



June 11, 2018

Ms. Becky Hiers-Bray, P.E.
Public Works Director
Nassau County Solid Waste
46026 Landfill Road
Callahan, Florida 32011

**RE: Request for a Change Order for Additional Funding
Under Work Authorization Number CM2096-WA22
Operation, Monitoring, Maintenance and Reporting for the
Landfill Gas Collection and Control System at the West Nassau Landfill – FY2018
Nassau County, Florida
S2Li Project No. 17-738**

Dear Ms. Hiers-Bray:

Due to extraordinary and unexpected increase in the level of service and equipment repair and replacement that has occurred for “Non-Routine” repair events at the West Nassau Landfill Gas Collection and Control System (flare station and wellfield), it appears that S2L, Incorporated (S2Li) does not have sufficient funds remaining within our present Work Authorization to complete the needed operations and maintenance for the last quarter of this fiscal year. Over the last four fiscal years, S2Li has completed these services under the firm’s estimated budget. However, this current fiscal year has been unusually challenging. Since the beginning of this fiscal year, S2Li has been faced with a number of emergency events, including repair of the damage to the flare station caused by Hurricane Irma, and the failure of equipment, which collectively resulted in the expenditure of contingency funding well in excess of that anticipated. A summary of major “Non-Routine” events that required additional cost for labor, parts, materials, and equipment rentals are as follows:

- Purchase and repair to electronic and control parts due to damage caused by Hurricane Irma.
- Manual (in lieu of automated) operations of the Flare Station due to damage caused by Hurricane Irma.
- Purchase and installation of a new control valve actuator.
- Purchase of parts, equipment rental, and labor associated with the re-sloping of lateral pipe at gas wells GW-6 and GW-17.
- Purchase and installation for new gas cylinder rack, gas regulator, and hose connections.
- Purchase of parts, materials, and labor associated with installing air regulators and ball valves at two air compressors.
- Purchase of parts, materials, and labor associated with installing new flare arrestor seals.
- Purchase of parts, materials, and labor associated with replacing failed control valve, connection module, and backup actuator.
- Manual (in lieu of automated) operations of the Flare Station due to automatic control valve failure.
- Equipment rental and labor associated with the assessment of landfill gas well failures.
- Preparation and submittal of several reports to the Florida Department of Environmental Protection (FDEP) (both the Northeast District and the Department of Air Resources in Tallahassee) requesting time extensions, requests for Alternate Operating Procedures, and the notice of failing wells.

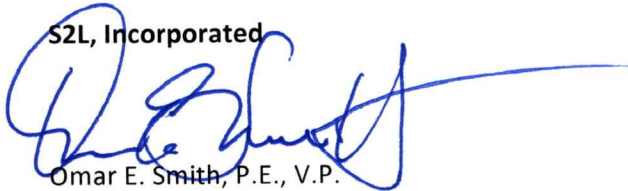
The anticipated scheduled and routine work that remains to be completed by September 30, 2018 include the following:

- Monthly New Source Performance Standard (NSPS) Well Measurements and Reporting.
- Follow-up wellfields adjustments and field maintenance associated with out of compliance wells.
- Quarterly blower grease replacement.
- NSPS Semi-Annual Report to FDEP for the period of January through June 2018.
- Method 22 testing at the flare.

To provide the remaining routine services and funding for limited contingencies for non-routine emergencies events, S2Li is requesting a change order for increased funds under its Work Authorization No. CM2096-WA22 in the amount of \$60,000. An estimate that details anticipated expenditures associated with this request is attached. Any expenditure of these additional funds will be in accordance with the firm's Agreement on a time and materials basis, with no markup of purchased parts.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

S2L, Incorporated

Omar E. Smith, P.E., V.P.
Regional Manager

Attachment

11-Jun-18

EXHIBIT 1
CHANGE ORDER No. 1
Service Period Estimate
Fiscal Year 2018 (October 1, 2017 through September 30, 2018)
Operation, Monitoring, Maintenance, and Reporting
Landfill Gas Collection and Control System
West Nassau Class I Landfill
Nassau County, Florida

S2Li No.: 17-738
Nassau County No.: CM2096-WA22-C

Total Project Costs
S2Li Fee Estimate

LABOR		LABOR CATEGORY AND RATE											TOTAL HOURS	SUBTOTAL LABOR
		Project Dir./	Regional Manager/	Principal	Senior	Project	Associate	CAD				Office		
		Principal	QC Officer	Engineer	Engineer	Engineer	Engineer	Technician				Manager		
TASK	DESCRIPTION	\$225.00	\$208.88	\$171.38	\$122.51	\$81.81	\$47.47	\$47.47				\$68.46		
1	Routine Operation, Monitoring, Adjustments, and Reporting	9	91	0	21	56	54	0				11	242	\$31,503.59
1.1	Blower/Flare Station (2/month; 3 total)	0	8	0	0	3	3	0				0	14	\$2,058.88
1.2	LFG Extraction System (2/month; 3 total)	3	24	0	7	42	42	0				3	121	\$12,180.83
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)	1	3	0	4	0	0	0				2	10	\$1,478.60
1.4	Reporting													\$0.00
1.4A	Monthly (3 events)	3	40	0	6	3	9	0				3	64	\$10,643.30
1.4B	Semi-Annual (1 events)	2	16	0	4	8	0	0				3	33	\$5,141.98
1.4C	Annual Title V Operating Report/GHG Report	0	0	0	0	0	0	0				0	0	\$0.00
2	Non-Routine Scheduled Maintenance	2	6	0	6	0	24	0				0	38	\$3,577.62
3	Non-Routine Unscheduled Emergency Services	2	24	3	8	0	0	0				0	37	\$6,957.34
4	Parts and Subcontractors for Non-Routine Services	0	0	0	8	0	8	0				0	16	\$1,359.84
5	Miscellaneous Services	0	0	0	0	0	0	0				0	0	\$0.00
	SUBTOTALS:	13	121	3	43	56	86	0	0	0	0	11	333	\$43,398.39

EXPENSES		Field Vehicle (\$90/day) (Attach. 2)	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 (2/month; 3 total)													\$ -
1.2	LFG Extraction System (2/month; 3 total)	\$ 540.00						\$0.00						\$ 540.00
1.3	LFG Flare Emission Test and Reporting- Method 22 (1 event)							\$0.00						\$ -
1.4	Reporting													
1.4A	Monthly (12 events)						\$ 1,500.00							\$ 1,500.00
1.4B	Semi-Annual (2 event)							\$0.00						\$ -
1.4C	Annual Title V Operating Report/GHG Report							\$0.00						\$ -
2	Non-Routine Scheduled Maintenance	\$ 270.00			\$ 500.00									\$ 770.00
3	Non-Routine Unscheduled Emergency Services				\$ 500.00				\$ 5,516.61					\$ 6,016.61
4	Parts and Subcontractors for Non-Routine Services			\$ -	\$ 5,500.00				\$ 2,275.00					\$ 7,775.00
5	Miscellaneous Services													\$ -
	SUBTOTALS:	\$ 810.00	\$ -	\$ -	\$ 6,500.00		\$ 1,500.00	\$ -	\$ 7,791.61					\$ 16,601.61

				COST SUMMARY				
Estimated Fee By Landfill for County Accounting Purposes:				TASK	DESCRIPTION	SUBTOTAL LABOR	SUBTOTAL EXPENSES	TASK TOTAL
West Nassau Class I Lined Landfill (42 acre area):	\$	46,200.00	77%	1	Routine Operation, Monitoring, Adjustments, and Reporting	\$31,503.59	\$2,040.00	\$33,543.59
West Nassau Unlined Landfill (11 acre area):		\$13,800.00	23%	2	Non-Routine Scheduled Maintenance	\$3,577.62	\$770.00	\$4,347.62
Total:				3	Non-Routine Unscheduled Emergency Services	\$6,957.34	\$6,016.61	\$12,973.95
				4	Parts and Subcontractors for Non-Routine Services	\$1,359.84	\$7,775.00	\$9,134.84
				5	Miscellaneous Services	\$0.00	\$ -	\$0.00
				TOTALS		\$43,398.39	\$16,601.61	\$60,000.00

Service Period Estimate
Fiscal Year 2018 (October 1, 2017 through September 30, 2018)
Operation, Monitoring, Maintenance, and Reporting
Landfill Gas Collection and Control System
West Nassau Class I Landfill
Nassau County, Florida

S2Li No. 17-738
County No. CM2096-WA22-CO1

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

Parts, Rental Equip., Subcontractors, Misc. Cost Estimate												FY2016
No.	Item/Event	Manufacturer or Subcontractor	\$/Item or Event	Item or Event Type	No. of Items or Events	Total Cost	Costs Under Task 1	Costs Under Task 2	Costs Under Task 3 -Exp	Costs Under Task 3 -Sub	Costs Under Task 4-Exp	Costs Under Task 4-Sub
1.	GEM5000 Rental		\$ 250	per day	0	\$ -					\$ -	
2.	Blower/Motor Belt (est)		\$ 600	ea.	0	\$ -					\$ -	
3.	Blower Replacement Grease & Disposal	Sullivan Envir.	\$ 1,275	per event	1	\$ 1,275						\$ 1,275
4.	Flow Meter Calibration											
	- Manufacturer Calibration & Rental Costs	Thermal Instr.	\$ 1,200	per event	0	\$ -					\$ -	
	- Field Removal and Install Costs	Sullivan Envir.	\$ 1,275	per event	0	\$ -						\$ -
5.	Flare Station Check/Maintenance											
a.	- UV Eye Cleaning and visual inspection											
	Rental - Manlift	Rental	\$ 900	per event	0	\$ -					\$ -	
	Labor	Sullivan Envir.	\$ 2,100	per event	0	\$ -						\$ -
	- Mob/Demob	Sullivan Envir.	\$ 1,200	per event	0	\$ -						\$ -
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	0	\$ -						\$ -
6.	Condensate Pumps - Check	Sullivan Envir.	\$ 2,500	per event	0	\$ -						\$ -
7.	GW-6 or 11 Type Repair	Sullivan Envir.										
a.	Parts	Isco	\$ 800	per event	0	\$ -			\$ -			
b.	Labor	Sullivan Envir.	\$ 1,020	per event	0	\$ -				\$ -		
8.	Sullivan Envir. Mob/Demob	Sullivan Envir.	\$ 1,200	per event	0	\$ -				\$ -		
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					\$ 5,575	\$ -	\$ -	\$ -	\$ 4,300	\$ -	\$ 1,275
	Other											
1.	Truck Rental		\$ 90	per day	9	\$ 810	\$ 540	\$ 270				
2.	Landtec Database	Landtec	\$ 500	per month	3	\$ 1,500	\$ 1,500					
3.	Spare Parts											
a.	Parts - Miscellaneous		\$ 2,000	ea.	1	\$ 2,000					\$ 2,000	
b.	Parts - Wellheads		\$ 500	ea.	6	\$ 3,000					\$ 3,000	
	Total Parts		\$ 2,500			\$ 5,000	\$ -	\$ -	\$ -		\$ 5,000	
4.	Miscellaneous or Identifiable Costs					\$ 3,717	\$ -	\$ 500	\$ 500	\$ 1,217	\$ 500	\$ 1,000
TOTAL						\$ 16,602	\$ 2,040	\$ 770	\$ 500	\$ 5,517	\$ 5,500	\$ 2,275