review of the FDEP permit. This assumes that a draft application will be submitted to the County within 60 days of a written notice-to-proceed and also assumes that the County reviews and offers comments on the draft application within one week of receipt of the draft application. The permit application is required to be submitted to FDEP by December 15, 2021. Any RAI is expected to be submitted to the County by FDEP within 30 days of submission and a response to FDEP will be prepared and submitted within a 30-day period.

Cost Estimate

The cost estimate to conduct this work as described in the above listed Scope of Services is \$37,162.84. A detailed breakdown for each additional task in conjunction with the estimated labor hours, contract labor rates, and expenses are included in the attached Exhibit 1 for the S2Li Team. Costs incurred will be invoiced on a time and material basis. The County will be notified when the overall project budget is nearing its limit.

August 4, 2021

EXHIBIT 1
FDEP Long-Term Care Permit Renewal Application
Lofton Creek Closed Landfill
Nassau County, Florida

S2Li No. 21-943
 County No. CM2685-WA25

Total Project Costs
 S2Li Fee Estimate

LABOR		LABOR CATEGORY AND RATE								TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./ Principal	Regional Manager/ QC Officer	Principal Engineer	Senior Engineer	Project Engineer	Associate Engineer/CADD	Field Technician	Office Manager		
TASK	DESCRIPTION	\$250.00	\$232.25	\$190.26	\$137.09	\$97.92	\$74.21	\$52.38	\$76.24		
1	Preparation of Intermediate Permit Modification Application	6	40	0	80	24	0	0	8	158	\$24,717.20
2	Submission of the Application to County and FDEP	2	12	0	12	0	0	0	4	30	\$5,237.04
	SUBTOTALS:	8	52	0	92	24	0	0	12	188	\$29,954.24

EXPENSES		Field Vehicle (\$100/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)	The Collins Group (Attachment)					SUBTOTAL EXPENSES
TASK	DESCRIPTION										
1	Preparation of Intermediate Permit Modification Application	\$ -	\$ -	\$ -		\$ 7,208.60	\$ -				\$ 7,208.60
2	Submission of the Application to County and FDEP	\$ -	\$ -	\$ -		\$ -	\$ -				\$ -
	SUBTOTALS:	\$ -	\$ -	\$ -	\$ -	\$ 7,208.60	\$ -		\$ -	\$ -	\$ 7,208.60

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL S2LI LABOR	SUBTOTAL EXPENSES Including Subconsultants	TASK TOTAL
1	Preparation of Intermediate Permit Modification Application	\$ 24,717.20	\$ 7,208.60	\$ 31,925.80
2	Submission of the Application to County and FDEP	\$ 5,237.04	\$ -	\$ 5,237.04
TOTALS		\$ 29,954.24	\$ 7,208.60	\$ 37,162.84

THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

August 2, 2021

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

Subj: Proposal for Hydrogeological Services
Nassau County Lofton Creek Closed Landfill
FDEP Closure Permit Renewal
TCG Proposal No. P-619

Dear Mr. Smith:

The Colinas Group, Inc. (TCG) is pleased to submit this proposal and fee/cost estimate to complete the following Scope of Services for hydrogeological services in support of regulatory compliance actions and renewal of the Florida Department of Environmental Protection (FDEP) long-term card permit issued for Nassau County's Lofton Creek Closed Class I Landfill located in eastern Nassau County, Florida.

SCOPE OF SERVICES

TASK 1: Meeting with Nassau County / FDEP Northeast District

TCG will prepare for and attend a teleconference with Nassau County and one teleconference with the FDEP Northeast District Office in Jacksonville. TCG will be prepared to review and discuss findings, conclusions and recommendations derived from the recent water quality monitoring Technical Report prepared by TCG for the period 2016 – 2020.

TASK 2: Monitoring Plan and Vicinity Water Well Inventory Updates

TCG will prepare a proposed Water Quality Monitoring Plan for the Lofton Creek Closed Landfill suitable for submission to the FDEP as part of the long-term care permit renewal process. Revisions to the current WQMP will be based on conclusions and recommendations presented in the 2016 – 2020 water quality monitoring Technical Report and discussions with the FDEP.

TCG will prepare a one-mile radius vicinity Water Well Inventory to update the most recent inventory submitted to the FDEP in conjunction with the 2016 permit renewal for the Lofton Creek Closed Landfill. TCG will identify and locate any new public and private water wells constructed within the area since 2016 based on recent aerial photography review, review of Nassau County utility service and well permitting files and physical reconnaissance of the project area.

TCG will prepare a Well Inventory Update to include a map showing locations of new water wells located within the search radius centered on the Lofton Creek Landfill. The Well Inventory Update will be suitable for submission to the FDEP as part of the long-term care permit renewal process.


ESTIMATED PROFESSIONAL LABOR FEES

TCG Proposes to complete the above Scope of Services in accordance with our current standard hourly fee schedule. An estimate of fees to complete this project is provided below as follows:

TASK 1: Principal-in-Charge/Project Manager.....	4 Hours @ \$ 152.80/Hr.	\$ 611.20
Senior Hydrogeologist.....	4 Hours @ \$ 123.50/Hr.	<u>494.00</u>
	Sub-Total Task 1	\$ 1,105.20
 TASK 2: Principal-in-Charge/Project Manager....	8 Hours @ \$ 152.80/Hr.	\$ 1,222.40
Senior Hydrogeologist.....	16 Hours @ \$123.50/Hr.	1,976.00
Staff Hydrogeologist.....	24 Hours @ \$ 90.50/Hr.	2,172.00
Draftsman.....	8 Hours @ \$ 62.00/Hr.	496.00
Clerk/Word Processor.....	6 Hours @ \$ 39.50/Hr.	<u>237.00</u>
	Sub-Total Task 2	\$ 6,103.40
	Total Estimated Fee	\$ 7,208.60

TCG will not exceed the above fee estimates for Tasks 1 and 2 unless the Scope of Services is increased, and then only upon receipt of written authorization for S2Li. We trust this proposal is suitable for your budget and contracting needs. If you have any questions or require further information, please do not hesitate to contact me at your convenience. We look forward to being of service to S2Li and to Nassau County.

Very truly yours,
THE COLINAS GROUP, INC.



Richard L. Potts, Jr., P.G
Principal Consultant
FL P.G. Reg. No.1113