Attachment "A" Scope of Services

FDEP Semi-Annual Water Quality Monitoring Services

(Sampling, Laboratory Analyses, and Reporting Services)
for the

West Nassau and Lofton Creek Closed Landfills

Fall 2019 through Spring 2020 Sampling Events

Nassau County

S2L, Inc.'s Contract and Work Authorization Number: CM2685-WA06 S2Li Project Number: 19-844

Work Authorization Service Period: Fiscal Year 2020 (October 1, 2019 through September 30, 2020)

This Work Authorization will provide sampling, testing and reporting services by S2L, Incorporated ("S2Li") and The Colinas Group ("TCG") (S2Li's hydrogeological subconsultant) collectively known as the "S2Li Project Team" for the West Nassau and Lofton Creek Landfills in accordance to the respective landfill's water quality Monitoring Plan Implementation Schedules ("MPIS") within the permits for each site. As an additional services option, the S2Li Project Team will also sample and analyze the water quality at the wells along Meadowfield Bluff Road and provide the results for County documentation. Under the scope of services for this Work Authorization, S2Li Project Team will perform the following:

SCOPE OF SERVICES

S2Li Project Team will provide qualified professional labor to complete groundwater and surface water sampling, laboratory analyses and reporting to support Nassau County in compliance with Florida Department of Environmental Protection ("FDEP" or "Department") permit conditions and the requirements of FDEP Rule 62-701, FAC. S2Li Project Team will prepare two (2) Semi-Annual Water Quality Monitoring Reports each for the West Nassau and Lofton Creek landfills over the coming fiscal year period (October 1, 2019 through September 30, 2020). S2Li Project Team will use groundwater level measurements and field and laboratory results from analyses of collected groundwater and surface water samples to complete the semi-annual FDEP data reporting requirements.

The Semi-Annual Monitoring Reports will be prepared in accordance with the requirements of FDEP Rule 62-701.510(8)(a) and the landfill's current FDEP MPIS. The Semi-Annual Monitoring Reports will include, but may not be limited to:

- a. Facility basic information, sample collection dates, and laboratory analyses dates;
- b. Original laboratory report results, QA/QC notations for analytical results, method detection limits, applicable water quality standards and STORET code numbers for all parameters analyzed;
- c. Tabulated water level and field parameter measurement data;
- d. Map showing monitoring locations for groundwater and surface water monitoring points with identification numbers;
- e. Water level measurements and measuring point elevations at each monitoring point reported to a precision of 0.01 feet NGVD;

- f. Updated groundwater contour maps for the upper and lower monitoring zones, with contour intervals no greater than 1 foot, indicating groundwater elevations and direction of groundwater flow;
- g. Summary of any water quality standards or criteria that are exceeded, and;
- h. Electronic Data Delivery (EDD) prepared in FDEP ADaPT format.

S2LI Project Team will complete two semi-annual monitoring and reporting events each for the West Nassau Closed Landfill and the Lofton Creek Closed Landfill with expected sampling to be conducted in the Fall (October) 2019 and Spring (April) 2020. Water quality monitoring reports will be prepared in draft form for review and comment by Nassau County and, on approval, will be submitted to the FDEP through the Department's ESSA website. Electronic copies of the original submittal will be transmitted to Nassau County to complete each monitoring event.

Optional Additional Scope of Services for Lofton Creek Landfill

Nassau County may desire to monitor water quality from time to time at four (4) existing monitoring wells located along Meadowfield Bluffs Road located to the west of the Lofton Creek Closed Landfill. At the County's direction, S2Li Project Team will sample these wells one time during the time of the spring sampling event of the Lofton Creek Landfill monitoring wells, analyze the samples in the laboratory and prepare a letter report presenting monitoring results with recommendations for further actions, if any, on the part of Nassau County. Analysis will include those listed in the landfill's FDEP MPIS for testing at facility background monitoring wells.

SCHEDULE

Work under the Scope of Services provided above will begin upon receipt of the signed Work Authorization. It is estimated that it will take approximately 30 days to complete and deliver the draft Semi-Annual Water Quality Monitoring Reports from the time of receipt of laboratory analytical results. S2Li Project Team will prepare one (1) draft copy of each report for review and approval of Nassau County. Upon approval from Nassau County, S2Li Project Team will prepare the final report and submit the electronic data deliverable in ADaPT format to the FDEP Tallahassee Office and Nassau County.

Work under the Scope of Services provided below will begin October 1, 2019 and run through this service period ending September 30, 2020.

COST ESTIMATE

A detailed breakdown of costs for completion of semi-annual water quality monitoring activities at both landfills is provided on the attached Cost Summary Sheet. Annual costs for field sampling, laboratory analyses and report preparation for submittal to the FDEP in accordance with landfill closure permit requirements are provided in the attachment to this proposal.

Costs for groundwater analyses include the addition of tests for Boron and Hydrogen Sulfide at specific monitoring wells at the West Nassau and Lofton Creek landfills to meet anticipated upcoming FDEP rule revisions for monitoring at unlined Class I landfills. S2Li Project Team will include both parameters for sampling in the first semi-annual monitoring event following the date of final and official rule revision by the FDEP. Laboratory analysis costs (\$40/sample) for Boron and Hydrogen Sulfide together are included in the Cost Summary Sheet.

Potential costs for re-sampling of groundwater and surface water are provided for rare instances where an original sample analysis confirmation is considered advisable. Costs are presented as Contingent DW/SW Resampling in the Cost Sheet Summary. Resampling of any monitoring well or surface water station will only occur with prior approval from Nassau County.

The cost estimate to conduct the Work as described in the above-listed Scope of Services is \$56,071.62 including the optional additional services for Lofton Creek Landfill. A detailed breakdown for each task in conjunction with the estimated labor hours, contract labor rates, and expenses are included in the attached Exhibit 1 for the S2Li Project 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.

H:\PROPOSALS AND MISC CORRESPONDENCE\Nassau County\Water Quality MPIS Sampling, testing and reporting\NC Water Quality Testing and Reporting_OEs.sbl.docx

August 5, 2019

Total Project Costs S2Li Fee Estimate

EXHIBIT 1

FDEP Semi-Annual Water Quality Monitoring Services West Nassau and Lofton Creek Closed Landfills Sampling, Laboratory Analyses, and Reporting

CM2685-WA06

County No. SZLi No.

19-844

Fall 2019 through Spring 2020

Nassau County, Florida

			1	A STATE OF THE PARTY OF THE PAR		LABO	LABOR CATEGORY AND RATE	RATE			San Charles
LABOR		Project Dir./ Principal	Regional Manager/ QC Officer	Principal Engineer	Senior Engineer	Project Engineer	Associate Engineer/CADD	Field Technician	Office Manager	TOTAL	SUBTOTAL
TASK	DESCRIPTION	\$250.00	\$232.25	\$190.26	\$137.09	\$97.92	\$74.21	\$52.38	\$76.24		
н	West Nassau Landfill	7	12	0	0	0	0	0	9	20	\$3,744.44
7	Lofton Creek Landfill	7	12	0	0	0	0	0	9	70	\$3,744,44
м	Meadowfield Buff Road (Optional Addional Services for Lofton Creek Landfill)	0	2	0	0	0	0	0	н	m	\$540.74
	SUBTOTALS:	4	26	0	0	0	o	0	13	43	\$8,029.62
EXPENSES TASK	DESCRIPTION	Field Vehicle (\$100/day)	Lab Testing (est:)	Equipment Rental (est.)	Parts (est.)	The Colinas Group (Attachment)					SUBTOTAL
н	West Nassau Landfill	ر ج	, \$	· \$		\$ 23,936.00	· \$				\$ 23,936.00
2	Lofton Creek Landfill	·	- \$	· •		\$ 21,126.00	· \$				\$ 21,126.00
ю	Meadowfield Buff Road (Optional Addional Services for Lofton Creek Landfill)					\$ 2,980.00					\$ 2.980.00
	SUBTOTALS:	- \$	- \$	- \$	- \$	\$ 48,042.00	5		- \$	1	4
											1

	١	1	J		
TASK TOTAL	3,744.44 \$ 23,936.00 \$ 27,680.44	24,870.44	\$3,520.74	56,071.62	
SUBTOTAL EXPENSES including Subconsultants	\$ 00:986:02	21,126.00 \$	2,980.00	48,042.00	
SUBTOTAL SUBTOTAL EXPENSES including SZLI LABOR Subconsultants	3,744.44 \$	3,744.44 \$ 21,126.00 \$	540.74 \$ 2,980.00	8,029.62 \$ 48,042.00 \$ 56,071.62	
	⋄	\$	\$	₩	-
DESCRIPTION	West Nassau Landfil	Lofton Creek Landfill	Meadowfield Buff Road (Optional Addional Services for Lofton Creek Landfill)	ALS	
TASK	н	2	м	TOTALS	
	2	-	لم	\	
	10 01342534-53100 0-\$21313-93	(2) 01361534-531000-40	(2) (1363534-531000-AB391.1		26,01.67

COST SUMMARY

THE COLINAS GROUP, INC.

HYDROGEOLOGISTS & ENGINEERS

August 2, 2019

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

Subj: Proposal for Hydrogeological Services
Nassau County Closed Landfills
FDEP Semi-Annual Water Quality Monitoring Reporting
Fall 2019 through Spring 2020
TCG Proposal No. P-583

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 for Nassau County's West Nassau Closed Class I Landfill and Lofton Creek Closed Class I Landfill for the period <u>Fall 2019 through Spring 2020</u>.

SCOPE OF SERVICES

TCG will provide qualified professional labor to complete groundwater and surface water sampling, laboratory analyses and reporting to support Nassau County in compliance with Florida Department of Environmental Protection (FDEP) permit conditions and the requirements of FDEP Rule 62-701, FAC. TCG will prepare two (2) <u>Semi-Annual Water Quality Monitoring Reports</u> each for the West Nassau and Lofton Creek landfills over the coming one-year period. TCG will use groundwater level measurements and field and laboratory results from analyses of collected groundwater and surface water samples to complete the semi-annual FDEP data reporting requirements

The Semi-Annual Monitoring Reports will be prepared in accordance with the requirements of FDEP Rule 62-701.510(8)(a) and the landfill's current FDEP Monitoring Plan Implementation Schedule (MPIS). The Semi-Annual Monitoring Reports will include, but may not be limited to:

- Facility basic information, sample collection dates and laboratory analyses dates:
- b. Original laboratory report results, QA/QC notations for analytical results, method detection limits, applicable water quality standards and STORET code numbers for all parameters analyzed;
- c. Tabulated water level and field parameter measurement data;
- d. Map showing monitoring locations for groundwater and surface water monitoring points with identification numbers;
- e. Water level measurements and measuring point elevations at each monitoring point reported to a precision of 0.01 feet NGVD;
- f. Updated groundwater contour maps for the upper and lower monitoring zones, with contour intervals no greater than 1 foot, indicating groundwater elevations and direction of groundwater flow;
- g. Summary of any water quality standards or criteria that are exceeded, and;
- h. Electronic Data Delivery (EDD) prepared in FDEP ADaPT format.

TCG will complete one calendar year of Florida Department of Environmental Protection (FDEP) semi-annual monitoring and reporting events for the West Nassau Closed Landfill and the Lofton Creek Closed Landfill to include: Fall (October) 2019 and Spring (April) 2020. Water quality monitoring reports will be prepared in draft for review and comment by S2Li and Nassau County and, on approval, will be submitted to the FDEP through the Department's ESSA website. Electronic copies of the original submittal will be transmitted to S2Li to complete the monitoring event.

TCG proposes to complete the above Scope of Services on a not-to-exceed fee basis in accordance with our personnel standard hourly rates. A summary of professional labor fees and subcontract laboratory costs to complete the work tasks is presented below:

Semi-Annual Monitoring and Reporting (One-Year)

	TOTAL FEES AND COSTS	\$ 45,062.00
	Sub-Total	\$ 21,126.00
Laboratory Direct Costs		<u>13,866.00</u>
TCG Professional Labor		\$ 7,260.00
Lofton Creek Landfill		
	Sub-Total	\$ 23,936.00
Laboratory Direct Costs		<u>16,636.00</u>
TCG Professional Labor		\$ 7,300.00
West Nassau Landfill		

Nassau County may desire to monitor water quality from time to time at four (4) existing monitoring wells located along Meadowfield Bluffs Road located to the west of the Lofton Creek Closed Landfill. TCG, at the direction of S2L, Inc., will sample these wells, analyze the samples in the laboratory and prepare a letter report presenting monitoring results with recommendations for further actions, if any, on the part of Nassau County. Analytes will include those listed in the landfill's FDEP Monitoring Plan Implementation Schedule for testing at facility background monitoring wells.

A summary of professional labor fees and laboratory costs to complete this "on-request" task is presented below:

Optional Monitoring and Reporting (per event) for Meadowfield Bluffs Road

TCG Professional Labor		\$ 950.00
Laboratory Direct Costs		\$ 2,030.00
	TOTAL FEES AND COSTS	\$ 2,980.00

A detailed breakdown of costs for completion of semi-annual water quality monitoring activities at both landfills is provided on the attached Cost Summary Sheet. Annual costs for field sampling, laboratory analyses and report preparation for submittal to the FDEP in accordance with landfill closure permit requirements are provided in the attachment to this proposal.

Costs for groundwater analyses include the addition of tests for Boron and Hydrogen Sulfide at specific monitoring wells at the West Nassau and Lofton Creek landfills to meet anticipated upcoming FDEP rule revisions for monitoring at unlined Class I landfills. TCG will include both parameters for sampling in the first semi-annual monitoring event following the date of final and official rule revision by the FDEP. Laboratory analysis costs (\$40/sample) for boron and Hydrogen Sulfide together are included in the Cost Summary Sheet.

Potential costs for re-sampling of groundwater and surface water are provided for rare instances where an original sample analysis confirmation is considered advisable. Costs are presented as Contingent DW/SW Resampling in the Cost Sheet Summary. Resampling of any monitoring well or surface water station will only occur with prior approval from both S2L, Inc. and Nassau County.

We estimate approximately 30 days to complete and deliver the draft Semi-Annual Water Quality Monitoring Reports from the time of receipt of laboratory analytical results. TCG will prepare one (1) draft copy of each report for review and approval of S2Li and Nassau County. Upon approval from S2Li, TCG will prepare the final report and submit the electronic data deliverable (EDD) in ADaPT format to the FDEP Tallahassee Office and 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

COST SUMMARY SHEET

SEMI-ANNUAL WATER QUALITY MONITORING AT NASSAU COUNTY CLOSED LANDFILLS 2019 - 2020

		TAS	K 1: WEST NA	SSAU LANDFILL		
Item	Field Compon	ent	Schedule	Cost per Event	Events/Yr.	Annual Cost
1	Field Sampling Groundwater a	nd Surface Water	Semi-Annual	\$1,825.00	2	\$ 3,650.00
Item	Analytical Component	Schedule	Cost/Sample	Samples/Event	Events/Yr.	Annual Cost
2	Groundwater Analysis	Semi-Annual	\$ 255.00	7	2	\$ 3,570.00
3	Groundwater Analysis (+BH2S)	Semi-Annual	\$ 295.00	9	2	\$ 5,310.00
<u>4</u> 5	Surface Water Analysis GW Equipment Blanks	Semi-Annual Semi-Annual	\$ 528,00 \$ 295,00	1	2	\$ 1,056.00
6	Groundwater Trip Blanks	Semi-Annual	\$ 295,00 nc	1	2 2	\$ 590.00
7	Surface Water Trip Blanks	Seml-Annual	nc	 	2	\$
8	GW Duplicate Samples	Semi-Annual	\$ 295,00	1	2	\$ 590,00
9	Contingent GW Resampling	Semi-Annual	\$ 480.00	1	2	\$ 960.00
10	Contingent SW Resampling	Semi-Annual	\$ 455.00	1	2	\$ 910.00
Item	Reporting Comp		Schedule	Cost/Event	Events/Yr.	Annual Cost
11	WQMP Report Preparation an	d FDEP Submittal	Semi-Annual		2	\$ 7,300.00
			WEST NASS	AU LANDFILL TO	TAL	\$ 23,936.00
		TAS	2: LOFTON C	REEK LANDFILL		
Item	Field Compone	ent	Schedule	Cost per Event	Events/Yr.	Annual Cost
12	Field Sampling Groundwater		Semi-Annual	\$ 1,900.00	2	\$ 3,800.00
12	Field Sampling Surface Water		Semi-Annual	\$ 300,00	2	\$ 600.00
Item	Analytical Component	Schedule	Cost/Sample	Samples/Event	Events/Yr.	Annual Cost
14A	MW-1S	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	MW-1i	Semi-Annual	\$ 126.00	1	2	\$ 252.00
14C	MW-3S	Semi-Annual	\$ 60,00	1	2	\$ 120.00
14D	MW-4S	Semi-Annual	\$ 60,00	1	2	\$ 120.00
	MW-4i	Semi-Annual	\$ 60.00	1	2	\$ 120.00
	MW-5S	Seml-Annual	\$ 120.00	1	2	\$ 240.00
	MW-6S	Semi-Annual	\$ 60,00	1	2	\$ 120,00
	MW-7S	Semi-Annual	\$ 120.00	1	2	\$ 240.00
	MW-71	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	MW-9S	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	MW-9I	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	MW-10S	Semi-Annual	\$ 60.00	1	2	\$ 120.00
	MW-10I	Semi-Annual	\$ 120.00	1	2	\$ 240.00
	MW-13S ,	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	MW-13I	Seml-Annual	\$ 126,00	1	2	\$ 252.00
	MW-15S	Semi-Annual	\$ 60.00	1	2	\$ 120.00
	MW-15i	Seml-Annual	\$ 120.00	1	2	\$ 240.00
14R	MW-185	Seml-Annual	\$ 120.00	1	2	\$ 240.00
148	MW-18I	Semi-Annual	\$ 120.00	1	2	\$ 240.00
14T	Surface Water Analysis	Semi-Annual	\$ 528.00	3	2	\$ 3,168.00
14U	GW Equipment Blanks	Seml-Annual	\$ 126.00	1	2	\$ 252,00
14V	GW Trip Blanks	Semi-Annual	nc	1	2	\$ -
14W	SW Trip Blanks	Seml-Annual	nc	1	2	\$ *
	GW Duplicate Samples	Semi-Annual	\$ 126.00	1	2	\$ 252.00
	Contingent GW Resampling	Semi-Annual	\$ 480.00	1	2	\$ 960.00
	Contingent SW Resampling	Semi-Annual	\$ 455.00	1	2	\$ 910.00
item	Reporting Compo		Schedule	Cost per Event	Events/Yr.	Annual Cost
15	WQMP Preparation and FD	DEP Submittal	Semi-Annual	\$ 3,630,00	2	\$ 7,260.00
				CREEK LANDFIL		\$ 21,126.00

		TASK 3: MI	EADOWFIELD BI	.UFFS ROAD (OP	TIONAL)	
Item	Fleid Compon	ent	Schedulo	Cost per Event	Events/Yr.	Per Event Cost
16	Field Sampling Groundwater		On Demand	\$ 850,00	TBD	\$ 850,00
Item	Analytical Component	Schedule	Cost/Sample	Samples/Event	Event/Yr.	Per Event Cost
17	Groundwater Analyses	On Demand	\$ 295,00	4	TBD	\$ 1,180.00
Item	Reporting Comp	onent	Schedule	Cost per Event	Events/Yr.	Per Event Cost
18	Report Preparation and Co	ounty Submittal	On Demand	\$ 950,00	TBD	\$ 950,00
			MEADOWFIELD	BLUFFS ROAD T	OTAL.	\$ 2,980.00

WATER QUALITY MONITORING COST SUMMARY

Nassau County Landfills Water Quality Monitoring and Reporting	Annual Cost Summary
West Nassau Landfill	\$ 23,936.00
Lofton Creek Landfill	\$ 21,126.00
Meadowfield Bluffs Road (Optional)	\$ 2,980.00
TOTAL ANNUAL COST	\$ 48,042.00

FY 2019-2020 BUDGET REQUEST

Operating Expenditures Detail

WN Phase Told Post Closure 01361534

Vendor Name	Object	DESCRIPTION	Calculation	Contract Number	itemized Cost	Object Cla Total Cos
Professional Services 32LI	531xxx 531325	LFG O&M of Flare and gas system required by West Nassau FDEP Title V Permit		CM2098	44,000.00	69,000.
52U 52U	531000 531000	Inward Gradieni well monitoring & reporting required by FDEP WNLF Permil Landfill Stabilization & WQ Tech Report Due June 2020 FDEP required		CM2096 CM2096	6,000,00 8,000,00	1
22U 22U	531000 531000	Financial Assurance Rpl FDEP required Water Quality collection, testing & reporting as required by FDEP	Cmauss	CM2096 CM2096	5,000.00 6,000.00	15.33
				rganer, skapp Elisa ja aksan		12 N. 12 S.
				1692/07/28 1692/07/28	andream de la company de l Esta de la company de la compan	
				Legales (Variation) Access (Variation)		
	2000 may 199 368 199 may 199 369 may 199 360 may 199 360 may 199 360 m					建
Contractúal Services	534xxx					
istorija ir in dielektrika in die see see see see see see see see see s	MALABATA Sistematik	rengen er er en statt grippen mer ste er og generalende er en ste en en ste en ste en ste en ste en ste en me Di til fræde er en en statt grippen er en en en en ste en en en en ste en en ste en		2012年1月2日 2015日7月2日 2015日7月2日		
	25 Mars 25 24 Mars 25	的复数形式 (1995年) 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995年 - 1995		3/1907/0275 30:500-0000		
	Harristonicae Distriction Experience		100	\$505 (504 \$505 (504)		
	SALESCON MARKETA					
	125 (2012 com 25 (2012 com			William St.		
ravel & Per Diem	540xxx					
lommunications & Freight	541xxx					See
en de mante de la company de la company La company de la company d	pergraphicals Temperature			######################################		
	digasashayas Shaqinatiga	a philipin dha ann a gu ga dhe an ameach ach mìo an mar an abh a mhliain tha bhiadh thigh i shi bhiadh a chuid Tamha cha guar c' an tamh ar an aigh ach an gha chuid an dha an amh an aigh a seigear a coilean am an a		2005年1月1月 6月20月日本東京		
	Angeleichen Englischen	$\frac{1}{2} \log (\log \log \log$	AND SECTIONS AND SECTIONS OF S	AMAZARANA AMAZARANA	UMAGE PARAGE	
	SOCIALISTA AND SOCIALIST TO SOCIALISTA					
	SALASSALASIA No. (Markins			Carrent and		
	e manana jen Jenghan jen		The section of the se		encessierede Parentalende	
	\$1850 \$175. \$1850 \$175.			12年1月2日 12年1日 12年	era destitationes et l'enterain l'est	
oplace	542xxx			TERROR STATE	ENVIOUS GROOT	
Illity Services	ANNOUNCE OF					State and the contract of
Electric, Water/Sewer, Garbage, lo.)	643xxx					1,800
	543000	Fiere Meter # KN37910 25% of total cost of bill other 75% budgeted in 01382534	\$600/mo*25%*12	eastragade Communication Sept.257250	1,800.00	
	Egistatestatesta (militarios (1))		१९-४४-४५ वर्षे स्त्री १९४४ (१९४४) १९४४-२ वर्षे	(12/07/2015/07/2015) (12/07/2015/2015/2015/2015/2015/2015/2015/2015	versennen en en physikolanegeren	
	25-65-086-0 465-686-05-05-05-05-05-05-05-05-05-05-05-05-05-			e reportante.	araga yan dala Sanggaran was	
	Anglikating to Anglikyating Anglikyating					
	VANDERALIS			egilekeriyase estifikasiyase estifikasi	eleneration (Spirite) (Spirite recognition (Spirite)	
	Hala takiga dal Salaksa (KV) SAR		224 254 04 04 04 04 04 04 04 04 04 04 04 04 04	gavani, saa. aanii yaasna	KARENEMBARANES AVORAGENSATION	
	netrotroten fer motivitatigatet,		en gravenski karningsky Vijekaranski karningsky	angalansa Sagaranga	weverndowyne weverndowyne	
Erste Systematics and expension of the Book Erste State (Control of the System of the	2016年2月1日 2月1日日 - 12月1日 2月1日日 - 12月1日		#11日本学の経験の表現では、4月日本 本学の表現では、2月日本の表現はデールを行う。	en kronoviče Interpretati	550554005400500 557/555570050	
	distributions distributions			en andraga Angrana Angrana		
entals & Leases o be determined	544xxx 544000	Rentel of mower/tractor in the event of equip failure or breakdown		SERVICES Viennichten	1,000.00	1,000
	1 V 22, Sve Signi 1 (S 1) (S	Posted in other orgs, 01362534, 01363534, 01364534		Walangitele Walani Mayik		
	Productional of Control Republic		Landina Anniegova en en Alfred Antoniologie generalie	The antice (1) The antice (1)	ANTERNATION (SEE	
rentalis i establica en en la frança en en establica. En en en en en el frança en	All market supply		regulation in production ((aparticipate) production	en en televirier		
	र् यात्री स्थाप्तिकारः वृत्येन्द्रायः वार्यापन्यीयः वृत्येन्द्रायः विविद्याः वि	And Migrory (Mitter Lee Anderson) (Anderson) (Mitter Lee Anderson) (Mitter Lee Anderson) (Mitter Lee Anderson) Anderson (Mitter Lee Anderson) (Mitter Lee Anderson) (Mitter Lee Anderson) (Mitter Lee Anderson) (Mitter Lee A Mitter Lee Anderson) (Mitter Lee Anderson)		Talkaran va Valgrandara Valgrandara		
surance	545xxx 545000	Eslimate based upon the FY 19/20 Insurance Estimated provided by OMB			850.00	850
angga), or b), pamar abadyin erfitorio Biro:	040000	Calificate pased opolitics (1.16/20 linevialities Estimated provided by OMB	a national advantage selection of the se	projektoranski	eprinting and and a	
PRACTICAL CONTRACTOR OF THE PROPERTY OF THE PR	RANGERS, N.		ASSEQUENCES SECURITIONS	344.431.960	va valažnijajajajaja	THE WILLIAM

FY 2019-2020 BUDGET REQUEST

Operating Expenditures Detail

WN Phase II New PC & Closure

	Vendor Name	Object	DESCRIPTION	Calculation	Contract Number	Itemized Cost	Object Class Total Cost
100	Professional Services 32L1 32L1 32L1 32L1 32L1 32L1 32L1 32L1	531000 531000 531000 531000 531000	LFG O&M of Flare and gas system required by West Nassau FDEP. Tille V Permil Inward Gradlent well monitoring & reporting required by FDEP WNLF Permil Landfill Stabilization & WQ Tech Report Dus June 2020 FDEP required Financial Assurance Rpi FDEP required Water Quality collection, testing & reporting as required by FDEP. Inward Gradlent & Water Quality Impact Study as required by FDEP General Engineering (other FDEP liems that may arts or needed)		CM2096 CM2096 CM2096 CM2096 CM2096 CM2096 CM2096	22,000.00 22,000.00 27,000.00 18,000.00 21,000.00 25,000.00	699,934.00
	Nnella Urgeni Cëre Water Recovery Water Recovery	631035 631313 531313CSCSW	Orig Tesling as needed (1) one employee Leachale removal Water Recovery Leachale removal Water Recovery FDEP Grant Funding relimb anticipated by FDEP Grant amount of \$90,909	4 emplovees@25\$ svg 495,000 gallon/mo *12/mo plus bul/er	CM2246	25,000.00 25,000 325,000.00 90,909.00	
	Ontrollial Services	534xxx					
	ravel & Per Diem	541xxx	(see llemized worksheet lab)				1,143.00
	uat felton felicon	541000 541000 541000	763-1340 E.Diden County Cell Gps services for Synovia SWD-229 Verizon Wireless 753-0411 (on cell cell phone)	12mo'50/mo	GM2408a1	600,00 3.00 640,00	
l Celt	ostage Illilly Services Electric; Water/Sewer, Garbage, Ic.) PL	543xxx 543000	建筑的设备的设备的设备的设备的设备的设备的设备的设备的设备的设备的设备的设备的设备的	\$800/mo*75%*12		200,00	11,880.00
	PL STATE OF THE ST	543000 543000 543000 543000	NS leachate tanks mtr#KN37807 avg bill \$200*12 WS Pümping station mtr#AC64901 avg bill \$80*12 ES Pümping station mtr#AC64902 avg bill \$100*12 Maint shop at LF mtr#AC64904 avg bill \$80*12 Street light mtr#AC64951 avg bill \$40/mo*12 SS pumping station mtr#AC64961 avg bill\$40/mo*12			2,400.00 960.00 1,200.00 980.00 480.00 480.00	
A		644000 544000	Renial & lease of oxygen; acelelyn tanks Rental of various closure equipment as needed budgeted in 01361534, 01363534, 01364534 GPS rental for closure vehicle 12*513.78 Synovia CM2408-A1 Unit SWD229			815.00 2,000.00 166.00	2,981.00
1000		(S.C.)****	Insurance on equipment Estimate based upon FY.19/20 Insurance Estimates provided by OMB			4,775,00	4,775.00
					denoralistación consensación esta consensación describentes consensación consensación		

FY 2019-2020 BUDGET REQUEST

Lofton Creek Post Closure 01363534

Operating Expenditures Detail

Vendor Name	Object	DESCRIPTION	Galculation	Gontract Number	(tomized Cost	Object Clas Total Cost 42,000.0
S2LI		LFG Passive gas well abandonment as required by FDEP Water Quality collection, testing and reporting	0M2685	CM2096 GM2090—	14,000.00 28,000.00	42,000.0
				den se <u>ten</u> egistekken etropensi		
	COSTOCACIONI BERNOASIO COSTOCACIONI COSTOCAC					
Contractual Services	634xxx					
						504
Travel & Per Diem Communications & Freight	540xxx 541xxx	(see liemized worksheel lab)				
Commission of the Commission o	10 - 25 - 25 10 - 25 - 25 10 - 25 - 25 10 - 25 - 25 10 - 2		And the state of t	SECTIONS AREASTA AREASTA		
						# 100
Postage Utility Services	542xxx					
(Electric, Water/Sewer, Garbage, etc.)	543xxx					
					2000 (2000) 2000 (2000) 2000 (2000) 2000 (2000)	5 (F)
	EGENERAL SE EGENERAL SE EGENER	28 - State Control of the Control of		rasari, area par Materialismi (DM migrasii)		
	Elektristering Elektristering i menganyikan		angewis die mesep erspigs Bellehren geste Spiereit Meseria, warding San			
Rentals & Leases To Be Determined		Rental of mower/tractor in the event of equipment down split between other orgs; 01362534, 01364534, 01361534			1,000,00	1,000.0
			and a some channel transmit and an anne period of a transmit which is provided to a some the			
Insurance	645xxx					600,0
	1937/9422 1955/ 144-542 144-444 144-542 144-444	Insrvence estimate FY 19/20 provided by OMB			600.00	
	entyment och all Etherhold Style Ottorio Nikolo				gagaranan ing pagging Saranangan di masakag Tagaran sarangan pagan	



Attachment B

Proposed Loaded Billing Rates for 2019/2020 for Services Provided by S2Li on Behalf of Nassau County

Contract Position	Hourly Rates
Project Director/Principal-in-Charge	\$250.00
Regional Manager/QC Officer	\$232.25 /
Principal Engineer	\$190,26
Senior Engineer	\$137.09
Project Engineer	\$ 97.92
Associate Engineer/CADD	\$ 74.21
Field Technician	\$ 52.38
Office Manager	\$ 76.24 /

- 1. Billing rate based on applying a 10% profit to S2Li's breakeven multiplier. Project Director was capped at \$250.00 per hour.
- 2. Rates include typical expenses such as reproduction, travel costs (except for field vehicle), lodging, and printing. Any other extraordinary direct expenses shall be negotiated on a case by case basis and will be identified in the Work proposal.
- 3. Subconsultant costs and parts purchased on the County's behalf will be billed as pass-through costs with no profit or markup added by S2Li in addition to actual costs.
- 4. Field vehicle (truck) will be billed at \$100/day.

THE COLINAS GROUP

Mr. Omar Smith, P.E. S2L, Inc. 529 Versailles Drive, Suite 202 Maitland, FL 32751

April 4, 2019

Subj: Professional Hydrogeologic Services Fee Schedule

S2L, Inc - Nassau County Continuing Contract for Engineering Services

Dear Mr. Levin:

The Colinas Group, Inc. (TCG) herein presents our proposed Professional Services Fee Schedule for hydrogeologic services that may be required from time to time in support of specific projects assigned to S2Li by Nassau County:

S2L, Inc. / Nassau County Continuing Professional Engineering Services Contract Support April 4, 2019

Personnel Classification	Billing <u>1</u> /. Rate
Principal Consultant/Project Manager (PG)	\$ 152.80
Sr. Hydrogeologist (PG)	\$ 123.50
Staff Hydrogeologist	\$ 90.50
Environmental Field Technician	\$ 88.35 <u>2</u> /.
Draftsperson/CAD Operator	\$ 62.00
Clerk/Word Processor	\$ 39.50

- 1/. Billing Rates include typical expenses such as mileage, reproduction and communication costs.
- 2/. Billing Rate includes mileage, field-testing instrument rental and water sampling supplies.
- 3/. As required, on a project-by-project basis, specialized field investigation equipment rental and subcontract drilling and well construction services will be billed as pass through costs with no profit or other fees added to actual cost.

The above billing rates will remain in force throughout the duration of S2Li's contract term with Nassau County.

Very truly yours, THE COLINAS GROUP, INC.

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