Appendix H Cost Estimates for Closure and Long-Term Care

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Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(28), F.A.C.

Form Title: Closure Cost Estimating Form For Solid Waste Facilities

Effective Date: January 6, 2010

Incorporated in Rule 62-701.630(3), F.A.C.

CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Manatee County Lena Road Class I Landfill WACS ID: SWD4144795

Permit Application or Consent Order No.: 39884-021-SO-01 Expiration Date: 3/24/36

Facility Address: 3333 Lena Road, Bradenton FL 34211

Permittee or Owner/Operator: Manatee County Utilities Department

Mailing Address: 3333 Lena Road, Bradenton FL 34211

Latitude: 27 ° 28 ' 10 " Longitude: 82 ° 26 ' 35 "

Coordinate Method: State Plane NAD83 W Datum: NGVD29

Collected by: Jeff Young, PSM Company/Affiliation: Pickett and Associates, Inc.

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Active Life of Unit From Date of Initial Receipt of Waste	If active: Remaining life of unit	If closed: Date last waste received	If closed: Official date of closing
Stage I (30-AC Closed)	132	1972	68	18		
Stage III	66	2004	10	0		
Stage II	118	2016	30	21		

Total disposal unit acreage included in this estimate: Closure: 286 Long-Term Care: 316

Facility type: (Check all that apply)
- ☒ Class I
- ☐ Class III
- ☐ C&D Debris Disposal
- ☐ Other: _____

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check type)

- ☐ Letter of Credit*
- ☐ Performance Bond*
- ☐ Guarantee Bond*
- ☐ Insurance Certificate
- ☒ Financial Test
- ☐ Trust Fund Agreement
- ☐ Escrow Account
- ☐ Form 29 (FA Deferral)

* - Indicates mechanisms that require the use of a Standby Trust Fund Agreement

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate ajustment below.

☐ **(a) Inflation Factor Adjustment** ☒ **(b) Recalculated or New Cost Estimates**

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website www.dep.state.fl.us/waste/categories/swfr or call the Financial Coordinator at (850) 245-8706.

This adjustment is based on the Department approved closing cost estimate dated: _____

Latest Department Approved **Closing Cost** Estimate:		Current Year Inflation Factor, ***e.g. 1.02***		Inflation Adjusted Closing Cost Estimate:
_____	×	_____	=	_____

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual **Long-Term Care** Cost Estimate:		Current Year Inflation Factor, ***e.g. 1.02***		Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	×	_____	=	_____

Number of Years of Long Term Care Remaining: × _____

Inflation Adjusted Long-Term Care Cost Estimate: = _____

Signature by: ☐ **Owner/Operator** ☒ **Engineer** (check what applies)

Signature

58026

Shane R. Fischer, PE, Vice President
Name & Title

3/22/2021
Date

813-804-6714
Telephone Number

3922 Coconut Palm Drive, Suite 102
Address

Tampa, FL 33619
City, State, Zip Code

sfischer@scsengineers.com
E-Mail Address

IV. ESTIMATED CLOSING COST (check what applies)

☒ **Recalculated Cost Estimate** ☐ **New Facility Cost Estimate**

Notes: 1. Cost estimates for the time period when the extent and manner of landfill operation makes closing most exp
2. Cost estimate must be certified by a professional engineer.
3. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.
4. In some cases, a price quote in support of individual item estimates may be required.

Description	Unit	Number of Units	Cost / Unit	Total Cost
1. Proposed Monitoring Wells (Do not include wells already in existence.)				
	EA	0	$0.00	
			Subtotal Proposed Monitoring Wells:	
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	235,321	$3.50	$823,623.50
Placement and Spreading	CY			
Compaction	CY	235,321	$0.41	$95,305.01
Off-Site Material	CY	235,321	$18.00	$4,235,778.00
Delivery	CY			
			Subtotal Slope and Fill:	$5,154,706.50
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY			
Synthetics - 40 mil	SY	1,411,92	$3.27	$4,612,903.43
Synthetics - GCL	SY			
Synthetics - Geonet	SY	1,411,92	$4.87	$6,876,220.81
Synthetics - Other (explain)				
			Subtotal Cover Material:	$11,489,124.25
4. Top Soil Cover:				
Off-Site Material	CY	941,284	$22.50	$21,178,890.00
Delivery	CY			
Spread	CY			
			Subtotal Top Soil Cover:	$21,178,890.00
5. Vegetative Layer				
Sodding	SY	1,411,92	$2.70	$3,812,200.20
Hydroseeding	AC			
Fertilizer	AC			
Mulch	AC			
Other (explain)				
			Subtotal Vegetative Layer:	$3,812,200.20
6. Stormwater Control System:				
Earthwork	CY			
Grading	SY			
Piping	LF	15,500	$35.00	$542,500.00
Ditches	LF			
Berms	LF	61,500	$10.66	$655,590.00
Control Structures	EA	177	$1,466.10	$259,500.05
Other (explain)	SF	17,700	$36.00	$637,200.00
Fabriform concrete			Subtotal Stormwater Control System:	$2,094,790.05

Description	Unit	Number of Units	Cost / Unit	Total Cost
7. Passive Gas Control:				
Wells	EA			
Pipe and Fittings	LF			
Monitoring Probes	EA			
NSPS/Title V requirements	LS	1		
			Subtotal Passive Gas Control:	
8. Active Gas Extraction Control:				
Traps	EA			
Sumps	EA			
Flare Assembly	EA			
Flame Arrestor	EA			
Mist Eliminator	EA			
Flow Meter	EA			
Blowers	EA			
Collection System	LF			
Other (explain) (See attachment)	LS	1	$2,537,400.00	$2,537,400.00
			Subtotal Active Gas Extraction Control:	$2,537,400.00
9. Security System:				
Fencing	LF			
Gate(s)	EA			
Sign(s)	EA			
			Subtotal Security System:	
10. Engineering:				
Closure Plan Report	LS	1	$1,269,450.00	$1,269,450.00
Certified Engineering Drawings	LS	1	$224,850.00	$224,850.00
NSPS/Title V Air Permit	LS	1	$50,000.00	$50,000.00
Final Survey	LS	1	$478,480.00	$478,480.00
Certification of Closure	LS	1	$233,390.00	$233,390.00
Other (explain) Bidding	LS	1	$168,390.00	$168,390.00
			Subtotal Engineering:	$2,424,560.00

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
11. Professional Services					
	Contract Management		Quality Assurance		
P.E. Supervisor	640	$179.00	160	$179.00	$143,200.00
On-Site Engineer	2,000	$94.00	1,000	$94.00	$282,000.00
Office Engineer	400	$77.00	1,200	$77.00	$123,200.00
On-Site Technician	2,400	$73.00	9,600	$73.00	$876,000.00
Other (explain) Admin&Reimbursables	400	$104.45	400	$904.75	$403,680.00

Description	Unit	Number of Units	Cost / Unit	Total Cost
Quality Assurance Testing	LS	1	$572,000.00	$572,000.00
			Subtotal Professional Services:	$2,400,080.00

Subtotal of 1-11 Above:	$51,091,751.01

12. Contingency 10 % of Subtotal of 1-11 Above $5,109,175.10

Subtotal Contingency:	$5,109,175.10
Estimated Closing Cost Subtotal:	$56,200,926.11

Description	Total Cost
13. Site Specific Costs	
Mobilization	$5,109,175.10
Waste Tire Facility	$42,000.00
Materials Recovery Facility	
Special Wastes	$121,550.63
Leachate Management System Modification	
Other (explain) _____	
Subtotal Site Specific Costs:	$5,272,725.73

TOTAL ESTIMATED CLOSING COSTS ($):	$61,473,651.84

V. ANNUAL COST FOR LONG-TERM CARE

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

(Check Term Length) ☐ 5 Years ☐ 20 Years ☒ 30 Years ☐ Other, ___ Years

Notes: 1. Cost estimates must be certified by a professional engineer.

2. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.

3. In some cases, a price quote in support of individual item estimates may be required.

All items must be addressed. Attach a detailed explanation for all entries left blank.

Description	Sampling Frequency (Events / Year)	Number of Wells	(Cost / Well) / Event	Annual Cost
1. Groundwater Monitoring [62-701.510(6), and (8)(a)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2	26	$1,221.39	$63,512.28
Annually	1			
			Subtotal Groundwater Monitoring:	$63,512.28
2. Surface Water Monitoring [62-701.510(4), and (8)(b)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2	2	$1,221.39	$4,885.56
Annually	1			
			Subtotal Surface Water Monitoring:	$4,885.56
3. Gas Monitoring [62-701.400(10)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1	1	$142,813.00	$142,813.00
			Subtotal Gas Monitoring:	$142,813.00
4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1	1	$78,207.00	$78,207.00
Other (explain) _____	_____			
			Subtotal Leachate Monitoring:	$78,207.00

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. Leachate Collection/Treatment Systems Maintenance				
Maintenance				
Collection Pipes	LF	38,633	$0.16	$6,181.28
Sumps, Traps	EA			
Lift Stations	EA	1	$8,000.00	$8,000.00
Cleaning	LS	1		
Tanks	EA			

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. (continued)				
Impoundments				
Liner Repair	SY			
Sludge Removal	CY			
Aeration Systems				
Floating Aerators	EA			
Spray Aerators	EA			
Disposal				
Off-site (Includes transportation and disposal)	1000 gallon	1	$31,789.60	$31,789.60
			Subtotal Leachate Collection / Treatment Systems Maintenance:	$45,970.88
6. Groundwater Monitoring Well Maintenance				
Monitoring Wells	LF	1	$1,000.00	$1,000.00
Replacement	EA			
Abandonment	EA			
			Subtotal Groundwater Monitoring Well Maintenance:	$1,000.00
7. Gas System Maintenance				
Piping, Vents	LF			
Blowers	EA			
Flaring Units	EA			
Meters, Valves	EA			
Compressors	EA			
Flame Arrestors	EA			
Operation	LS	1	$43,800.00	$43,800.00
			Subtotal Gas System Maintenance:	$43,800.00
8. Landscape Maintenance				
Mowing	AC	328.9	$337.03	$110,849.17
Fertilizer	AC			
			Subtotal Landscape Maintenance:	$110,849.17
9. Erosion Control and Cover Maintenance				
Sodding	SY	4,840	$2.70	$13,068.00
Regrading	AC	1	$7,647.20	$7,647.20
Liner Repair	SY	500	$7.44	$3,720.00
Clay	CY			
			Subtotal Erosion Control and Cover Maintenance:	$24,435.20
10. Storm Water Management System Maintenance				
Conveyance Maintenance	LS	1	$8,750.00	$8,750.00
			Subtotal Storm Water Management System Maintenance:	$8,750.00
11. Security System Maintenance				
Fences	LS	1	$2,093.00	$2,093.00
Gate(s)	EA	0.2	$6,353.00	$1,270.60
Sign(s)	EA			
			Subtotal Security System Maintenance:	$3,363.60

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
12. Utilities	LS	1	$22,000.00	$22,000.00
			Subtotal Utilities:	$22,000.00
13. Leachate Collection/Treatment Systems Operation				
Operation				
P.E. Supervisor	HR	24	$179.00	$4,296.00
On-Site Engineer	HR	0		
Office Engineer	HR	0		
OnSite Technician	HR	480	$94.00	$45,120.00
Materials	LS	1		
	Subtotal Leachate Collection/Treatment Systems Operation:			$49,416.00
14. Administrative				
P.E. Supervisor	HR	12	$179.00	$2,148.00
On-Site Engineer	HR			
Office Engineer	HR			
OnSite Technician	HR	480	$94.00	$45,120.00
Other				
			Subtotal Administrative:	$47,268.00
			Subtotal of 1-14 Above:	$646,270.69
15. Contingency	5	% of Subtotal of 1-14 Above		$32,313.53
			Subtotal Contingency:	$32,313.53

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
16. Site Specific Costs				
			Subtotal Site Specific Costs:	
			ANNUAL LONG-TERM CARE COST ($ / YEAR):	$678,584.22
			Number of Years of Long-Term Care:	30
			TOTAL LONG-TERM CARE COST ($):	$20,357,526.64

VI. CERTIFICATION BY ENGINEER

This is to certify that the Cost Estimates pertaining to the engineering features of this solid waste management facility have been examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and/or long-term care of the facility and comply with the requirements of Rule 62-701.630 F.A.C. and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature

Shane R. Fischer, PE, Vice President
Name and Title (please type)

3/22/2021
Date

58026
Florida Registration Number
(please affix seal)

3922 Coconut Palm Drive, Suite 102
Mailing Address

Tampa, FL 33619
City, State, Zip Code

sfischer@scsengineers.com
E-Mail address (if available)

813-804-6714
Telephone Number

VII. SIGNATURE BY OWNER/OPERATOR

Signature of Applicant

Robert Shankle, Solid Waste Manager
Name and Title (please type)

robert.shankle@mymanatee.org
E-Mail address (if available)

3333 Lena Road
Mailing Address

Bradenton, FL 34211
City, State, Zip Code

941-748-5543 x5275
Telephone Number

Attachment A

Cost Estimate Backup

CLIENT	PROJECT	JOB NO.	
Manatee County	5-Year Permit Update	09217088.18	
SUBJECT	BY	DATE	
Manatee County Lena Road Landfill Financial Assurance	MTR	9/18/2020	
5-Year Permit Update	CHECKED	DATE	
	SRF	3/22/2021	

1.) Proposed Monitoring Wells

All monitoring wells were constructed during the landfill construction. No additional wells proposed at the time of preparation of this cost estimate.

Subtotal Proposed Monitoring Wells: $0.00

2.) Slope and Fill (bedding layer between waste and barrier layer)

Excavation

Final 3D surface area = 12,707,334 SF
Assume 0.5 FT of fill is required over Final 3D surface area as bedding layer for geomembrane after surface of landfill has been stripped. Cost includes material, placment, and spreading.

=> (12,707,334 SF) x (0.5 FT) = 235,321 CY
=> (235,321 CY) x ($3.50/CY) COMANCO quote Attachment 2
= $823,623.50

Placement and Spreading

Included in the Off-Site Material price = $0.00/CY

Compaction

Volume = (12,707,334 SF) x (0.5 FT) = 235,321 CY
=> (235,321 CY) x ($0.405/CY) = $95,305.01 COMANCO quote Attachment 2

Off-Site Material

Volume = (12,707,334 SF) x (0.5 FT) = 235,321 CY
=> (235,321 CY) x ($18/CY) = $4,235,778 COMANCO quote Attachment 2

Delivery

Included in the Off-Site Material price = $0.00/CY

Subtotal Slope and Fill: $823,623.50 +$95,305.01 + $4,235,778 = $5,154,706.50

3.) Cover Material (Barrier Layer)

Off-Site Clay

Not anticipated at the time of preparation of this cost estimate.

Synthetics - 40 mil

Quantity based on 3D surface area of closure plus an additional 8% for loss factor ("lap and scrap")
Final 3D surface area = 12,707,334 SF
=> 12,707,334 SF + 8%

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3.) Cover Material (Barrier Layer) (Continued)

Material

=> 12,707,334 SF x (1.08) = 13,723,921 SF
=> (13,723,921 SF) / (9 SF/SY) = 1,524,880 SY

Textured liner material cost =$0.1792/SF
=> ($0.1792/SF) x (9 SF/SY) = $1.6128/SY SKAPS quote Attachment 3
=> (1,524,880 SY) x ($1.6128/SY) = $2,459,327

Freight

Textured liner area per roll = (23.5 FT) x (720 FT) = 16,920 SF
Rolls of liner required = (13,723,921 SF) / (16,920 SF/roll) = 811 rolls
Assume 16 rolls of liner per truckload x 16,920 SF/roll = 270,720 SF/truckload
Truckloads = (811 rolls) / (16 rolls/truckload) = 51 truckloads
Freight Commerce, GA to Bradenton, FL is $1,400/truckload
=> (55 truckloads) x ($1,400/truckload) = $70,980 SKAPS quote Attachment 3

Installation

Installation = $0.15/SF COMANCO quote Attachment 2
=> ($0.15/SF) x (12,707,334 SF) = $1,906,100
Installation (tie-in to existing liner) = $6.00/LF
Liner tie-in = 4,000 LF (assume closure edge)
=> ($6.00/LF) x (4,000 LF) = $24,000
=> installation = $1,906,100 + $24,000 = $1,930,100

Total

Total (material, freight, installation) = $2,459,327 + $70,980 + $2,082,588 = $4,612,903.43
=> Total (material, freight, installation) = ($4,612,903.43) / (1,411,926 SY) = $3.2671/SY

Synthetics - GCL

Not anticipated at the time of preparation of this cost estimate.

Synthetics - Geocomposite

Quantity based on 3D surface area of closure plus an additional 8% for loss factor ("lap and scrap")
Final 3D surface area = 12,707,334 SF
=> 12,707,334 SF + 8%
=> 12,707,334 SF x (1.08) = 13,723,921 SF
=> (13,723,921 SF) / (9 SF/SY) = 1,524,880 SY

Material

=> ($0.3350/SF) x (9 SF/SY) = $3.0150/SY SKAPS quote Attachment 3

CLIENT	PROJECT	JOB NO.
Manatee County	5-Year Permit Update	09217088.18

SUBJECT	BY	DATE
Manatee County Lena Road Landfill Financial Assurance	MTR	9/18/2020
5-Year Permit Update	CHECKED SRF	DATE 3/22/2021

3.) Cover Material (Barrier Layer) (Continued)

Geocomposite material cost = (13,723,921 SF) x ($0.3350/SF) = $4,597,513

Freight

Area per roll = (14.5 FT) x (230 FT) = 3,335 SF
Rolls of geocomposite required = (13,723,921 SF) / (3,335 SF/roll) = 4,115 rolls
Assume 26 rolls of geocomposite per truckload x 3,335 SF/roll = 86,710 SF/truckload
Truckloads = (4,115 rolls) / (26 rolls/truckload) = 158 truckloads
Freight Commerce, GA to Bradenton, FL is $1,400/truckload
=> (158 truckloads) x ($1,400/truckload) = $221,583 SKAPS quote Attachment 3

Installation

Installation = $0.16/SF COMANCO quote Attachment 2
=> ($0.16/SF) x (12,707,334 SF) = $2,057,124
Installation (tie-in to existing geocomposite) = $6.00/LF
Liner tie-in = 4,000 LF (assume closure edge)
=> ($6.00/LF) x (4,000 LF) = $24,000
=> installation = $2,033,173 + $24,000 = $2,057,173

Total

Total (material, freight, installation) = $4,597,513 + $221,583 + $2,057,124 = $6,876,220.81
=> total (material, freight, installation) = $6,876,220.81 / 1,411,926 SY = $4.8701/SY

Subtotal Cover Material (Barrier Layer): $4,612,903.43 + $6,876,220.81 = $11,489,124.25

4.) Top Soil Cover

Off-Site Material

Final 3D surface area = 12,707,334 SF COMANCO quote Attachment 2
Assume the following, materal average cost is $22.50/CY:
=> 6 inch topsoil layer used = {(12,707,334 SF) x (0.5 FT)} / 27 CY/CF = 235,321 CY x $22.50 CY = $5,294,723
=> 18 inch protective layer = {(12,707,334 SF) x (1.5 FT)} / 27 CY/CF = 705,963 CY x $22.50 CY = $15,884,168
Total Off-Site Material Material required = 235,321 CY + 705,963 CY = 941,284 CY
=> $5,294,723 + $15,884,168 = $21,178,890

Delivery

Included in the Off-Site Material price = $0.00/CY

Spread

Included in the Off-Site Material price = $0.00/CY

Subtotal Top Soil Cover: $21,178,890

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	SRF	3/22/2021	

5.) Vegetative Layer

Sodding

Final 3D surface area = 12,707,334 SF = 1,411,926 SY COMANCO quote Attachment 2
=> (1,411,926 SY) x ($2.70/SY) = $3,812,200.20

Hydroseeding

Not anticipated at the time of preparation of this cost estimate.

Fertilizer

Not anticipated at the time of preparation of this cost estimate.

Mulch

Not anticipated at the time of preparation of this cost estimate.

Subtotal Vegetative Layer: $3,812,200.20

6.) Stormwater Control System

Earthwork

Included in Piping cost identified below.

Grading

Will not be required, will be constructed during the landfill construction.

Piping

The stormwater control system is already in place in 30 AC closure area (Stage I - southeast)
The remaining system is shown on the Operation Drawings.

=> 15,500 LF of piping for Stage I-III COMANCO quote Attachment 4
=> (15,500) x ($35/LF) = $542,500

Ditches

Constructed during operations.

Berms

4 berms per Permit Plans

EL 55 berm = 16 SF/LF based on 3:1 berm 2 FT tall with 2 FT top deck
EL 75 berm = 16 SF/LF based on 3:1 berm 2 FT tall with 2 FT top deck

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5-Year Permit Update		CHECKED	DATE
		SRF	3/22/2021

6.) Stormwater Control System (Continued)

Berms — COMANCO quote Attachment 2

EL 95 berm = 16 SF/LF based on 3:1 berm 2 FT tall with 2 FT top deck
EL 110 berm = 16 SF/LF based on 3:1 berm 2 FT tall with 2 FT top deck
=> Total berm length = 61,500 LF
=> (61,500 LF) x ($10.66/LF) = $655,590

Control Structures

Quantity of structures is from the remaining closure area downchutes. Estimated as 144 terrace inlets at $1,000 EA.
=> (144 inlets) x ($1,000/inlet) = $144,000
33 Energy dissipators, ditch bottom inlets. Estimate cost as Type C structure @ $3,500 EA
=> (33 dissipators) x ($3,500/dissipators) = $115,500

Other

Fabriform stormwater discharge pads — COMANCO cost Attachment 1
Assume 10 FT x 10 FT outside each inlet and MES — Adjusted 5% for inflation
=> 10 FT x 10 FT = 100 SF per discharge location
=> (100 SF per discharge) x (177 locations) = 17,700 SF
=> (17,700 SF) x ($36.00/SF) = $637,200

Subtotal Stormwater Control System: $542,500 + $655,590 + $259,500.05 + $637,200 = $2,094,790.05

7.) Passive Gas Control

Not applicable since an active extraction system is operational.

8.) Active Gas Extraction Control

An active gas collection system with a flare is in place for all of Stages I and III and part of Stage II.
The active system will expand with the landfill as required by Title V (40CFR Part 60).
Closure construction is assumed to include replacement/update of parts of the LFG system as itemized below.
Cost estimates based on 2020 bid for expansion of LFG system at Lena Road.

Item	Qty	Unit price	Extended Price	Comments
Landfill gas collection wells (LF)	2,212	$150	$331,800	Replace 1 well/10-AC - Avg. 70; depth
Landfill gas collection well heads	32	$900	$28,800	Estimate 32 new wells
8-inch HDPE gas collection pipe laterals	6,400	$43	$275,200	Estimate 200-feet per well
4-inch Dewatering Pipe (common trench)	6,400	$11	$70,400	Add dewatering pipe with laterals
2-inch Air Supply (Common Trench)	6,400	$3	$19,200	Add compressed air pipe with laterals
18-inch HDPE gas collection pipe headers	20,000	$60	$1,200,000	Replace header around perimeter
Replacement flare station	1	$500,000	$500,000	
Condensate Sumps with Pumps	4	$28,000	$112,000	Estimate 10% of 40 sumps
		Total =	$2,537,400	

Subtotal Active Gas Extraction Control: $2,537,400 — COMANCO quote Attachment 5

CLIENT	PROJECT	JOB NO.	
Manatee County	5-Year Permit Update	09217088.18	
SUBJECT		BY	DATE
Manatee County Lena Road Landfill Financial Assurance		MTR	9/18/2020
5-Year Permit Update		CHECKED	DATE
		SRF	3/22/2021

9.) Security System

Fencing

No additional Fencing proposed at the time of preparation of this cost estimate.

Gates

No additional Gates proposed at the time of preparation of this cost estimate.

Signs

No additional Signs proposed at the time of preparation of this cost estimate.

Subtotal Security System: $0.00

10.) Engineering

All engineering costs and services are estimated by SCS Engineers. These costs would be typical for any third party engineering consulting firm to perform these tasks. Assume each closure phase would be no more than 30 AC (286 AC total). Therefore, 10 closure phases were assumed. See Attachment 6.

Closure Plan Report - Refer to Attachment 6 for the Manpower and Fee estimates, Columns 10a + 10b.
=> ($120,036 + $6,900) = $126,945/closure phase
=> ($126,945/closure phase) x (10 closure phases) = $1,269,450

Certified Engineering Drawings - Included in the Closure Plan Report. Refer to Attachment 6 for the Manpower and Fee estimates, Column 10c.
=> ($22,485/closure phase) x (10 closure phases) = $224,850

NSPS/Title V Air Permit

NSPS/Title V Air Permit design/permitting of the new flare = $50,000

Final Survey - Refer to Attachment 6 for the Manpower and Fee estimates, Column 10e.
=> ($47,848/closure phase) x (10 closure phases) = $478,480

Certification of Closure - Refer to Attachment 6 for the Manpower and Fee estimates, Column 10f.
=> ($23,339/closure phase) x (10 closure phases)= $233,390

Other (explain) - Refer to Attachment 6 for the Manpower and Fee estimates, Column 10d.
=> ($16,839/closure phase) x (10 closure phases) = $168,390

Subtotal Engineering: $1,269,450 + $224,850 + $50,000 + $478,480 + $233,390 + $168,360 = $2,424,560

11.) Professional Services

Refer to Attachment 6 for the Manpower and Fee estimates, Column 11a and 11b.
Admin+Reimbursables:
Contract Management Admin/Clerical = (400 hrs/closure phase) x (10 closure phases) x ($54/hr) = $21,600

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	SRF	3/22/2021	

11.) Professional Services (Continued)

Admin+Reimbursables (Continued):

Contract Management
Reimbursables = ($2,018 /closure phase) x (10 closure phases) = $20,180
Total Weighted = $21,600 + $20,180 = $41,780
Total Weighted per hour = $41,780/400 hrs = $104.45

Admin+Reimbursables:
Quality Assurance
Admin/Clerical = (400 hrs/closure phase) x (10 closure phases) x ($54/hr) = $21,600
Reimbursables = ($34,030 /closure phase) x (10 closure phases) = $340,300
Total Weighted = $21,600 + $340,300 = $361,900
Total Weighted per hour = $361,900/400 hrs = $904.75
=> Total = (400 hrs x $104.45) + (400 hrs x $904.75) = $403,680

Contract Management
P.E. Supervisor = (64 hrs/closure phase) x (10 closure phases) x ($179/hr) = $114,560
On-Site Engineer = (200 hrs/closure phase) x (10 closure phases) x ($94/hr) = $296,000
Office Engineer = (40 hrs/closure phase) x (10 closure phases) x ($77/hr) = $44,000
On-Site Technician = (240 hrs/closure phase) x (10 closure phases) x ($73/hr) = $132,000

Quality Assurance
P.E. Supervisor = (16 hrs/closure phase) x (10 closure phases) x ($179/hr) = $28,640
On-Site Engineer = (100 hrs/closure phase) x (10 closure phases) x ($94/hr) = $148,000
Office Engineer = (120 hrs/closure phase) x (10 closure phases) x ($77/hr) = $132,000
On-Site Technician = (960 hrs/closure phase) x (10 closure phases) x ($73/hr) = $528,000

Quality Assurance Testing:
CQA testing is estimated at $2,000 per acre for MSW landfill closures per SCS experience.
Total CQA Testing Cost = ($2,000/acre) x (286 acres) = $572,000

Subtotal Professional Services: $2,400,080

Subtotal of 1-11: $51,091,751.01

12.) Contingency

A contingency amount of 10% of the total cost was used in the cost estimate. This value is consistent with actual contingency values used in bidding landfill construction projects.

=> ($51,091,751.01) x (10%) = $5,109,175.10

Subtotal Contingency: $5,109,175.10

Estimated Closing Cost Subtotal: $56,200,926.11

13.) Site-specific Costs

Mobilization
=> 10% of Subtotal 1-11 = ($51,091,751.01) x (10%) = $5,109,175.10

Waste Tire Facility

Estimated storage amount of 500 tons.

Using $84/ton for disposal

CLIENT	PROJECT	JOB NO.
Manatee County	5-Year Permit Update	09217088.18

SUBJECT	BY	DATE
Manatee County Lena Road Landfill Financial Assurance	MTR	9/18/2020
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	SRF	3/22/2021

13.) Site-specific Costs (Continued)

=> (500 tons) x ($84/ton) = $42,000

Special Wastes

2017 Manatee County Agreement with Clean Harbors estimates up to $400,000/year.
HHW is typically removed on a monthly basis, but required at least quarterly. Assuming an entire quarter of waste is on site and approximately 5%/year for inflation:

=> ($100,000) x (1.05^4) = $121,550.63

Subtotal Site Specific Costs: $5,272,725.73

TOTAL ESTIMATED CLOSING COSTS = $61,473,651.84

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SUBJECT		BY	DATE
Manatee County Lena Road Landfill Financial Assurance		MTR	9/18/2020
5-Year Permit Update		CHECKED	DATE
		SRF	3/22/2021

1.) Groundwater Monitoring

26 wells
Annual sampling and analytical costs = $46,398
Reporting Costs = $22,000
Total = $63,512.28

Subtotal Groundwater Monitoring: $63,512.28

2.) Surface Water Monitoring

Annual cost per location = $2,443
Semi-annual cost per location = $1,221

Subtotal Surface Water Monitoring: $4,885.56

3.) Gas Monitoring

See breakdown of annual costs in Attachment 7

Subtotal Gas Monitoring: $142,813

4.) Leachate Monitoring

See breakdown of annual costs in Attachment 7

Subtotal Leachate Monitoring: $78,207

5.) Leachate Collection/Treatment Systems Maintenance

Collection Pipes

A leachatepipe cleaning and inspection estimate was provided by Florida JetClean for 38,633 LF pipe; Attachment 8.
The total cost for services is $29,918.
Pipe cleaning and inspection wil be performed every 5 yrs
=> $29,918.48/5 years = $5,983.70/year
=> $5,983.70 per year/38,633 LF = $0.155 per FT/yr

Sumps, Traps

Not anticipated at the time of this cost estimate, flushed during pipe cleaning.

Lift Stations

Assume 4 lift stations will need duplex pumps replaced every 10 years.
Assume $20,000 per duplex pump
=> ($20,000 per duplex pump) x (4 pump stations) / (10 years) = $8,000/yr

Cleaning

Included during the pipe cleaning

Tanks

No Tanks are proposed at the time of preparation of this cost estimate.

5.) Leachate Collection/Treatment Systems Maintenance (Continued)

Impoundments

No Impoundments are proposed at the time of preparation of this cost estimate.

Liner Repair

Not anticipated at the time of this cost estimate

Sludge Removal

No Sludge Removal is proposed at the time of preparation of this cost estimate.

Aeration Systems

No Aeration Systems are proposed at the time of preparation of this cost estimate.

Floating Aerators

No Floating Aerators are proposed at the time of preparation of this cost estimate.

Spray Aerators

No Spray Aerators are proposed at the time of preparation of this cost estimate.

Disposal

Disposal estimated at 20,000 gal/AC/year. Manatee County rate is $5.03/thousand gallons.
=> 316 AC x 20,000 gal/AC/year = 6,320,000 gallons/year
=> 6,320,000 gallons/year / 1,000 x 5.03 = $31,789.60

Subtotal Site Specific Costs: $45,970.88

6.) Groundwater Monitoring Well Maintenance

Assume replacement of one well every five years at $5,000/well = $1,000/YR

7.) Gas System Maintenance

For refurbishment, assume replacement of two wells and 400 LF of associated pipe each year.
Wells: 2 well @ 70 feet deep x $150/foot = $21,000
Pipe: 400 feet x $57/foot (includes 8-inch, 4-inch and 2-inch) = $22,800

8.) Landscape Maintenance

Mowing

Unit cost is based on Orange County Contract at $106,500/year for 316 AC = $337.03/AC
Mowing area = 14,326,884 SF = 328.9 AC
$106,500/year x (328.9 AC/316 AC) = $110,849.17/year

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Manatee County Lena Road Landfill Financial Assurance		MTR	9/18/2020
5-Year Permit Update		CHECKED	DATE
		SRF	3/22/2021

8.) Landscape Maintenance (Continued)

Fertilizer

No Fertilizer is proposed at the time of preparation of this cost estimate.

Subtotal Landscape Maintenance:

9.) Erosion Control and Cover Maintenance

Sodding

Assume 1 AC of erosion wash per year
Sod quantity = (1 AC) x (43,560 SF/AC) x (1 SY/9 SF) = 4,840 SY
=> 4,840 SY x $2.70/SY = $13,068/year — COMANCO quote Attachment 2

Regrading

Assume 1 AC per year regraded = 4,840 SY
=> $1.58/SY x 4,840 SY = $7,647.20/AC — COMANCO quote Attachment 2

Liner Repair

Assume 500 SY of liner is repaired every year
=> (500 SY/year) x ($7.44/SY) — COMANCO quote Attachment 2
=> This includes geomemebrane and geocomposite = $3,720/year — SKAPS quote Attachment 3

Clay

No Clay is proposed at the time of preparation of this cost estimate.

Subtotal Erosion Control and Cover Maintenance: $24,435.20

10.) Storm Water Management System Maintenance

Assume 1,000 LF of pipe is replaced every five years or 200 LF per year
20 LF x $35/LF = $7,000/year — COMANCO quote Attachment 4

Assume 500 CY has to be excavated from ponds and ditches every year
$3.50/CY x 500 CY = $1,750/year — COMANCO quote Attachment 2
Total => $7,000 + $1,750 = $8,750

Subtotal Storm Water Management System Maintenance: $7,000 + $1,750 = $8,750

11.) Security System Maintenance

Fences

Unit cost is based on FDOT Type B Fencing with barbed wire attachment

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5-Year Permit Update	CHECKED	DATE	
	SRF	3/22/2021	

11.) Security System Maintenance (Continued)

Assume 100 LF of fence to be replaced per year
2019 Fence Cost = $19.93, adjusted to 5% inflation = $20.93/LF — Refer to Attachment 9
=> 100 LF x $20.93/LF = $2,093/year

Gates

Unit cost is based on 2019 FDOT Type B Fencing 20-24' Slide Gate — Refer to Attachment 9
=> $6,050/gate
Adjusted to 2020 for 5% inflation = $6,353/gate
Assume replace one gate every 5 years
=> $6,353/5 years = $1,270.60/year

Sign

Not anticipated at the time of this cost estimate

Subtotal Security System Maintenance: $2,093 + $1,270.60 = $3,363.60

12.) Utilities

$22,000/year from 2015 Atkins Financial Assurance Estimate adjusted 5% per year for inflation
=> $22,000 x 1.05% = $22,000

Subtotal Utilities: $22,000

13.) Leachate Collection/Treatment Systems Operation

P.E. Supervisor = 2 hours/month at $179/hour
=> (2 hours/month) x (12 months) x ($179/hour) = $4,296

On-Site Engineer - Not anticipated at the time of this cost estimate.

Office Engineer - Not anticipated at the time of this cost estimate.

On-Site Technician = Staff Professional 40 hours/month at $94/hour
=> (40 hours/month) x (12 months) x ($94/hour) = $45,120

Materials - Not anticipated at the time of this cost estimate.

Subtotal Leachate Collection/Treatment Systems Operation: $49,416

14.) Administrative

P.E. Supervisor = 1 hour/month at $179/hour
=> (1 hour/month) x (12 months) x ($179/hour) = $2,148

On-Site Engineer - Not anticipated at the time of this cost estimate.

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14.) Administrative (Continued)

Office Engineer - Not anticipated at the time of this cost estimate.

On-Site Technician = Staff Professional 40 hours/month at $94/hour
=> (40 hours/month) x (12 months) x ($94/hour) = $45,120

Other - Not anticipated at the time of this cost estimate.

Subtotal Administrative: $47,268

Subtotal of 1-14: $646,270.69

15.) Contingency

5% of estimated subtotal cost.
=> $646,270.69 x 5% = $32,315.53

16.) Site Specific Costs

No Site Specific Costs anticipated at the time of this cost estimate.

ANNUAL LONG-TERM CARE COST ($ / YEAR): $678,584.22

Number of Years of Long-Term Care: 30 years

TOTAL LONG-TERM CARE COST: $20,357,526.64

Attachment B

Cost Quotes

- Attachment 1: COMANCO Invoice 19563 June 2019 - Section 16 Landfill Zone 3 & 4 Closure
- Attachment 2: COMANCO Earthwork Estimates, August 2020
- Attachment 3: SKAPS liner/composite cost estimate with COMANCO installation estimate August 2020
- Attachment 4: COMANCO Stormwater Item Estimates, August 2020
- Attachment 5: COMANCO Landfill Gas and Mowing Estimates, August 2020
- Attachment 6: Professional Engineering Fee Estimates
- Attachment 7: Environmental Monitoring & Reporting Fee Estimates (groundwater, surface water, leachate, landfill gas)
- Attachment 8: Florida Jetclean Estimate for leachate collection pipe, August 2020
- Attachment 9: FDOT Type B Fencing and Slide Gate, 2019

Payment Appl. No. : 12
Application Date : 6/30/2019
For Period Beginning 6/1/2019
For Period Ending : 6/30/2019

ATTACHMENT 1, pg 1: COMANCO Invoice 19563 June 2019 - Section 16 Landfill Zone 3 & 4 Closure

Project Name: Desoto County Section 16 Landfill Zone 3 & 4 Closure
Project Number: 18-29-00ITB
Contractor : COMANCO Environmental

A	B	C	D	E	F	G	H	I	J	K	L
						WORK PERFORMED					
ITEM #	ITEM DESCRIPTION	CONTRACT ITEMS				PREVIOUS PERIODS		THIS PERIOD		TOTAL TO DATE	
		UNIT	QTY	$/Unit	Total Amount	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
							(G * E)		(I * E)	(G + I)	(K * E)
1	Mobilization	LS	1	$ 105,000.00	$ 105,000.00	0.8	$ 84,000.00	0	$ -	0.80	$ 84,000.00
2	Project Survey	LS	1	$ 40,000.00	$ 40,000.00	0.69	$ 27,600.00	0.075	$ 3,000.00	0.77	$ 30,600.00
3	Erosion and Sediment Control - Zone 5, Zone 3 &4	LS	1	$ 13,500.00	$ 13,500.00	0.8	$ 10,800.00	0.09	$ 1,215.00	0.89	$ 12,015.00
4	Site Clearing, Grubbing, Stripping	LS	1	$ 40,000.00	$ 40,000.00	1	$ 40,000.00	0	$ -	1.00	$ 40,000.00
5	Dewatering	LS	1.00	$ 8,500.00	$ 8,500.00	0.8	$ 6,800.00	0	$ -	0.80	$ 6,800.00
6	Zone 5 Exp - Basegrade Embankment/Stormwater S	CY	35500	$ 7.00	$ 248,500.00	35500	$ 248,500.00	0	$ -	35,500.00	$ 248,500.00
7	Zone 5 Exp - Basegrade/Stormwater Swale - OS	CY	4500	$ 12.00	$ 54,000.00	0	$ -	0	$ -	-	$ -
8	Zone 5 Exp - Grading & Compaction prior to Liner	SY	37050	$ 0.95	$ 35,197.50	37050	$ 35,197.50	0	$ -	37,050.00	$ 35,197.50
9	Partial Zones 3 & 4 Closure - Intermediate Cover - OS	CY	2600	$ 12.00	$ 31,200.00	1550	$ 18,600.00	0	$ -	1,550.00	$ 18,600.00
10	Partial 3 & 4 Closure - Grade/Compact prior to liner	SY	10780	$ 1.50	$ 16,170.00	10780	$ 16,170.00	0	$ -	10,780.00	$ 16,170.00
11	Geosynthetic Clay Liner	SF	350000	$ 0.09	$ 31,500.00	340526.08	$ 30,647.35	0	$ -	340,526.08	$ 30,647.35
12	40mil Text LLDPE Geomembrane Liner - Zone 3 & 4	SF	91500	$ 0.20	$ 18,300.00	91500	$ 18,300.00	3159.92	$ 631.98	94,659.92	$ 18,931.98
13	60mil Text HDPE Liner - Z5 Primary and Secondary	SF	700000	$ 0.11	$ 77,000.00	681052.16	$ 74,915.74	0	$ -	681,052.16	$ 74,915.74
14	Geocomposite (Secondary) Zone 5	SF	350000	$ 0.10	$ 35,000.00	340526.08	$ 34,052.61	0	$ -	340,526.08	$ 34,052.61
15	Geocomposite (Primary) Zone 5	SF	350000	$ 0.10	$ 35,000.00	340526.08	$ 34,052.61	0	$ -	340,526.08	$ 34,052.61
16	Geocomposite - Partial Zone 3 & 4 Closure	SF	91500	$ 0.20	$ 18,300.00	91500	$ 18,300.00	3159.92	$ 631.98	94,659.92	$ 18,931.98
17	Zone 5 - Protective Layer/Drainage Sand Layer - OS	CY	26000	$ 12.50	$ 325,000.00	25000	$ 312,500.00	0	$ -	25,000.00	$ 312,500.00
18	Partial Zones 3 & 4 Closure - 18" Protective Layer - OS	CY	5700	$ 15.50	$ 88,350.00	5200	$ 80,600.00	153.88	$ 2,385.14	5,353.88	$ 82,985.14
19	Partial Zones 3 & 4 Closure - 6" Topsoil Layer - OS	CY	1900	$ 10.00	$ 19,000.00	0	$ -	1784.63	$ 17,846.30	1,784.63	$ 17,846.30
20	Zone 5 Expansion - 12mil Geosynthetic Rain Tarp	SF	344000	$ 0.10	$ 34,400.00	0	$ -	0	$ -	-	$ -
21	8-inch HDPE Leachate Collection Pipe (Perf All-in)	LF	1950	$ 125.00	$ 243,750.00	1950	$ 243,750.00	0	$ -	1,950.00	$ 243,750.00
22	12-inch HDPE Leachate Collection Pipe (Perf All-in)	LF	370	$ 200.00	$ 74,000.00	370	$ 74,000.00	0	$ -	370.00	$ 74,000.00
23	8-inch HDPE Leachate Detection Pipe (Perf All-in)	LF	170	$ 65.00	$ 11,050.00	170	$ 11,050.00	0	$ -	170.00	$ 11,050.00
24	8-inch HDPE Leachate Collection Cleanouts (Solid All-in)	EA	6	$ 2,500.00	$ 15,000.00	6	$ 15,000.00	0	$ -	6.00	$ 15,000.00
25	24-inch HDPE Leachate Collection/Detection Riser (Perf)	LF	10	$ 1,750.00	$ 17,500.00	10	$ 17,500.00	0	$ -	10.00	$ 17,500.00
26	24-inch HDPE Leachate Collection/Detection Riser (Solid)	LF	180	$ 325.00	$ 58,500.00	180	$ 58,500.00	0	$ -	180.00	$ 58,500.00
27	Leachate Pump Station, Electrical Power (All-in)	LS	1	$ 210,000.00	$ 210,000.00	0.274	$ 57,540.00	0	$ -	0.27	$ 57,540.00
28	4-inch HDPE Foremain & 8-inch HDPE Containment Pipe	LF	1600	$ 58.00	$ 92,800.00	1350	$ 78,300.00	0	$ -	1,350.00	$ 78,300.00
29	Grout Existing (Abondoned) Foremain Pipe	LS	1	$ 8,000.00	$ 8,000.00	0	$ -	0	$ -	-	$ -
30	Limerock Maintenance Access Road	SY	4075	$ 15.00	$ 61,125.00	0	$ -	0	$ -	-	$ -
31	Fabric-Formed Concrete Lining	SF	250	$ 18.00	$ 4,500.00	0	$ -	250	$ 4,500.00	250.00	$ 4,500.00
32	30-inch Diameter ADS HP Downchute w/ 12-in Laterals	LF	270	$ 105.00	$ 28,350.00	0	$ -	270	$ 28,350.00	270.00	$ 28,350.00
33	6-inch Diameter ADS HP Toe Drain Pipe (Perf All-in)	LF	415	$ 48.00	$ 19,920.00	0	$ -	415	$ 19,920.00	415.00	$ 19,920.00
34	6-inch Diameter ADS HP Toe Drain Pipe (Solid All-in)	LF	130	$ 38.00	$ 4,940.00	0	$ -	130	$ 4,940.00	130.00	$ 4,940.00
35	Horizontal Landfill Gas Vent	LF	550	$ 70.00	$ 38,500.00	550	$ 38,500.00	0	$ -	550.00	$ 38,500.00
36	30-inch Diameter Bore w/ 4-inch HDPE SDR17 Casing	LF	148	$ 265.00	$ 39,220.00	147	$ 38,955.00	0	$ -	147.00	$ 38,955.00

Payment Appl. No. : 12
Application Date : 6/30/2019
For Period Beginning 6/1/2019
For Period Ending : 6/30/2019

ATTACHMENT 1, pg 2: COMANCO Invoice 19563 June 2019 - Section 16 Landfill Zone 3 & 4 Closure

Project Name: Desoto County Section 16 Landfill Zone 3 & 4 Closure
Project Number: 18-29-00ITB
Contractor : COMANCO Environmental

A	B	C	D	E	F	G	H	I	J	K	L
						WORK PERFORMED					
ITEM #	ITEM DESCRIPTION	CONTRACT ITEMS				PREVIOUS PERIODS		THIS PERIOD		TOTAL TO DATE	
		UNIT	QTY	$/Unit	Total Amount	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
							(G * E)		(I * E)	(G + I)	(K * E)
37	Sodding	SY	28960	$ 2.60	$ 75,296.00	0	$ -	14584.22	$ 37,918.97	14,584.22	$ 37,918.97
38	Sedding	SY	9680	$ 1.05	$ 10,164.00	0	$ -	0	$ -	-	$ -
39	Edge of Liner Posts - Zone 5 Expansion & Zone 3/4	EA	22	$ 125.00	$ 2,750.00	0	$ -	8	$ 1,000.00	8.00	$ 1,000.00
40	Jetclean/Video Inspect and Record Pipe (Collection/Detec)	LS	1	$ 7,500.00	$ 7,500.00	1	$ 7,500.00	0	$ -	1.00	$ 7,500.00
41	Unsuitable Soil Excavation and Disposal	CY	1500	$ 5.00	$ 7,500.00	0	$ -	0	$ -	-	$ -
42	30-inch Diameter Bore Refusal	LF	15	$ 50.00	$ 750.00	15	$ 750.00	0	$ -	15.00	$ 750.00
43	CO#2 - Waste Relocation	CY	425	$ 15.00	$ 6,375.00	425	$ 6,375.00	0	$ -	425.00	$ 6,375.00
44	CO#4 - Fill Import/Excavation	CY	72	$ 78.00	$ 5,616.00	72	$ 5,616.00	0	$ -	72.00	$ 5,616.00
45	CO#4 - F/I 4" SDR11 HDPE Perf Pipe	LF	120	$ 24.00	$ 2,880.00	120	$ 2,880.00	0	$ -	120.00	$ 2,880.00
46	CO#4 - F/I 1ft x 1ft Granite Wrap	LF	120	$ 13.50	$ 1,620.00	120	$ 1,620.00	0	$ -	120.00	$ 1,620.00
47	CO#4 - Install 60mil HDPE Flap	SF	600	$ 3.60	$ 2,160.00	600	$ 2,160.00	0	$ -	600.00	$ 2,160.00
48	CO#4 - Install Composite Flap	SF	600	$ 3.50	$ 2,100.00	600	$ 2,100.00	0	$ -	600.00	$ 2,100.00
				TOTAL AMOUNT :	$ 2,325,783.50		$ 1,753,131.80		$ 122,339.38		$ 1,875,471.18

Notes:

Attachment 2

RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install - Message (HTML)

File | Message | Acrobat | Tell me what you want to do...

Delete | Reply | Reply All | Forward | File in Project | magazines etc | To Manager | Team Email | Move | Mark Unread | Categorize | Follow Up | Translate | Zoom | Send to OneNote

Delete | Respond | Newforma | Quick Steps | Move | Tags | Editing | Zoom | OneNote

Thu 8/13/2020 2:31 PM

John Jacobs <JJacobs@comanco.com>

RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

To Radford, Mike; David Scherbaty

Cc Daniel McRae

You replied to this message on 8/13/2020 3:03 PM.

Cc: Daniel McRae <dmcrae@comanco.com>; John Jacobs <JJacobs@comanco.com>
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

Just to follow up, here are some estimated quantities I have:

Final 2D closure surface area over Closure = 6,211,713 SF

Factor for 3:1 sideslopes, soil loss, bulking = 1.15, thus 3D area is 7,143,469.95 SF

- 6-in Excavation/unsuitable fill = 132,286 cy - If excavated and disposed of onsite, $3.50 per CY
- 18-in protective layer = 396,859 cy – Assuming that this is for supply (imported) and placement, $20.00 per CY
- 6-in topsoil = 132,286 cy – Assuming that this is for supply (import) and placement, $25.00 per CY
- 12-in Placement and spreading = 264,573 cy – Assuming that this will be the 12" intermediate cover over waste below the liner, $18.00 per CY
- compaction = 264,573 cy - Fine grading/compaction for intermediate cover prior to liner installation, 7,143,670 sf x $0.15/sf = $107,154/264,573 = $0.405 per CY
- sod = 793,719 sy – Supplied and installed for $2.70 per SY

Thanks,

Radford, Mike

From: John Jacobs <JJacobs@comanco.com>
Sent: Friday, September 18, 2020 2:18 PM
To: Radford, Mike; David Scherbaty
Cc: Daniel McRae
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon, Mike:

Yes, I think that $18 would get grading layer material purchased, delivered, and placed for most applications. Typically, Contractors are paid for in-place units on such work, so I was thinking that this would be a decent budget price for the supply and placement of the material measured as in-place cubic yards, depending on the site conditions.

Thanks,

COMANCO
SAFETY • QUALITY • SERVICE

John Jacobs **| Vice President**
COMANCO
4301 Sterling Commerce Dr | Plant City, FL 33566
Office: 813-988-8829 | Fax: 813-988-8779 | Cell: 813-714-2253
E-mail: jjacobs@comanco.com | web: www.comanco.com

From: Radford, Mike <MRadford@scsengineers.com>
Sent: Friday, September 18, 2020 10:49 AM
To: John Jacobs <JJacobs@comanco.com>; David Scherbaty <dscherbaty@comanco.com>
Cc: Daniel McRae <dmcrae@comanco.com>
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

Hi John,

I just talked to Johnny Edwards who said he talked to you. He had said that the $18/CY cost includes delivery, placement and spreading. From this, I planned to adjust my estimate to the attached red lines edits. Can you confirm this?

Also, please confirm that the unit cost is for loose cubic yard prices – not in place.

Thanks,

Attachment 3

REVISED: Engineer's Budget Estimate - Manatee County Lena Road LF;...

File | Message | Acrobat | Tell me what you want to do...

Delete | Reply | Reply All | Forward | File in Project | magazines etc | To Manager | Team Email | Move | Mark Unread | Categorize | Follow Up | Editing | Zoom | Send to OneNote

Tue 7/28/2020 2:54 PM

Rod Kirch <rod.kirch@skaps.com>

REVISED: Engineer's Budget Estimate - Manatee County Lena Road LF; Bradenton, FL

To Radford, Mike

Cc Nilay Patel

Lena Rd final cover surfaces-2020 design.dwg
5 MB

closure requirement Pages from Application for Operation Permit Renewal_Lena Road Class I Landfill_Oct 2015.pdf
38 KB

LLDPE 40 Smooth.pdf

Mike,

Please find the following revised engineer's budget estimate.

Note:

- The revision contains budget prices for smooth liner
- The cost of bulk PE resin will increase 1 August 2020, so the prices below on previously quote products have increased
- I have added 8% to the estimated quantities (12,458,160 SF = 286 acres) to account for field "Lap & Scrap".
- Without specific transmissivity data, I am assuming a standard 200 mil thick geonet / 2-sided 8 oz/SY non-woven geocomposite

40-mil Average/G-spec, Smooth, LLDPE
- 23.5 x 830' = 19,505 SF
- 3,744,960 SF / 192 Rolls = 16 Flatbed Loads
- **$0.1555 SF ex-works Commerce, GA**
- $580,341.28 Total sans Freight

40-mil G-spec, 2-side Textured, LLDPE
- 23.5 x 720' = 16,920 SF per Roll
- 2,977,920 SF / 176 Rolls = 14.67 Flatbed Loads
- **$0.1792 SF ex-works Commerce, GA**
- $533,643.27 Total sans Freight

TN 220-2-8 Geocomposite
- 14.5 x 230' = 3,335 SF per Roll
- 13,453,390 SF / 4,034 Rolls = 149.41 Flatbed Loads
- **$0.3350 SF ex-works Commerce, GA**
- $4,506,885.65 Total sans Freight

Flatbed Freight
- Commerce, GA to Bradenton, FL 34211
- **181 Loads @ $ 1,400.00 each = $253,400.00**

Estimated Project Total = $5,874,270.20

Radford, Mike

From:	David Scherbaty <dscherbaty@comanco.com>
Sent:	Wednesday, August 12, 2020 8:37 AM
To:	Radford, Mike
Cc:	Daniel McRae; John Jacobs
Subject:	Cost Estimator for Landfill Closure Project - Lena Rd. - Install

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mike,

Dan forwarded me your email in regards to a few budgetary installation numbers on a future closure project at the Lena Rd. Landfill in Manatee County. Please find below installation only pricing based on the two products SKAPS quoted and the quantities you provided. Please note that the pricing you were provided by SKAPS is a direct price and if it goes through a contractor during the bid process those prices will go up due to markup and indirect/management costs.

Install 40-Mil LLDPE - ~6,211,713 SF - $.15 per SF
Install Geocomposite - ~6,211,713 SF - $.16 per SF
*If needed. Tie-in to Existing - $6.00 per LF

Please let me know if you need anything else.

Thanks,
David

COMANCO
SAFETY • QUALITY • SERVICE

David Scherbaty | Vice President of Sales
4301 Sterling Commerce Drive | Plant City, FL 33566
Office: 813-988-8829 | Cell: 813-323-3584
E-mail: dscherbaty@comanco.com | web: www.comanco.com

Attachment 4

Reply Reply All Forward

Thu 8/27/2020 11:11 AM

John Jacobs <JJacobs@comanco.com>

RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

To Radford, Mike

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Mike:

Below are budgetary prices in red…

From: Radford, Mike <MRadford@scsengineers.com>
Sent: Thursday, August 27, 2020 11:04 AM
To: John Jacobs <JJacobs@comanco.com>
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

Hi John,

Could I get prices for the following stormwater items:

- 500 LF 18-inch HDPE pipe for downcomers $35.00 per LF
- 50 Type C inlets for terraces/downcomers $3,500 each
- 20 Mitered End Sections/U-endwalls $2,750 each

Thanks,

Radford, Mike

From: John Jacobs <JJacobs@comanco.com>
Sent: Thursday, September 3, 2020 5:00 PM
To: Radford, Mike
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Mike,

For the 36" HDPE downcomer pipe, I am assuming that you all would use an ADS N-12 type pipe. The budgetary cost for that would be $55 per LF. For the ditching, figure about $12.00 per LF.

John

COMANCO
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John Jacobs | Vice President
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E-mail: jjacobs@comanco.com | web: www.comanco.com

Attachment 5

Radford, Mike

From: Scotty Martone <smartone@comanco.com>
Sent: Friday, August 28, 2020 11:44 AM
To: Radford, Mike
Subject: FW: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning, Mike:

Below are budgetary prices in red...

From: Radford, Mike <MRadford@scsengineers.com>
Sent: Friday, August 28, 2020 9:10 AM
To: John Jacobs <JJacobs@comanco.com>
Subject: RE: Cost Estimator for Landfill Closure Project - Lena Rd. - Install

Hi John,

Can you also provide budgetary prices for:

- 15,075 LF of Landfill gas collection wells $135.00 per VF
  284 landfill gas collection well heads $1,200.00 per EA
- 43,400 LF 8-inch HDPE gas collection pipe laterals $40.00 per LF
  7,700 LF 18-inch HDPE gas collection pipe headers $75.00 per LF
- 7 condensate pipe tie-ins to manholes with drip leg $5,000.00 per LF
  Landscape maintenance (Mowing) per acre per year, mowed twice quarterly (8 times per year) $500.00 per ACRE

Thanks,

Mike Radford, P.E.
SCS Engineers
Orlando, FL
(407) 204-3235 (W)
(407) 748-2616 (C)
mradford@scsengineers.com

Attachment 6

ATTACHMENT 7
MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE
MANATEE COUNTY - LENA ROAD LANDFILL
ESTIMATE FOR EVERY 30 AC OF CLOSURE
FY20

Task Key

10 a - Closure Plan Report **10 d - Bidding** **11 a - Contract Management**
10 b - FDEP Coordination **10 e - Final Survey** **11 b - CQA**
10 c - Certified Engineering Drawings **10 f - Certification of Closure**

	Engineering						Professional Services		Total	Rate	Total
Personnel	**10 a**	**10 b**	**10 c**	**10 d**	**10 e**	**10 f**	**11 a**	**11 b**	**(hours)**	**($)**	**($)**
Office Director						8			8	182	1,456
Project Director	30	16	4	16			64	16	146	179	26,134
Project Manager	200	16	16	40		40	200	100	612	148	90,576
Senior Project Professional I	200	8	16	24		80			328	129	42,312
Project Professional I	180		60	24			40	120	424	110	46,640
Staff Professional I	180		16						196	94	18,424
Associate Staff Professional					24				24	77	1,848
Designer/Drafter	180		80	8		16			284	73	20,732
Drafter	80		30			24			134	55	7,370
Senior Technician 2				16		40	240	960	1,256	55	69,080
Administration/Clerical	40	2	8	8		8	40	40	146	54	7,884
Subtotal Labor (hours)	1,060	26	40	120	24	136	520	1,100	3,558		
Subtotal Labor ($)	117,190	6,372	21,174	16,416	1,848	22,816	60,816	85,824			332,456
Reimbursables (See Table 2)	2,475	467	1,140	365	40,000	455	1,755	29,591			76,248
G&A, 15 percent reimbursables	371	70	171	55	6,000	68	263	4,439			11,437
Total reimbursables	2,846	537	1,311	420	46,000	523	2,018	34,030			87,685
Subtotal, Fee Estimate	**120,036**	**6,909**	**22,485**	**16,836**	**47,848**	**23,339**	**62,834**	**119,854**			**420,141**

Closure Plan Report		**Construction Costs**	
Total =	**126,945**	Total =	**270,711**
		Total 10a,b,c,d,e **237,453**	Total 11a&11b **182,688**

ATTACHMENT 7
MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE
MANATEE COUNTY - LENA ROAD LANDFILL
ESTIMATE FOR EVERY 30 AC OF CLOSURE

REIMBURSABLES ESTIMATE (Task Amounts)

Task Key

10 a - Closure Plan Report	**10 d - Bidding**	**11 a - Contract Management**	Reimbursable
10 b - FDEP Coordination	**10 e - Final Survey**	**11 b - CQA**	Total = 76,249
10 c - Certified Drawings	**10 f - Construction Certification**		

Reimbursable	Unit Cost ($)	Unit	10 a	10 b	10 c	10 d	10 e	10 f	11 a	11 b		Total Units	Total ($)
Subconsultants, Topographic survey	1	LS					40,000					40,000	40,000
Subcontractors/Drillers	1	LS										0	0
Laboratory Services	1	EA								14,000		14,000	14,000
Vehicle Mileage (Auto)	0.51	MI	30	30		30		30				120	61
Vehicle Mileage (Truck)	75	DA										0	0
Company Vehicle	55	DA	2	2		1		1	10	10		26	1,430
Truck	55	DA				1				96		97	5,335
Parking & Tolls	1	LS										0	0
Meals	36	DA								96		96	3,456
Lodging, Hotel	55	DA								96		96	5,280
Telephone Calls	5	EA	35	10		5		5	50	75		180	900
Faxes	6	PG	20	7		5		5	25	25		87	522
Postage & Freight	10	LS	25	5		5		5	50	50		140	1,400
Reproduction (Xerox)	0.1	EA	1,550	500	500	200		500	1,550			4,800	480
Reproduction (Graphics) CADD	3	EA	250	50	180	25		50	50			605	1,815
Computer (CADD)	5	HR	180		110	8	0	16	0	0		314	1,570

Attachment 7

2019 - 2020 Annual Cost for Surface Water Sampling, Groundwater Sampling, and Leachate Sampling

Attachment 1
Scope of Services
Environmental Monitoring and Reporting of the Lena Road and Erie Road Landfills
October 1, 2019 Through September 30, 2020

SCS ENGINEERS

090390219 | October **2019**

3922 Coconut Palm Drive
Suite 102
Tampa, FL 33619
813-621-0080

Erie Rd Landfill not needed for Lena Rd Landfill Financial Assurance

1 DESCRIPTION

Manatee County (County) has a goal of maintaining compliance with Florida Department of Environmental Protection (FDEP) solid waste rules and solid waste and air permit conditions at the active Lena Road Landfill and closed Erie Road Landfill by conducting environmental compliance monitoring and reporting.

The Lena Road Landfill is a slurry wall landfill requiring monthly monitoring of the hydraulic gradient across the slurry wall. There are 25 groundwater-monitoring wells and 25 piezometers located along the perimeter of the slurry wall system. The groundwater monitoring wells are located outside the slurry wall to monitor the surficial groundwater aquifer. The piezometers are located inside the slurry wall system to monitor the leachate level in the landfill and determine the gradient direction across the slurry wall. ~~The Erie Road Landfill is a closed landfill located in Palmetto that is currently in long-term care.~~

The County is required to monitor and report monthly, quarterly and semi-annually for various environmental and operational components at Lena Road and Erie Road Landfills. This includes groundwater, landfill gas, site life, and other attributes related to the solid waste and air permits. There are thirteen gas monitoring probes at the Lena Road Landfill. In addition to the probes, the landfill gas surface emissions from the Lena Road Landfill must be monitored and reported quarterly.

The Lena Road Landfill has an active gas collection system consisting of gas extraction wells, a flare station, and a generator producing electricity. The County is required to inspect, read and adjust the gas extraction wells monthly as the landfill decomposes waste.

SCS will provide professional services for the management of the Lena Road ~~and Erie Road~~ Landfills environmental compliance programs for a period that will commence on October 1, 2019 and terminate on September 30, 2020 for the following tasks.

- Groundwater Support Services
- Landfill Support Services
- Landfill Gas Support Services
- Miscellaneous Services

The following details the services SCS will provide to the County to maintain compliance with their permits. SCS will provide County staff one copy of draft reports for review and comment in electronic format. Upon receipt of comments from the County, SCS will finalize the reports and submit one final hard copy the County and an electronic copy to the County and FDEP

2 SCOPE OF SERVICES

TASK 1 – GROUNDWATER SUPPORT SERVICES

1.1 Water Quality Monitoring Data Review and Reporting

The semi-annual water quality monitoring (WQM) data will be provided by the County's contracted laboratory for Lena Road ~~and Erie Road Landfills~~. SCS will review the data for errors, consistency,

and exceedances of WQM standards. SCS will prepare the transmittal documentation for submittal to FDEP. A draft copy of this information will be provided to the County for review. SCS will upload the data from the laboratory to the FDEP's Automated Data Processing Tool (ADaPT).

~~SCS recently proposed change to the monitoring program at Erie Road Landfill; we anticipate comments from FDEP regarding the proposed changes. This budget includes a line item to address these anticipated comments through a response to comments/meeting/or minor permit mod.~~

1.2 Landfill Groundwater Contour Mapping

SCS will also prepare the semi-annual groundwater contours maps for the Lena Road and Erie Road Landfills. Manatee County will provide the water elevations at the time the wells are sampled. SCS will use these groundwater elevations to develop a ground water contour map for each landfill. The maps will be submitted to the County as part of the semi-annual WQM reports.

Milestones

- Draft WQM Report within 30 days of receipt of laboratory electronic data deliverable
- FDEP Submittal of WQM Report within 10 days of receipt of comments from County.

Deliverables

This 1.3 task is done every 5 years. The hours breakdown is weighted to every 5 years from original contract.

- Draft WQM Report (2nd 2019 Semiannual)
- FDEP Submittal of WQM Report (2nd 2019 Semiannual)
- Draft WQM Report (1st 2020 Semi-annual)
- FDEP Submittal of WQM Report (1st 2020Semiannual)

1.3 Technical Water Quality Monitoring Plan for the Lena Road Landfill

The Technical Report is due to FDEP no later than July 15, 2020. SCS will evaluate the water quality data for Lena Road Landfill and prepare the Report as required by Rule 62-701.510 F.A.C. The evaluation will include the previous two and one half years of water quality data. The Report will include the following:

- Statistical analysis of the data by trend analysis.
- Evaluation of groundwater gradient and flow conditions.
- Comparisons between up gradient and down gradient wells.
- Correlations between related parameters.
- Groundwater elevation contour maps and hydrographs.
- Evaluation of the adequacy of the water quality monitoring frequency and sampling locations, and performance of the cover and liner based on the site conditions.

The Report will cover data generated over a two year period to include the first sampling event of 2018 through the first sampling event of 2020. A draft copy of the Report will be sent to the County staff for review and comment. SCS will meet with the County staff to discuss the report and the findings. Upon receipt of County comments, SCS will finalize the report and submit one copy to FDEP, and one final copy to the County.

Milestones

- FDEP Submittal by July 15, 2020

Deliverables

- Draft report by July 1, 2020
- Final report by July 15, 2020

TASK 2 – LANDFILL SUPPORT SERVICES

2.1 Landfill Leachate/Groundwater Gradient Report

A slurry wall containment system is in place at the Lena Road Landfill to isolate the surficial groundwater aquifer from solid waste placed in the landfill along its perimeter. The objective of the system is to maintain the leachate elevation inside the slurry wall at a lower elevation than the groundwater level outside the slurry wall, inducing an inward gradient. A series of piezometers and monitoring well pairs (25) located inside and outside of the slurry wall are utilized to monitor this gradient.

Each month, the leachate level in the 25 piezometers and groundwater level in the 25 monitoring wells will be measured by SCS to an accuracy of 0.01 feet and recorded. SCS will review and evaluate the data to determine the status of the groundwater gradient across the slurry wall. SCS will present the data and indicate the direction of gradient flow for each monitoring well and piezometer pair in a letter report. SCS will make recommendations to the County based on the results of the field data evaluation and observations.

Milestones

- Compliance field monitoring events – Monthly prior to the last day of the month
- Draft submittal – 10th day of the following month from sampling
- FDEP submittal – 15th day of the following month from sampling

Deliverable

- Draft monthly report
- FDEP submittal of final monthly report

~~2.2 Lena Road Landfill Estimate of Remaining Life~~

this will go away after closure

~~Manatee County needs an annual aerial survey and topographic map of the Lena Road Landfill in order to estimate the landfill volume consumed and revise the remaining landfill life estimate. This estimate must be submitted annually to FDEP. SCS will subcontract the aerial survey and confirm it will be completed in the same general time frame as the past events.~~

~~Based on the information provided by our subconsultants, SCS will calculate the landfill volume consumed during the reporting period, the landfill volume remaining, and estimate the remaining landfill life. SCS will provide one draft copy of the volume report for County's review and coordinate a meeting with County staff to discuss the report. Based on the comments from that meeting, SCS will~~

send a copy of the aerial photograph, topographic map, and remaining landfill life calculations to FDEP.

this will go away after closure

Milestones

- Receipt of annual tonnages from County - February 15, 2020
- Receipt of aerial survey and topographic map - March 1, 2020
- Draft submittal of report to County - March 15, 2020
- FDEP submittal - April 15, 2020
- FDEP Due Date - May 1, 2020

Deliverable

- Draft copy of remaining landfill life calculations
- FDEP submittal of remaining landfill life calculations

2.3 Annual Financial Assurance Update

SCS will conduct the annual financial assurance update using annual adjustments for inflation in accordance with the requirements of Rule 62-701.630(3) and (4), FAC.

Milestones

- Draft Annual Financial Assurance Update - January 2020
- Final Annual Financial Assurance Update - February 2020
- FDEP Due Date - March 1, 2020

Deliverable

- Draft Annual Financial Assurance Update - January 2020
- Final Annual Financial Assurance Update - February 2020

2.4 Lena Road Landfill Environmental Resource Permits (ERP #41-0224996-001, ERP #41-0224996-002, ERP #41-0224996-003, and 41-0177559011) Inspections

Permit No. 41-0224996-001 was issued on February 25, 2005 for the modification of the existing stormwater management system and is operational. Permit No. 41-0224996-002 was issued on April 17, 2013 for the construction of a restroom and associated stormwater management system and is operational. Permit No. 41-0224996-003 was issued on October 9, 2014 for the construction of an office building and associated stormwater management system and is operational. Permit No. 41-0177559-011-EI was approved for operation on April, 24, 2017 for the Stage II Stormwater Improvements.

In accordance with the ERP's for the Lena Road Landfill - Class I solid waste facility, SCS will conduct a site visit to evaluate the surface water management system. During the site visit a Qualified Storm water Management Inspector will perform a thorough observation of facility inlets, swales, outfalls, and other storm water features. The inspector will document existing facility conditions and we will prepare and submit to FDEP the required inspection report for the separate ERPs in one with a copy

to Manatee County, signed and sealed by a registered Professional Engineer in the State of Florida. SCS will verbally inform the County of the inspection observations prior to submittal of the inspection report to the FDEP.

Milestones

- Inspection – February 2020
- Draft inspection report – March 2020
- Final inspection report submittal – April 2020

Deliverable

- Draft inspection report – March 2020
- Final inspection report – April 2020

TASK 3 – LANDFILL GAS SUPPORT SERVICES

3.1 Landfill Gas (LFG) Collection System Monitoring

SCS will conduct routine monitoring and adjustment of the wellfield to comply with requirements of Title 40 Code of Federal Regulations Part 60, Subpart WWW (NSPS). Our staff will coordinate with County staff prior to and upon completion of routine monitoring events.

Routine GCCS Operations, Monitoring and Maintenance (OM&M) services will be performed at each landfill gas (LFG) extraction well. During these services, SCS will document the following operational data (as appropriate) for each well:

- Static pressure
- Differential pressure
- LFG flow
- LFG composition (i.e., methane (CH_4), carbon dioxide (CO_2), oxygen (O_2), balance gas)
- LFG temperature
- Wellhead condition

During wellhead monitoring, the technician will listen for leaks. Minor leaks identified during the monitoring will be repaired at the time of discovery. Leaks that cannot be fully repaired (e.g., those requiring replacement parts) will be temporarily mitigated in the field (if possible). Permanent repairs will be performed as "non-routine scheduled services" in accordance with the provisions, specified below.

During our monthly visits, SCS technicians will also visit the flare station and perform monthly inspections of the flare. This will include inspecting the blowers, flame arrestor, knock out pot, propane tanks, data records, and other appurtenances associated with the control device. We will make minor repairs and adjustments as necessary with major items to be performed as "non-routine scheduled services" in accordance with the provisions, specified below. SCS will provide feedback to the site personnel if an issue is discovered during these inspections prior to leaving the site. For routine GCCS OM&M services, SCS will provide a comprehensive data review of the collected data and submit a letter report to Manatee County each month following the month for which wellfield monitoring services were provided.

This report will include the following information:

- Monitoring data collected at individual LFG extraction wells:
  - Methane Concentration
  - Carbon Dioxide Concentration
  - Oxygen Concentration
  - Well vacuum
  - System vacuum
- Pump stoke counter data, if applicable
- Orifice Plate size, if applicable
- Cover integrity issues (if any).
- Flare Station operational conditions.
- Summary of non-routine maintenance services performed.
- Recommendations of additional non-routine maintenance or repairs needed (if any).
- Recommendations of enhancements to improve collection system operations and performance (if any).

In advance of submitting the above-described report SCS will communicate with the County items that need immediate attention.

SCS will discuss items that need to be addressed from the monthly report with the County in the monthly meeting. SCS will also make any suggested improvements and go over needed maintenance needed for the GCCS to operate optimally.

SCS will complete maintenance and repair activities beyond the ability of Manatee County as specifically authorized under Task 4 – Miscellaneous Services.

Milestones

- Monthly Landfill gas monitoring and rechecks by the 20th of each month

Deliverables

- Monthly landfill gas monitoring report by the 15th of month following monitoring.

3.2 Landfill Gas Perimeter Probe Monitoring (Quarterly)

Once each quarter SCS will perform monitoring of the sites perimeter methane monitoring probes. Any methane detected in excess of 100% LEL (5% methane) will be reported to Manatee County immediately following the monitoring event. Once each quarter SCS will perform building monitoring of the sites occupied structures. Any methane detected will be reported to Manatee County immediately following the monitoring event.

SCS will measure and record the landfill gas levels in 13 soil probes and five buildings at Lena Road Landfill. The readings will be summarized and submitted to the County in a Draft Report and then finalized and submitted to FDEP in the quarterly report by SCS.

Milestones

- Quarterly perimeter probe monitoring by the 15th of the second month of the quarter

Deliverables

- Draft Quarterly report by last day of the quarter.
- FDEP submittal of Quarterly reports by the 15th of the month following the quarter

3.3 Lena Road Landfill Gas Surface Emissions Monitoring and Reporting (Quarterly)

Once each quarter, SCS will perform surface emissions monitoring (SEM) per §60.755(c) and §60.756(f) of the NSPS. When possible, monitoring will be scheduled in conjunction with site activities such that 15-day rechecks of the wellfield (if required) can be addressed on the same day as the initially scheduled monitoring.

Surface emissions monitoring will include:

- Testing surface emissions at 30 meter intervals along the monitoring path using an organic vapor analyzer per EPA Method 21 as modified for methane;
- Marking and recording areas which exceed 500 ppm emissions;
- Recording and reporting of data collected; and
- Recommending corrective actions to remediate exceedances.

Actions to remediate exceedance areas could involve such activities as gas well vacuum adjustments, header line flow/vacuum adjustments, cover maintenance, or the installation of additional collection devices.

SCS will prepare a written report for each monitoring event. Each written report will include a description of activities conducted during the monitoring event, discussion of the data collected, review of compliance timelines with respect to exceedances, tables summarizing the field data, figures (SEM only), and our recommendations based on our evaluation of the data.

SCS will discuss the report with the County in the appropriate monthly meeting to review findings and discuss any issues or concerns.

Milestones

- Quarterly surface emission monitoring by the 15th of the second month of the quarter
- System adjustments and recommendations as required

Deliverables

- Draft copy of Quarterly report by last day of the quarter.
- Submittal of Quarterly reports to the County by the 15th of the month following the quarter

3.4 Landfill Title V Permit Reporting

3.4.1 Semiannual Reports

The semiannual NSPS reports are required under 40 CFR 60.757(f), and will include the information listed below. This Task is for the completion of the 2019 Second and 2020 First Semiannual reports and will include the following:

- Value and length of time for exceedances of applicable monitoring parameters.
- Description and duration of the periods when the control device was not operating for a period exceeding one hour and the length of time the control device was not operating.
- List of periods when the collection system was not operating in excess of five days.
- Description and duration of periods when the gas stream was diverted from the control device through a bypass line.
- The location of each exceedance of the 500 parts per million (ppm) surface emission criteria.
- If the landfill gas collection system is expanded, a diagram of the collection system showing the wells and collectors, including the areas excluded from collection and the areas into which the system will be expanded in the future.

Wellhead Monitoring Data

Exceedances of the regulatory criteria for wellhead pressure, oxygen concentration, and wellhead temperature will be listed and explained, if necessary. This portion of the report will be based on the monthly landfill gas collection and control system (GCCS) monitoring that is performed by SCS.

Control Device Operation

SCS will examine records of flare, sludge dryer, engine plant, and sludge loadout station and baghouse operations and summarize downtime for each device and the collection and control system per 40 CFR 60.757(f)(3) and (4). In the report, SCS will state that the controls systems are not configured to allow diversion of the gas stream from the flare or other control devices. We will also review site records to confirm that there were no occasions when the flare was offline while the blowers were in operation. Operational downtimes will be calculated for each device and reported as required.

Report Submittal

SCS will provide one draft copy of the NSPS/SSM report for County's review and coordinate a meeting with County staff to discuss the report. Upon receipt of your comments, SCS will submit the NSPS semi-annual reports on behalf of the County to FDEP and provide a hard copy and an electronic copy for the County's records. The reports will be signed and sealed by a Florida Professional Engineer.

Milestones

- Draft copy of Semiannual report 10 days prior to due date

- FDEP submittal of Semiannual reports prior to January 30, 2020 & July 30, 2020 as required. (Note: May move to March 1, 2020 and August 29, 2020 if the new permit is approved)

Deliverables

- Semiannual Reports

3.4.2 Annual Operating Reports

The Title V Annual Operating Report (AOR) calculates the annual emissions of criteria air pollutants. For the AOR, SCS will obtain from Manatee County information relevant to the operation of the emission units listed in the Title V permit. Air emission factors will be obtained from past reports or the U.S. Environmental Protection Agency's Compilation of Air Pollutant Emission Factors, commonly known as AP-42. Using this information, SCS will calculate the estimated emissions from the permitted emission units and supply this information in the required report form. The information will be entered into the Florida Department of Environmental Protection (FDEP) Electronic Annual Operating Report (EAOR) software program. SCS will submit the EAOR electronically for County's signature and submittal to FDEP.

3.4.3 Annual Emission Estimate and Fee

Based on the site operations data and the Title V requirements, SCS will review the emissions fee estimate generated by the EAOR software for accuracy.

SCS will submit a draft annual emission fee statement for County review via e-mail. Upon receipt of County comments, SCS will finalize the statement and submit it electronically for County's signature. SCS will submit emission form and fee to FDEP on behalf of the County and pay the emissions fee.

3.4.4 Annual Statement of Compliance

SCS will review the site's Title V permit and prepare a statement of compliance that documents the compliance status for the various permit conditions. We will prepare this report based on our knowledge of site operations, discussions with County personnel, and a review of records that we will request from County that we do not already possess. SCS will review the operational data and provide a summary of deviations, if any, from the applicable requirements and summarize steps that were or will be taken to regain compliance. Upon receipt of County comments, SCS will finalize the statement for County's signature and then SCS will submit to FDEP and U.S. EPA Region 4 on behalf of the County.

3.4.5 2019 Greenhouse Gas Reporting

SCS will prepare and submit the greenhouse gas (GHG) annual report on EPA's e-GRRT on-line system in accordance with 40 CFR 90 Subpart 98. SCS will calculate the GHG being generated from the landfill for the 2019 calendar year using data provided by County and EPA calculation methods. SCS anticipates the data to include:

- Waste accepted during 2019 and how data was collected (assuming scale records);
- Anticipated closure year;

- Overall design capacity;
- Surface area of the landfill containing waste; and
- Landfill cover type (soil, geosynthetic, etc.).

SCS will review data received from County in response to the data request and follow up via email and/or phone with any additional data requests or clarifying questions, as necessary. Upon receipt of all the data, SCS will review the data for completeness and prepare the appropriate forms on-line. After SCS has submitted the forms to County for review, SCS staff will be available to discuss the forms and how they were assembled via conference call. Upon agreement that all data is accurate and correct, SCS will upload the data to the EPA's e-GGRT website and submit the required data on behalf of the County as the County authorized representative.

3.5 Lena Road Landfill Gas Annual Testing and Reporting

The annual monitoring and reporting that is required between October 1, 2019 and September 30, 2020 (Note: Deadline moves to December 31, 2020 if new permit is approved) consists of the following:

3.5.1 Title V Visual Emissions (VE) Testing

Per Condition B.12 and Condition D.11 of the facility's Title V permit during each federal fiscal year (October 1st to September 30th), each EU shall be tested to demonstrate compliance with the emissions standards for opacity. [Rule 62-297.310(7), F.A.C]. SCS will be responsible to hire a qualified air testing consultant to conduct the annual VE test for the flare, sludge dryer, pellet handling system bag house per the Title V Air Operations Permit.

SCS will provide notice of testing as required 15 days prior to testing and final test report for submittal to FDEP within 45 days of testing.

3.5.2 LFG-Fired Engine Generator Set – Annual Compliance Test

Per Condition E.16 of the facility's Title V permit Every 8,760 engine hours or at least once every three years, whichever comes first, the landfill gas engine shall be tested to demonstrate compliance with the applicable emissions standards for CO, NOX and VOC.

SCS will subcontract with a compliance testing company to perform this work and oversee them while on site then prepare a letter to submit the results to FDEP within 45 days of testing.

Milestones

- Sludge Dryer VE Test by September 30
- Bag House VE Test by September 30
- LFGE Testing prior to 8,760 operating hours from last test

Deliverables

- Draft copies of report to County within 30 days following test
- Final submittals to County and FDEP/EPA within permitted timeframes

3.5.3 LFG – Mandatory Reporting to Energy Information Administration for Lena Road Class I Landfill

SCS will support the County in completing Form 923. SCS will utilize information readily available from our energy group and will work with County staff to complete the balance of the form. SCS will discuss issues with the United States Energy Information Administration (EIA) support staff regarding items associated with Form 923. SCS will visit with County staff both at the landfill and at the County administration building as necessary to complete Form 923. A draft copy of the Form 923 will be presented to the County for review prior to upload to the EIA

3.6 Extraction Well Liquid Level Measurements

Once per year SCS will visit each landfill gas collection well to evaluate the condition of the pneumatic pump if applicable and measure the liquid level in the well. At a minimum, the following will be measured:

- Top of well casing to ground surface;
- Top of well casing to top of liquid (if applicable);
- Top of well casing to bottom of well.

SCS will compile the collected liquid level data and prepare a report that includes graphical representations to indicate the amount of perforations that have been silted in, the amount watered in, the amount available for gas extraction, and water level trends in each well. SCS will evaluate current data and compare it to prior year's date and present to the County in conjunction with the pump counter data any recommended changes for the operation of each well as part of this report.

Deliverables

- Draft copies of Liquid level report to County within 30 days following data collection
- Final Report following County review and discussion at monthly meeting

TASK 4 – ADDITIONAL ENVIRONMENTAL SERVICES (IF REQUIRED)

This task is for additional environmental services, not specified in the other tasks that may be required as a result of State and federal requirements. This task is to assist County staff with general activities associated Manatee County's Solid Waste System. Additional services could include special studies, permit modifications responding to requests from State and federal agencies or any other work required to maintain the landfill environmental permits. Storm water engineering services, surveying and studying of future filling areas, correspondence with regulatory agencies, and certifications are anticipated and included in the task.

The purpose of this task is to provide County Staff the flexibility of assigning work activities that were not included in the above tasks and to provide a vehicle for the rapid execution of services to the County as they relate to solid waste environmental requirements. Assignments under this task assignment will only be provided as authorized by County staff.

Radford, Mike

From: Edwards, Johnny
Sent: Tuesday, September 8, 2020 3:04 PM
To: Radford, Mike
Subject: RE: Pace - 10/01/19 - 08/31/20

No attachment..
In short – According to the MPIS, we have 26 GW wells and 2 SW points at Lena. We also have 25 piezometers to monitor the hydraulic gradient across the slurry wall.

The annual compliance costs for the MPIS:
Water Quality = sampling + analytical + reporting = PACE + SCS' Annual reporting expense (include 1/5 of technical report) = $46K + (what you pulled from our work order for WQ reporting). That's the total annual – you can divide by 28 for the prorated cost per monitoring point.

Also –we have monitoring/reporting for hydraulic gradient – that should come entirely from our work order.

Johnny Edwards
SCS Engineers
Orlando, FL
407-204-3233 (W)
407-497-3179 (C)
wedwards@scsengineers.com

www.scsengineers.com

From: Radford, Mike <MRadford@scsengineers.com>
Sent: Tuesday, September 8, 2020 2:09 PM
To: Edwards, Johnny <WEdwards@scsengineers.com>
Subject: RE: Pace - 10/01/19 - 08/31/20

So is the total reimbursable circled in blue supposed to be $46k?

Thanks,

Mike Radford, P.E.
SCS Engineers
Orlando, FL
(407) 204-3235 (W)
(407) 748-2616 (C)
mradford@scsengineers.com

Driven by Client Success
www.scsengineers.com

From: Radford, Mike
Sent: Tuesday, September 8, 2020 11:07 AM

ATTACHMENT 2 - Hourly Fee Schedule
Work Assignment 16-14
Manatee County

Personnel	Tasks (Hours) 1	2	3	4	(hours)	Rate ($)	Total ($)
Principal/Office Director	5.0	5.0	5.0	5.0	20.0	182	3,640
Project Director	15.0	36.0	44.0	30.0	125.0	179	22,375
Senior Project Manager	16.0	46.0	0.0	30.0	92.0	175	16,100
Project Manager	0.0	0.0	60.0	40.0	100.0	148	14,800
Senior Project Professional	23.5	76.0	86.0	60.0	245.5	129	31,670
Project Professional	32.5	184.0	280.0	100.0	596.5	110	65,615
Staff Professional	63.0	216.0	476.0	120.0	875.0	94	82,250
Associate Staff Professional	21.0	310.0	40.0	150.0	521.0	77	40,117
Designer/Technician	4.5	36.0	0.0	50.0	90.5	73	6,607
Drafter	15.0	0.0	0.0	50.0	65.0	55	3,575
Administrative Assistant	13.0	44.0	20.0	22.0	99.0	54	5,346
Subtotal Labor (hours)	208.5	953.0	1,011.0	657.0	2,829.5		
Subtotal Labor ($)	22,396	94,626	108,464	66,608	6,340		292,094
Reimbursables	11,599	11,599	11,599	11,599	46,398		46,398
G&A 10 percent on subs	0	7,300	2,150	0			9,450
Total Fee Estimate	**$33,995**	**$113,525**	**$122,213**	**$78,207**			**$347,942**

Notes:
Task 1 - GW Support
Task 2 - Landfill Support
Task 3 - LFG Support Services
Task 4 - Miscellanous Support Services

REIMBURSABLE COSTS

Reimbursable	Unit Cost ($)	Unit	Task (Quantity) 1	2	3	4	Units	($)
Subconsultant-VE tests	5,500	ls	0	0	1	0	1	5,500
Subconsultant Engine test	4,000	day	0	0	2	0	2	8,000
Sub - Flare P & M	8,000	ls	0	0	1	0	1	8,000
Surveying (Aerial/Ground)	13,000	ls	0	1	0	0	1	13,000
Vehicle Mileage (Auto)	0.535	mile	0	0	0	0	0	0
Vehicle Mileage (Truck)	0.535	mile	0	0	0	0	0	0
Rental Car	0	day	0	0	0	0	0	0
Truck	75	day	0	24	60	0	84	6,300
SUV/UTV	50	day	0	0	36	0	36	1,800
JetClean	1	ls	0	60,000	0	0	60,000	60,000
Air Fare	0	each	0	0	0	0	0	0
Meal Per Diem	45	day	0	0	0	0	0	0
Lodging, Hotel	130	day	0	0	12	0	12	1,560
Postage & Freight	20	ls	0	0	6	0	6	120
Reproduction (B/W)	0.10	each	0	600	300	0	900	90
Reproduction (Color)	0.15	each	0	120	60	0	180	27
Equipment Rental -FID	185	day	0	0	8	0	8	1,480
Emissions Fee	1	ls	0	0	1,000	0	1,000	1,000
Licenses/Permits	1	T&M	0	10,000	0	0	10,000	10,000
Computer (CAD)	5	hour	24	82	40	0	146	730
CAD prints	5	each	0	0	0	0	0	0

Task 1 - GW Support	Office Director	Proj. Dir	Sr Pr Mgr	Proj. Mgr	Sr. Proj. Prof	Proj Prof	Stf Prof	Ass Staff	Designer/Technician	Drafter	Admin Asst	Total
Erie Road LF 2nd 2019 Semi-Annual	0	0	0	0	0	0	0	0	0	0	0	
Lena Road LF 2nd 2019Semi-Annual		5	4		5	11	26	8	2	5	4	
Erie Road LF 1st 2020 Semi-Annual	0	0	0	0	0	0	0	0	0	0	0	
Lena Road LF 1st 2020 Semi-Annual		5	4		5	11	26	8	2	5	4	
Lena Technical Report 2020		1	2		1.5	2.5	5	5	0.5	3	1	
Response to comments/meeting/minor mod		4	6		12	8	6			2	4	
TOTAL HOURS	0	15	16	0	24	33	63	21	5	15	13	203.5
Task 2 - Landfill Support												
2.1 Landfill Leachate/Groundwater Gradient Report												
Measure levels in 25 piezometers and 25 monitoring wells		4	12		8			180			12	
Data upload, review, letter report preparation					16	100	120	50			12	
2.2 Lena Road Landfill Estimate of Remaining Life												
Coordinate for data from County and others		0	0	0	0	0	0	0	0	0	0	
AutoCAD volumes/drawings		0	0	0	0	0	0	0	0	0	0	
Report and calculations		0	0	0	0	0	0	0	0	0	0	
2.3 Annual Financial Assurance Update												
Draft Annual Financial Assurance Update		0	0	0	0	0	0	0	0	0	0	
Final Annual Financial Assurance Update		0	0	0	0	0	0	0	0	0	0	
2.4 Lena Road Stormwater Inspections												
Site visit/Inspections		4			16		8					
Report		4	2		12	4	8		4		4	
2.5 5-Year Permit Update												
Permit app, ops plan, FA, GWMP, closure plan	5	24	32		24	80	80	80	32		16	
TOTAL HOURS	5	36	46	0	76	184	216	310	36	0	44	953

Task 3 - LFG Support Services											
3.1 Monthly Monitoring											
Monitoring						6	140				
Data upload/formatting				6	12	6	12				
Follow up readings						6	24				
Monthly report		2		4	6	40					
Monthly meeting/discussions		2		4	6	12	12				
PM		2		4	0						12
3.2 Perimeter probe Monitoring											
Monitoring						0	16				
Follow up readings						4	4				
Quarterly Report		2		6		12					
PM		2		6							
3.3 SEM Monitoring											
Monitoring				8		0	36				
Follow up readings						4	6				
Quarterly Report		2			6	12					
PM		2			6						
Flare P M coordination/oversite											
3.4 Title V Reporting											
3.4.1 Semi Annual Reporting											
Data compilation							8				
Draft Report		2		4	8	8	16				
Eidts to Draft						4	6				
Final Report and submission		2		2		2	2				
PM		1									
3.4.2 Annual Operating Report											
Data compilation							8				
Draft Report		2			2	8	16				
Eidts to Draft						4	6				
Final Report and submission		1		2	4	2	2				
PM		1			4						
3.4.3 Annual Emissions fee Reporting											
							0				
Review fee satement		1				2	0				
Coordinate check and payment		1				2	0				2
3.4.4 Annual Staement of Compliance											
Data compilation							16				

Draft Report		2			3	8	16					
Eidts to Draft						4	6					
Final Report and submission		1		2	3	2	2					
PM		1										
3.4.5 Annual GHG Reporting												
Data compilation				2		8	16					
Draft Report		2			2	8	12					
Eidts to Draft						4	6					
Final Report and submission		1		2	4	2	2					
PM		1			4							
3.5 Annual Testing and reporting												
VE Testing- Bag house- Coordination/Supervision		1		0	0	3	6					
VE Testing Flare Coordination/Supervision		1		2	0	3	6					
VE Testing Sludeg Dryer Coordination/Supervision		2		0	0	3	6					
Performance Testing- Engine- Coordination/Supervision		2		2	4	6	12					
Annual EIA Forms				0	4	8	16					
Reporting of tests		2		2	4	20						
PM		2			4						6	
3.6 Liquid level Testing and Reporting												
Filed prep						4						
Take liquid levels all wells						40	40	40				
Compile data and prepare report						20						
Review draft report edits				2		2						
finalize report - deliver	5	1				1						
TOTAL HOURS	5	44	0	60	86	280	476	40	0	0	20	1011
Task 4 - Miscellanous Support Services												
unknown	5	30	30	40	60	100	120	150	50	50	22	
Activity Description												
Activity Description												
Activity Description												
Activity Description												
TOTAL HOURS	5	30	30	40	60	100	120	150	50	50	22	657

Attachment 8

Florida Jetclean - Jetclean America

7538 Dunbridge Drive
Odessa, FL 33556
800-226-8013

Invoice

Svc Date	Due Date	Invoice #
8/10/2020	9/9/2020	13791

Bill To	Ship To
SCS Engineers 3922 Coconut Palm Drive Suite 102 Tampa, FL 33619	Manatee County Lena Road Landfill Stages I-III

P.O. No.	Terms	Project Information
SO 09-05540	Net 30	LCS Pipe Jet Video

Date(s)	Description	Amount
8/3/20 - 8/4/20	High-pressure water-jetting of ~38,633 lf of existing HDPE leachate collection piping at Stages I – III	27,418.48
8/10/20	Explosion-proof video-inspection of above piping (up to 2,000 LF)	2,500.00
	*** Report Provided Via Email To Johnny Edwards *** *** Video On Flash Drive Left On Site With County Officials ***	

RECEIVED
By 2862pjf at 2:39 pm, Aug 10, 2020

Project 09217088.18
Task 1 GL
Description
Vendor Voucher
Approved

APPROVED
By 4784wje at 9:17 am, Aug 13, 2020

Thank you for your business.

Total $29,918.48

- All major credit cards accepted with 4.5% processing fee.

- Please pay against invoice, no statement will be sent.

Attachment 9:
FDOT Type B Fencing and Slide Gate

Florida Department of Transportation
Item Average Unit Cost
From 2019/01/01 to 2019/06/30

Contract Type: CC STATEWIDE
Displaying: VALID ITEMS WITH HITS
From: 0102 1 To: 9999999

Item	No. of Conts	Weighted Average	Total Amount	Total Quantity	Unit Meas	Obs?	Description
0550 10218	1	$15.00	$3,675.00	245.000	LF	N	FENCING, TYPE B, 0.0-5.0', RESET EXIST
0550 10220	8	$18.26	$95,699.66	5,242.000	LF	N	FENCING, TYPE B, 5.1-6.0', STANDARD
0550 10221	3	$19.93	$264,625.00	13,279.000	LF	N	FENCING, TYPE B, 5.1-6.0', W/ BARB ATTMT
0550 10228	1	$31.50	$9,135.00	290.000	LF	N	FENCING, TYPE B, 5.1-6.0, RESET EXISTING
0550 10232	1	$52.00	$2,236.00	43.000	LF	N	FENCING, TYPE B, 6.1-7.0, W/VINYL COATIN
0550 10240	1	$55.00	$2,695.00	49.000	LF	N	FENCING, TYPE B, 7.1-8.0', STANDARD
0550 10248	2	$34.08	$31,525.00	925.000	LF	N	FENCING, TYPE B, 7.1-8.0, RESET EXISTING
0550 10315	1	$100.00	$342,700.00	3,427.000	LF	N	FENCING, TYPE R, 0-5.0', VERTICAL
0550 10325	1	$78.75	$28,980.00	368.000	LF	N	FENCING, TYPE R, 5.1-6.0', VERTICAL
0550 10343	1	$237.00	$84,846.00	358.000	LF	N	FENCING, TYPE R, 7.1-8.0, W/FULL ENCLOS
0550 10344	2	$134.52	$315,314.00	2,344.000	LF	N	FENCING, TYPE R, 7.1-8.0, W/PART ENCLOS
0550 10353	1	$173.00	$162,966.00	942.000	LF	N	FENCING, TYPE R, 8.1-10', W/FULL ENCLOS
0550 10918	1	$20.00	$1,880.00	94.000	LF	N	FENCING,SPECIAL TYP, 0.0-5.0', RESET EXI
0550 60112	1	$358.00	$5,012.00	14.000	EA	N	FENCE GATE,TYP A, SGL, 6.1-12' OPENING
0550 60123	2	$2,310.83	$43,905.69	19.000	EA	N	FENCE GATE,TYP A, DBL, 12.1-18' OPENING
0550 60126	1	$4,355.87	$4,355.87	1.000	EA	N	FENCE GATE,TYP A, DBL, 24.1-30.' OPENING
0550 60211	3	$1,285.71	$9,000.00	7.000	EA	N	FENCE GATE,TYP B,SGL, 0- 6.0' OPENING
0550 60212	3	$1,267.67	$7,606.00	6.000	EA	N	FENCE GATE,TYP B,SGL,6.1-12.0' OPENING
0550 60213	1	$1,000.00	$1,000.00	1.000	EA	N	FENCE GATE,TYP B, SGL,12.1-18.0' OPENING
0550 60222	2	$1,975.00	$3,950.00	2.000	EA	N	FENCE GATE,TYP B, DBL, 6.1-12.0' OPENING
0550 60225	1	$1,000.00	$1,000.00	1.000	EA	N	FENCE GATE,TYP B, DBL, 20.1-24' OPENING
0550 60232	2	$6,306.67	$18,920.00	3.000	EA	N	FENCE GATE,TYP B,SLIDE/CANT,6.1-12'OPEN
0550 60235	1	$6,050.00	$24,200.00	4.000	EA	N	FENCE GATE,TYP B,SLIDE/CANT,20.1-24'OPEN
0550 60400	1	$1,500.00	$1,500.00	1.000	EA	N	FENCE GATE, RESET EXISTING
0550 60513	1	$4,500.00	$18,000.00	4.000	EA	N	FENCE GATE,METAL, SGL,12.1-18.0' OPENING
0561 1	8	$1,418.49	$5,927,855.80	4,179.000	TN	N	COATING EXISTING STRUCTURAL STEEL
0561 2	1	$220.00	$154,000.00	700.000	SF	N	COATING EXISTING STRUCTURAL STEEL
0570 1 1	21	$.75	$667,576.08	886,528.000	SY	N	PERFORMANCE TURF
0570 1 2	121	$2.46	$7,381,842.93	2,998,802.000	SY	N	PERFORMANCE TURF, SOD
0571 1 11	5	$4.64	$43,639.25	9,406.000	SY	N	PLASTIC EROSION MAT, TRM, TYPE 1
0571 1 12	1	$3.40	$965.60	284.000	SY	N	PLASTIC EROSION MAT, TRM, TYPE 2
0580 1 1	5	$28,784.32	$143,921.60	5.000	LS	N	LANDSCAPE COMPLETE- SMALL PLANTS
0580 1 2	6	$37,870.42	$227,222.50	6.000	LS	N	LANDSCAPE COMPLETE- LARGE PLANTS
0580 2 1	1	$7,000.00	$14,000.00	2.000	EA	N	LANDSCAPE- RELOCATE TREE, PALMS <14'
0580 2 2	4	$1,749.54	$31,491.66	18.000	EA	N	LANDSCAPE- RELOCATE TREE, PALMS >14'
0580 2 4	2	$1,008.41	$18,151.30	18.000	EA	N	LANDSCAPE- RELOCATE TREE, TREES <5"
0580 2 5	2	$1,331.53	$62,582.08	47.000	EA	N	LANDSCAPE- RELOCATE TREE, TREES >5"
0580 2 7	2	$603.19	$14,476.44	24.000	EA	N	LANDSCAPE- RELOCATE TREE, PALMS <14' SAB
0580 2 8	3	$527.58	$19,520.60	37.000	EA	N	LANDSCAPE- RELOCATE TREE, PALMS >14' SAB
0581 1 1	1	$925.00	$58,275.00	63.000	EA	N	RELOCATE TREES & PALMS, PALM <14'

Attachment 10
Water Quality
Sampling and
Analysis Annual
Expense

Manatee County, BCC

GL Transaction Details (Long)

10/01/2019 to 08/31/2020

Primary Ref. / JL / Transaction Description / Batch ID	JL Key	JL Obj	JL-PR.	FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
4800010900 - Landfill Operations									
531000 - Professional services									
1935332732			03	2020	12/16/2019	V018092			49.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			40.25
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 300.0 IC ANION				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			49.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 350.1 AMMONIA				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			40.25
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 323.2 NITROGE				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			285.60
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			119.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			84.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 7470 MERCURY				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			154.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 8011 CGS EDB D				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	
1935332732			03	2020	12/16/2019	V018092			469.00
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL 8260 MSV				AP	01091297	B2022083			7.00
KPC1719F							OH	KPRICE	

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1935332732			03	2020	12/16/2019	V018092			637.50
JL	N/A..N/A	12/16/19	03	2020	12/06/2019	8021737	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01091297	B2022083			8.50
KPC1719F							OH	KPRICE	
2035361653			09	2020	06/19/2020	V018092			21.00
JL	N/A..N/A	06/19/20	09	2020	06/09/2020	8321840	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01103006	B2026086			3.00
KP62320C							OH	KPRICE	
2035361653			09	2020	06/19/2020	V018092			10.20
JL	N/A..N/A	06/19/20	09	2020	06/09/2020	8321840	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01103006	B2026086			3.00
KP62320C							OH	KPRICE	
2035361653			09	2020	06/19/2020	V018092			13.60
JL	N/A..N/A	06/19/20	09	2020	06/09/2020	8321840	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01103006	B2026086			4.00
KP62320C							OH	KPRICE	
2035361653			09	2020	06/19/2020	V018092			712.50
JL	N/A..N/A	06/19/20	09	2020	06/09/2020	8321840	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01103006	B2026086			9.50
KP62320C							OH	KPRICE	
2035362308			09	2020	06/19/2020	V018092			13.60
JL	N/A..N/A	06/19/20	09	2020	06/11/2020	8321840	P		0.00
PACE ANALYTICAL 200.7 ICP META				AP	01103006	B2025966			4.00
KP62320C							OH	KPRICE	
2035362308			09	2020	06/19/2020	V018092			28.00
JL	N/A..N/A	06/19/20	09	2020	06/11/2020	8321840	P		0.00
PACE ANALYTICAL 2540D TOTAL SU				AP	01103006	B2025966			4.00
KP62320C							OH	KPRICE	
JE20001317			10	2020	07/10/2020	V018092			10,577.80
JL	N/A..N/A	07/27/20	10	2020	04/28/2020	8378479	P		0.00
CORR O/C PACE ANALYTICAL				AP	01099974				0.00
JERB72420D							JE	RBOTHAS	
JE20001317			10	2020	07/10/2020	V018092			9,260.35
JL	N/A..N/A	07/27/20	10	2020	05/26/2020	8378479	P		0.00
CORR O/C PACE ANALYTICAL				AP	01101541				0.00
JERB72420D							JE	RBOTHAS	

Manatee County, BCC

GL Transaction Details (Long)

10/01/2019 to 08/31/2020

Primary Ref. / JL / JL Key / JL Obj / Transaction Description / Batch ID	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
JE20001317	10	2020	07/10/2020	V018092			1,997.40
JL N/A..N/A 07/27/20	10	2020	06/02/2020	8378479	P		0.00
CORR O/C PACE ANALYTICAL		AP	01101902				0.00
JERB72420D					JE	RBOTHAS	

*** Object Totals ***	DR	24,562.05
	CR	0.00
	Net	24,562.05
*** EN Net *** 540,112.96	*** Object Totals with EN ***	564,675.01

Annual costs under professional services

Primary Ref. / JL / JL Key / JL Obj / Transaction Description / Batch ID	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
4800010900 - Landfill Operations							
534000 - Other contractual scvs							
1935331456	07	2020	04/24/2020	V018092			63.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 2540C TOTAL DI		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			51.75
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 300.0 IC ANION		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			63.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 350.1 AMMONIA		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			51.75
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 353.2 NITROGEN		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			397.80
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6010 ICP METAL		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			153.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6020 ICPMS MET		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			108.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 7470 MERCURY		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			198.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8011 GCS EDB D		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			603.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8260 MSV		AP	01099974	B2025070			9.00
KP42820J					OH	KPRICE	

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1935331456	07	2020	04/24/2020	V018092			825.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL FIELD TECHNICI		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			70.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 2540C TOTAL DI		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			57.50
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 300.0 IC ANION		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			70.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 350.1 AMMONIA		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			57.50
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 353.2 NITROGEN		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			442.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6010 ICP METAL		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			170.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6020 ICPMS MET		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			120.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 7470 MURCURY		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			220.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8011 GCS EDB D		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	

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1935331456	07	2020	04/24/2020	V018092			670.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8260 MSV		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			750.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL FIELD TECHNICI		AP	01099974	B2025070			10.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			77.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 2540C TOTAL DI		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			63.25
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 300.0 IC ANION		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			77.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 350.1 AMMONIA		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			63.25
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL NITROGEN, NO2/		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			486.20
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6010 ICP METAL		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			187.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6020 ICPMS MET		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			132.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 7470 MURCURY		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	

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1935331456	07	2020	04/24/2020	V018092			242.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8011 GCS EDB D		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			737.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8260 MSV		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			825.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL FIELD TECHNICI		AP	01099974	B2025070			11.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			416.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 1631E MURCURY,		AP	01099974	B2025070			8.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			28.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 2540C TOTAL DI		AP	01099974	B2025070			4.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			28.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 2540D TOTAL SU		AP	01099974	B2025070			4.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			28.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 350.1 AMMONIA		AP	01099974	B2025070			4.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			23.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 353.2 NITROGEN		AP	01099974	B2025070			4.00
KP42820J					OH	KPRICE	
1935331456	07	2020	04/24/2020	V018092			34.00
JL N/A..N/A 04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 365.4 TOTAL PH		AP	01099974	B2025070			4.00
KP42820J					OH	KPRICE	

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1935331456			07	2020	04/24/2020	V018092			48.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 410.4 COD				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			48.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 5120B BOD				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			56.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 5310B TOC				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			208.80
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			81.60
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			88.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8011 GCS EDB D				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			268.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 8260 MSV				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			36.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL 9222D FECAL CO				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			96.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL CHLOROPHYLL &				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	

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1935331456			07	2020	04/24/2020	V018092			450.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01099974	B2025070			6.00
KP42820J							OH	KPRICE	
1935331456			07	2020	04/24/2020	V018092			60.00
JL	N/A..N/A	04/24/20	07	2020	11/30/2019	8237040	P		0.00
PACE ANALYTICAL TOTAL NITROGEN				AP	01099974	B2025070			4.00
KP42820J							OH	KPRICE	
2035337082			07	2020	04/24/2020	V018092			21.00
JL	N/A..N/A	04/24/20	07	2020	01/06/2020	8237040	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01099974	B2025066			3.00
KP42820J							OH	KPRICE	
2035337082			07	2020	04/24/2020	V018092			3.40
JL	N/A..N/A	04/24/20	07	2020	01/06/2020	8237040	P		0.00
PACE ANALYTICAL 6010 IPC METAL				AP	01099974	B2025066			1.00
KP42820J							OH	KPRICE	
2035337082			07	2020	04/24/2020	V018092			525.00
JL	N/A..N/A	04/24/20	07	2020	01/06/2020	8237040	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01099974	B2025066			7.00
KP42820J							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			91.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			74.75
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 300.0 IC ANION				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			91.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 350.1 AMMONIA				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			74.75
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 353.2 NITROGEN				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	

Primary Ref. / JL / Transaction Description / Batch ID	JL Key	JL Obj	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
2035357219			08	2020	05/19/2020	V018092			574.60
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			221.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			156.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 7470 MERCURY				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			286.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 8011 GCS EDB D				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			871.00
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL 8260 MSV				AP	01101541	B2025523			13.00
KP52620A							OH	KPRICE	
2035357219			08	2020	05/19/2020	V018092			843.75
JL	N/A..N/A	05/19/20	08	2020	05/12/2020	8274938	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01101541	B2025523			11.25
KP52620A							OH	KPRICE	
2035357372			08	2020	05/19/2020	V018092			91.00
JL	N/A..N/A	05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01101541	B2025547			13.00
KP52620A							OH	KPRICE	
2035357372			08	2020	05/19/2020	V018092			74.75
JL	N/A..N/A	05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 300.0 IC ANION				AP	01101541	B2025547			13.00
KP52620A							OH	KPRICE	
2035357372			08	2020	05/19/2020	V018092			91.00
JL	N/A..N/A	05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 350.1 AMMONIA				AP	01101541	B2025547			13.00
KP52620A							OH	KPRICE	

Primary Ref. / JL / JL Key / JL Obj / Transaction Description / Batch ID	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
2035357372	08	2020	05/19/2020	V018092			74.75
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 353.2 NITROGEN		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			574.60
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 6010 ICP METAL		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			221.00
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 6020 ICP METAL		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			156.00
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 7470 MERCURY		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			286.00
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 8011 GCS EDB D		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			871.00
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL 8260 MSV		AP	01101541	B2025547			13.00
KP52620A					OH	KPRICE	
2035357372	08	2020	05/19/2020	V018092			862.50
JL N/A..N/A 05/19/20	08	2020	05/13/2020	8274938	P		0.00
PACE ANALYTICAL FIELD TECHNICI		AP	01101541	B2025547			11.50
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			28.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 254OC TOTAL DI		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			23.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 300.0 IC ANION		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	

Primary Ref. / JL / JL Key / JL Obj / Transaction Description / Batch ID	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
2035357419	08	2020	05/19/2020	V018092			28.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 350.1 AMMONIA		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			23.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 353.2 NITROGEN		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			176.80
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 6010 ICP META		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			68.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 6020 ICMPS MET		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			48.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 7470 MERCURY		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			88.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 8011 GCS EDB D		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			268.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 8260 MSV		AP	01101541	B2025550			4.00
KP52620A					OH	KPRICE	
2035357419	08	2020	05/19/2020	V018092			412.50
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL FIELD TECHNICI		AP	01101541	B2025550			5.50
KP52620A					OH	KPRICE	
2035357420	08	2020	05/19/2020	V018092			49.00
JL N/A..N/A 05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 2540C TOTAL DI		AP	01101541	B2025552			7.00
KP52620A					OH	KPRICE	

Primary Ref. / JL / Transaction Description / Batch ID	JL Key	JL Obj	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
2035357420			08	2020	05/19/2020	V018092			40.25
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 300.0 IC ANION				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			49.00
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 350.1 AMMONIA				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			40.25
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 353.2 NITROGEN				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			285.60
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			119.00
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			84.00
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 7470 MERCURY				AP	01101541	B2025552			7.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			88.00
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 8011 GCS EDB D				AP	01101541	B2025552			4.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			268.00
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL 8260 MSV				AP	01101541	B2025552			4.00
KP52620A							OH	KPRICE	
2035357420			08	2020	05/19/2020	V018092			487.50
JL	N/A..N/A	05/19/20	08	2020	05/14/2020	8274938	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01101541	B2025552			6.50
KP52620A							OH	KPRICE	

Primary Ref. / JL / Transaction Description / Batch ID	JL Key	JL Obj	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
2035358671			08	2020	05/29/2020	V018092			416.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 1631 LOW LEVEL				AP	01101902	B2025734			8.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			28.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 2540C TOTAL DI				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			28.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 2540D TOTAL SU				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			28.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 350.1 AMMONIA				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			23.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 353.2 NITROGEN				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			34.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 365.4 TOTAL PH				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			48.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 410.4 COD				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			48.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 5210B BOD				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			56.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 5310B TOC				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	

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2035358671			08	2020	05/29/2020	V018092			208.80
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 6010 ICP METAL				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			81.60
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 6020 ICPMS MET				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			88.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 8011 GCS EDB D				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			268.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 8260 MSV				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			36.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL 92222D FECAL C				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			96.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL CHLOROPHYLL &				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			450.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL FIELD TECHNICI				AP	01101902	B2025734			6.00
KP60220E							OH	KPRICE	
2035358671			08	2020	05/29/2020	V018092			60.00
JL	N/A..N/A	05/29/20	08	2020	05/21/2020	8289887	P		0.00
PACE ANALYTICAL TOTAL NITROGEN				AP	01101902	B2025734			4.00
KP60220E							OH	KPRICE	
JE20001317			10	2020	07/10/2020	V018092			0.00
JL	N/A..N/A	07/27/20	10	2020	04/28/2020	8378479	P		10,577.80
CORR O/C PACE ANALYTICAL				AP	01099974				0.00
JERB72420D							JE	RBOTHAS	

Manatee County, BCC

GL Transaction Details (Long)

10/01/2019 to 08/31/2020

Primary Ref. / JL / Transaction Description / Batch ID	JL Key	JL Obj	GL-PR. / JL-PR.	FY / FY / CK	Post Date / Date2 / ID-No. / JeACG TrACG	PE ID / Job Number / 2nd Ref. / Contract	PeDB / Sb	Misc / Prep	DR / CR / Units / Work Order No
JE20001317			10	2020	07/10/2020	V018092			0.00
JL	N/A..N/A	07/27/20	10	2020	05/26/2020	8378479	P		9,260.35
CORR O/C PACE ANALYTICAL				AP	01101541				0.00
JERB72420D							JE	RBOTHAS	
JE20001317			10	2020	07/10/2020	V018092			0.00
JL	N/A..N/A	07/27/20	10	2020	06/02/2020	8378479	P		1,997.40
CORR O/C PACE ANALYTICAL				AP	01101902				0.00
JERB72420D							JE	RBOTHAS	

*** Object Totals ***	DR	21,835.55
	CR	21,835.55
	Net	-0.00
*** EN Net *** 212,813.97	*** Object Totals with EN ***	212,813.97

Annual costs under contracted services

MANATEE COUNTY GOVERNMENT
INTENT TO NEGOTIATE

SUBJECT	Collection and Removal of Household Hazardous Waste (HHW)	**DATE POSTED**	MC x DS x 12/21/17 CC TB
PURCHASING REPRESENTATIVE	Bonnie Sietman, Contracts Negotiator x3046	**DATE CONTRACT SHALL BE AWARDED**	Upon Completion of Successful Negotiations
DEPARTMENT	Utilities, Recycle Division	**CONSEQUENCES IF DEFERRED**	N/A
SOLICITATION	RFP 17-2234BLS	**AUTHORIZED BY DATE**	Theresa Webb 12/20/201

NOTICE OF INTENT TO AWARD

Notice of Intent to Negotiate with Clean Harbor's Environmental Services – Bartow, Florida.

ENABLING/REGULATING AUTHORITY

Manatee County Code of Laws

BACKGROUND/DISCUSSION

PROJECT BACKGROUND:

Manatee County issued a Request for Proposal to provide for the Collection and Disposal of Household Hazardous Waste (HHW), as required by Manatee County. Agreement shall provide collection, identification, removal, transportation and proper disposal of Household Hazardous Wastes generated from residents of Manatee County through scheduled collection events.

SOLICITATIONS:

The RFP was released on MyManatee, Demand Star and the Manatee County Chamber of Commerce. Three (3) proposals were received from:

1) Care Environmental Corporation, Orlando, Florida
2) Clean Harbors Environmental Services, Bartow, Florida
3) US Ecology, EQ Florida Inc., Tampa, Florida

EVALUATION COMMITTEE (VOTING) MEMBERS:

1) Sherilyn Burris, Emergency Management Chief, Public Safety Department
2) Ivan Groom, Redevelopment Coordinator, Redevelopment & Economic Opportunity Department
3) Scott Wood, Recycling & Special Waste Collection Supervisor, Utilities Department

ATTACHMENTS (List in order of attached)	•	**FUNDING SOURCE (Acct Number & Name)**	4800011000-534000 Term Agreement ☐ Funds Verified ☐ Insufficient Funds
COST	Annual estimate: $400,000 x five (5) years = $2,000,000	**AMT/FREQ OF RECURRING COSTS (Attach Fiscal Impact Statement)**	N/A

NON-VOTING MEMBERS:

1) Bonnie Sietman, Contracts Negotiator, Financial Management Department, Procurement Division
2) Mary DeJesus, Recycling Program Coordinator, Utilities Department

EVALUATION RESULTS:

The Evaluation Committee convened on November 28, 2017 and reviewed procedural guidelines and responsibilities. Two members of the public were present; Mr. Curt DeBrunner from US Ecology, EQ Florida Inc. and Mr. Ed Gornik from Clean Harbors Environmental Services. The Committee proceeded to discuss the strengths and weaknesses of each of the three proposers. After discussion, the Committee members deemed Care Environmental Corporation to not be acceptable for further consideration:

- Limited collection experience in Florida
- No on-line program
- Ability to staff County event was unclear (if additional personnel needed, 2-hour response time)
- Not completely responsive in their proposal

Based on the content of the two remaining written proposals submitted by US Ecology, EQ Florida Inc. and Clean Harbors Environmental Services the Committee felt it had adequate information and voted 2-1 to recommend an intent to negotiate with Clean Harbors Environmental Services based on the following:

- Emergency collection program procedures
- Recycle program for fuel
- Environmental sustainability
- Substantial Florida experience
- On-line waste tracking at a single location
- Organized re-cycle program for Manatee County

The resulting agreement shall be managed by the Utilities Recycling & Special Waste Collection Division.

ESTIMATED ANNUAL COST OF SERVICES:

1) $400,000
2) Five-year agreement estimate - $2,000,000

FUNDING ACCOUNT:
Utilities Department, Recycle Division – Account Key 4800011000-534000

AMENDMENT NUMBER 3

CONTRACT Y17-1035, MOWING OF CLOSED AREAS AT ORANGE COUNTY LANDFILL

Effective date: June 15, 2020

1. The referenced contract is hereby renewed as follows:

   From: June 15, 2020 through June 14, 2021.

2. All other specifications, terms and conditions, prices and percentage discounts remain unchanged.

ARISTOCUTS LAWN & GARDEN SERVICES, INC.

Jeanette Aylor
Signature

JEANETTE AYLOR
Printed/Typed Name

President
Title

01-17-2020
Date

ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS

Melisa Vergara
Signature

Melisa Vergara, CPPB

Senior Contracting Agent

1/22/20
Date

AMENDMENT NUMBER 2

CONTRACT Y17-1035, MOWING OF CLOSED AREAS AT ORANGE COUNTY LANDFILL

Effective date: June 15, 2019

1. The referenced contract is hereby renewed as follows:

   From: June 15, 2019 through June 14, 2020.

2. All other specifications, terms and conditions, prices and percentage discounts remain unchanged.

ARISTOCUTS LAWN & GARDEN SERVICES, INC.	ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS
Jeanette Aylor	Melisa Vergara
Signature	Signature
Jeanette Aylor	Melisa Vergara, CPPB
Printed/Typed Name	
President	Senior Purchasing Agent
Title	
01-25-2019	1/28/19
Date	Date

AMENDMENT NUMBER 1

CONTRACT Y17-1035, MOWING OF CLOSED AREAS AT ORANGE COUNTY LANDFILL

Effective date: June 15, 2018

1. The referenced contract is hereby renewed as follows:

   From: June 15, 2018 through June 14, 2019.

2. All other specifications, terms and conditions, prices and percentage discounts remain unchanged.

Jeanette Aylor	Melisa Vergara
Signature	Signature
JEANETTE AYLOR	Melisa Vergara, CPPB
Printed/Typed Name	
President	Senior Purchasing Agent
Title	
04-10-2018	4/10/18
Date	Date

PROCUREMENT DIVISION
CARRIE WOODELL, MPA, CFCM, CPPO, C.P.M., APP, Manager
400 E South Street 2nd Floor * Reply To: Post Office Box 1393, Orlando, FL 32802-1393
PH: 407-836-5635 FAX: 407-836-5899

TERM CONTRACT NO. Y17-1035-MV
MOWING OF CLOSED AREAS AT OC LANDFILL

TO: Aristocuts Lawn & Garden Services, Inc.
Attn: Jeanette Aylor
1626 Waterwitch Drive
Orlando, FL 32806

This is to inform you that the Orange County Board of County Commissioners hereby enters into a term contract subject to the following:

TERMS AND CONDITIONS

1. Acceptance:

   This contract is our acceptance of your offer in response to our Invitation for Bids No. **Y17-1035-MV, MOWING OF CLOSED AREAS AT OC LANDFILL - Term Contract**, and is subject to all terms and conditions therein.

2. Term of Contract:

   A. This is a term contract for the time period specified in the referenced Invitation for Bids, for the products/services covered by this contract. The County is not obligated to purchase any minimum amount of products or services, unless otherwise stipulated in the Invitation for Bids.

   B. This contract is effective **JUNE 15, 2017,** and shall remain in effect through **JUNE 14, 2018.** The estimated contract award for this period is **$106,500.**

   C. This contract may be renewed upon mutual agreement as provided in the Invitation for Bids. Any amendments to this contract must be in writing and signed by both parties. Such amendment(s) must be signed by the representative of the Orange County Procurement Division to be valid, binding, and enforceable.

   D. This contract may be cancelled or terminated as provided for in the Invitation for Bids.

3. Ordering against Contract:

   A. Unless otherwise specified in the Invitation for Bids, the County will place orders by issuance of a numbered Delivery Order against this contract. Each Delivery Order will specify the quantity, description and location for delivery.

   B. The obligations of Orange County under this contract are subject to need and availability of funds lawfully appropriated for its purpose by the Board of County Commissioners.

4. Taxes:

   The County has the following tax exemption certificates assigned.

   A. Certificate of Registry No. 59-70-004K for tax free transactions under Chapter 32, Internal Revenue Code;

   B. Florida Sales and Use Tax Exemption Certificate No. 85-8012622266C-0.

5. Invoicing:

   A. Invoices must be submitted, in duplicate, referencing this contract number and the Delivery Order to:

   Orange County Utilities Solid Waste Division
   Procurement Coordinator
   5901 Young Pine Rd.
   Orlando, FL 32829
   Phone 407 836-6653

   B. Invoices against this contract are authorized only at the prices stated in your bid response, unless otherwise provided in the Invitation for Bids.

6. All requirements contained in any addenda to the solicitation for this procurement are part of and hereby incorporated into this contract.

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

BY: Melisa Vergara
Melisa Vergara, CPPB
Procurement Division

DATE: 6/6/17

Original

Includes approximately 316 AC

ORIGINAL

BID RESPONSE FORM
IFB #Y17-1035-MV

The Contractor shall provide all labor and other resources necessary to provide the services in strict accordance with the scope of work/services defined in this solicitation for the amounts specified in this Bid Response Form, inclusive of overhead, profit and any other costs.

ITEM NO.	DESCRIPTION	PRICE PER MONTH	x	12	=	TOTAL PRICE
1.	Exterior Landscape Management at the Orange County Landfill at 12100 Young Pine Road. Orlando, FL as specified.	$8,875.00	x	12	=	$106,500.00

ESTIMATED TOTAL BID (ITEM 1) $106,500.00

Aristocuts
Company Name

IMPORTANT NOTE: When completing your bid, do not attach any forms which may contain terms and conditions that conflict with those listed in the County's bid documents(s). Inclusion of additional terms and conditions such as those which may be on your company's standard forms shall result in your bid being declared non-responsive as these changes will be considered a counteroffer to the County's bid.

Performance shall be not later than thirty (30) calendar days After Receipt of Order (ARO) per Special Terms and Conditions.

Inquiries regarding this Invitation for Bids may be directed to Melisa Vergara, Senior Purchasing Agent, at Melisa.Vergara@ocfl.net

Bid Response Documents - The following documents constitute your bid:

A. Bid Response Form, Authorized Signatories/Negotiators, Drug-Free Workplace, Schedule of Sub-contracting, Conflict/Non-Conflict of Interest Form, E-Verification Certification, and current W9, Relationship Disclosure Form and Orange County Specific Project Expenditure Report. **Please make sure forms are fully executed where required.**
B. Qualifications of Bidders information, per Special Terms and Conditions.
C. Completed attached reference documentation.

04/13/17 12:17:26
Procurement Division