

### CHANGE ORDER APPROVAL FORM

PROJECT: Preparation of an Inward Gradient  
Analysis and Meeting with FDEP

CHANGE ORDER NUMBER: 1

DATE: 1-13-15

CONTRACT NUMBER: CM2096-WA04

TO CONTRACTOR: S2L, Incorporated

Reason for Change Order: Additional Scope of Services to provide engineering and hydrogeological consulting services to prepare a minor permit modification application and submit suggested draft language changed to the Department of Environmental Protection (FDEP) for its consideration. Task 5 – Preparation of Minor Permit Modification Application \$9,202.72; Task 6 – Submission of Draft Application \$4,807.12; Total \$14,009.84.

Original Contract Sum.....	\$	<u>24,329.98</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>24,329.98</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>14,009.84</u>
New Contract Sum Including this Change Order.....	\$	<u>38,339.82</u>

**Amended Time Schedule – Article 2:** Work under this Work Authorization is expected to be completed within 100 days of a written notice to proceed pursuant to the assumptions expressed in the attached change order proposal.

APPROVED BY: [Signature]  
Project Manager (Department Head)

DATE: 1/16/15

APPROVED BY: [Signature]  
Contract Manager

DATE: 1-22-15

APPROVED BY: [Signature]  
Director of Office of Management & Budget

DATE: 1-23-15

APPROVED BY: [Signature]  
County Manager

DATE: 1/26/15

ACCOUNT NO.: 70362534-531000

RECEIVED  
COUNTY CLERK'S  
OFFICE  
15 JAN 20 PM 2:08

RECEIVED

CONTRACT MANAGEMENT

Nassau County  
Department of Contract Management

County  X  
Contract  2015 JAN 13 PM 2:06  
Field   
Other

CHANGE ORDER REQUEST

PROJECT: Preparation of an Inward Gradient Analysis and Meeting with FDEP for the West Nassau Class 1 Landfill

CHANGE ORDER NUMBER: 1 DATE: 01-09-15

CONTRACT NUMBER: CM2096-WA04

CONTRACTOR: S2L, Incorporated

The Contract is changed as follows: Additional Scope of Services to provide engineering and hydrogeological consulting services to prepare a minor permit modification application and submit suggested draft language changes to the Department of Environmental Protection (FDEP) for its consideration. Additional task as follows: Task 5 - Preparation of Minor Permit Modification Application \$9,202.72; Task 6 - Submission of Draft Application \$4,807.12; Total \$14,009.84

Original Contract Sum	\$	<u>24,329.98</u>
Net change by Previous Change Order	\$	<u>.00</u>
Contract Sum Prior to This Change Order	\$	<u>24,329.98</u>
Amount of This Change Order (Add/Deduct)	\$	<u>14,009.84</u>
New Contract Sum, Including this Change Order	\$	<u>38,339.82</u>

**Amended Time Schedule - Article 2:** Work under this Work Authorization is expected to be completed with 100 days of a written notice to proceed pursuant to the assumptions expressed in the attached change order proposal.

This document, when signed by all parties, shall become an amendment to the Contract and all provisions of the Contract shall apply hereto.

RECOMMENDED BY: Rebecca Bray DATE: 1/9/15  
Resident Project Representative

ACCEPTED BY: S. B. Levin DATE: 1/9/15  
Contractor Samuel B. Levin, President - S2L, Incorporated

Approved by: [Signature] DATE: 1/26/15  
Board of County Commissioners  
Or their Designee

**Change Order  
to CM2096-WA04  
Preparation  
of an  
Inward Gradient Analysis and Meeting with FDEP  
  
to add  
Preparation of a Minor Permit Modification  
for the  
West Nassau Class I Landfill**

**County Contract Number: CM2096-WA04  
S2Li Project Number: 14-552**

On December 16, 2014, County staff and S2Li representatives met with the Florida Department of Environmental Protection (FDEP or Department) to discuss the operational need of the West Nassau Landfill's inward hydraulic gradient control system (a.k.a. groundwater recovery system) for the southern portion of the landfill and the continuing manual groundwater elevation measurements on each side of the slurry wall. In addition, the County discussed with FDEP the elimination or modification of numerous other existing specific permit conditions or requirements.

Based upon the outcome of the meeting with FDEP, the County has asked S2L, Incorporated (S2Li) and its team of subconsultants (collectively known as the S2Li Team) to prepare a minor permit modification application to request certain changes to its current permit. These changes will allow the County to turn off of the "recovery well system" at the landfill, reduce the frequency of inward gradient measurements, and reduce or eliminate other specific condition requirements further defined below. Additional requested changes will need to be a part of the permit renewal application due to be submitted to the Department by July 2015. No application fee from the County is assumed to be required as part of this minor permit application submission. The Department's approval of this permit modification application will result in a reduction in current operational and maintenance costs at the landfill.

This Change Order to Work Authorization No. CM2096-WA04 will provide engineering and hydrogeological consulting services to prepare a minor permit modification application and submit suggested draft language changes to the Department for its consideration. Under the scope of services for this Change Order to the Work Authorization, the S2Li Team will perform the following:

**Additional Scope of Services**

*(Since this is a Change Order to Work Authorization No. CM2096-WA04, the task numbers listed below pick up from the original work which included Tasks 1 through 4).*

**Task 5 – Preparation of Minor Permit Modification Application**

S2Li Team will prepare a minor permit modification application for the West Nassau Class I Landfill Closure Permit (Permit No. 0002870-014-SF) to request changes to certain long-term care specific condition requirements. These proposed changes to the permit were discussed at a December 16, 2014 meeting.

At that meeting, FDEP stated that certain changes could be immediately implemented through the submission of a request for minor permit modification with subsequent approval by the Department. The permit modification application will include the following:

- a) Title Page
- b) Transmittal letter summarizing the requested changes
- c) Preparation of portions of FDEP form 62-701.900(1)
- d) Preparation of a narrative that addresses a request for the modification to the existing permit specific conditions to include:
  - a. Specific Condition No. 10 – Access Control. To allow the landfill gate to remain open when County personnel are on site.
  - b. Specific Condition No. 18 – Gas and Odor Monitoring. Deleting the reference to “compliance monitoring probes” and reference to a requirement for lock and protective structures. Note: deletion of this language does not preclude the County from providing locked and protective structures nor does it require the County to remove any existing locked or protective structures.
  - c. Specific Condition No. 20a – Groundwater Pumping. Delete the language concerning the requirement to maintain an inward gradient for the southern portion of the landfill and add language to allow the “recovery wells system” in the southeast corner of the landfill to be turned off for a testing period. Note: It is assumed the gradient will continue to be monitored at least until renewal of the Long-Term Care permit (due to expire September 13, 2015) and will be further addressed as part of the permit renewal.
  - d. Specific Condition No. 20b – Groundwater Pumping. Change the language for the measurements of the inward gradient around the entire landfill from a “weekly” frequency to a “monthly” frequency. In addition under this specific condition, change the DEP notification of exceedance of the inward gradient requirement for the French Drain system from notifying FDEP “... within 24 hours of measurements.” to “... within 7 days of measurements.” and change the time period for the repair or replacement of pumps from a period of “within 24 hours” to a period of “within 7 days”.
- e) Review and revise the Post-Closure Care Plan in the applicable sections to address revisions consistent with the application request and include as an attachment, if required.
- f) The report entitled “*Inward Gradient Analysis and Permit Specific Conditions Comments*” dated October 28, 2014 (prepared by S2Li and The Colinas Group) will be included as an attachment to the application.

#### **Task 6 – Submission of Draft Application for Review and Comments**

- a) S2Li Team will submit a draft application to County staff for review and comment.
- b) After incorporating any County comments, 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 permit modification letter to be made a part of the County’s permit. The S2Li Team will review the permit modification letter from the Department and provide any comments to the County.

## **Schedule**

Work authorized under this Change Order is expected to be completed within 100 days of a written notice-to-proceed which includes the preparation of the permit application, review time for the County staff and FDEP, and issuance of the FDEP approval letter. This assumes that a draft application will be submitted to the County within 30 days of a written notice-to-proceed and assumes that the County reviews and offers comments on the draft application within a one week period from the receipt of the draft application. Once submitted to FDEP, it is assumed that the draft language will be finalized between FDEP and the County within a 30 day period, with the final approval letter from FDEP sent to the County within 30 days.

## **Cost Estimate**

The cost estimate to conduct this Change Order work as described in the above listed Scope of Services is \$14,009.84. 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.

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January 7, 2015

**EXHIBIT 1**  
**Change Order to Add Preparation of a Permit Modification Application**  
**Preparation of an**  
**Inward Gradient Analysis and Meeting With FDEP**  
**West Nassau Class I Landfill**  
**Nassau County, Florida**

S2Li No. 14-552  
 County No. CM2096-WA04

**Total Project Costs**  
**S2Li Fee Estimate**

LABOR		LABOR CATEGORY AND RATE						TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./ Principal \$225.00	Regional Manager/ QC Officer \$208.88	Principal Engineer \$171.38	Senior Engineer \$122.51	Associate Engineer \$47.47	CAD Technician \$47.47		
TASK	DESCRIPTION								
5	Preparation of Minor Permit Modification Application	5	34	0	0	0	10	49	\$8,911.52
	- Title Page		2					2	\$417.76
	- Transmittal Letter	1	4				4	9	\$1,334.36
	- Application Form	1	8					9	\$1,896.04
	- Modification Request Narrative	2	16				4	22	\$4,065.92
	- Post Closure Care Change Revisions	1	4				2	7	\$1,197.44
6	Submission of Draft Application for review and Comments	4	16	0	0	0	4	24	\$4,515.92
	<b>SUBTOTALS:</b>	<b>9</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>73</b>	<b>\$13,427.44</b>

EXPENSES		Field Vehicle (\$90/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)		The Colinas Group (see attached)			SUBTOTAL EXPENSES
TASK	DESCRIPTION									
5	Preparation of Minor Permit Modification Application	\$ -	\$ -	\$ -	\$ -	\$ -	\$291.20			\$ 291.20
6	Submission of Draft Application for review and Comments	\$ -	\$ -	\$ -	\$ -	\$ -	\$291.20			\$ 291.20
	<b>SUBTOTALS:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$582.40</b>	<b>\$0</b>	<b>\$0</b>	<b>\$ 582.40</b>

COST SUMMARY				
TASK	DESCRIPTION	SUBTOTAL S2LI LABOR	SUBTOTAL EXPENSES Including Subconsultants	TASK TOTAL
5	Preparation of Minor Permit Modification Application	\$ 8,911.52	\$ 291.20	\$ 9,202.72
6	Submission of Draft Application for review and Comments	\$ 4,515.92	\$ 291.20	\$ 4,807.12
	<b>TOTALS</b>	<b>\$ 13,427.44</b>	<b>\$ 582.40</b>	<b>\$ 14,009.84</b>

Change Order to Add Preparation of a Permit Modification Application

January 7, 2015

Attachment - The Colinas Group Fee Estimate - Subconsultant

Preparation of an  
Inward Gradient Analysis and Meeting With FDEP  
West Nassau Class I Landfill  
Nassau County, Florida

S2Li No. 14-552  
County No. CM2096-WA04

LABOR		LABOR CATEGORY AND RATE										TOTAL HOURS	SUBTOTAL LABOR	
		Principal Consultant \$145.60	Senior Hydrogeologist \$117.60	Staff Hydrologist \$86.20	Env. Field Technician \$84.15	Draftperson/ CAD \$60.00	Clerk/ Word Process. \$37.50							
TASK	DESCRIPTION													
5	Preparation of Minor Permit Modification Application	2	0	0	0	0	0					0	2	\$291.20
	- Title Page													\$0.00
	- Transmittal Letter													\$0.00
	- Application Form													\$0.00
	- Modification Request Narrative	2												\$291.20
	- Post Closure Care Change Revisions													
6	Submission of Draft Application for review and Comments	2	0	0	0	0	0					0	2	\$291.20
	<b>SUBTOTALS:</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>					<b>0</b>	<b>4</b>	<b>\$582.40</b>

EXPENSES		Field Vehicle (\$90/day)	Lab Testing (est.)	Equipment Rental (est.)	Parts (est.)	Landtec Web Data Base (\$500/m)	Subcontractors (est.)							SUBTOTAL EXPENSES
TASK	DESCRIPTION													
5	Preparation of Minor Permit Modification Application	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						\$ -
6	Submission of Draft Application for review and Comments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						\$ -
	<b>SUBTOTALS:</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>						<b>\$ -</b>
													<b>TOTAL</b>	<b>\$582.40</b>