

Mission:

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.

**Rick Scott**

Governor

John H. Armstrong, MD, FACS

State Surgeon General & Secretary

Vision: To be the Healthiest State in the Nation

May 28, 2014

Damann Anderson, P.E.
Hazen and Sawyer, P.C.
10002 Princess Palm Avenue
Registry One Building, Suite 200
Tampa, Florida 33619

Dear Mr. Anderson:

This letter is to provide you with permission to proceed with work in accordance with the current executed contract CORCL, including all amendments and renewals, and based on the appropriations of the legislature, for the "Florida Onsite Sewage Nitrogen Reduction Strategies Study: Technology Evaluation, Characterization of Environmental Fate and Transport, and an Assessment of Costs".

Specific authorization is provided to utilize up to an additional \$8,093 of Task C.30 Change-order allowance funds as cost reimbursement for the abandonment of monitoring wells at the soil and groundwater monitoring sites C-HS3 and C-HS4. The change is necessary because the unanticipated need to hire a licensed well contractor to perform parts of Task C. 26 (Draft Site Summary and Closeout Report). The estimated costs are based on the quote provided with your request of April 25, 2014.

Specific authorization is provided to utilize up to an additional \$24,000 of Task B.16 Change-order allowance funds for additional testing to Florida's product composition rule (64E-6.0151, Florida Administrative Code). Per your proposal of May 15, 2014, the costs are based on the price per assessment for Task A.16 (\$4,000) and six installed experimental systems from which you will obtain two samples each, one of which will be the effluent. The change is beneficial for the project because it thoroughly addresses concerns about experimental treatment byproducts for a variety of operating conditions. The testing will include acute definitive toxicity testing and volatile organic compounds determination by EPA method 8260 with a detection limit of 0.5 ug/L in most cases, and supplemental analysis by EPA method 504.1 for 1,2-dibromo-3-chloropropane and 1,2-dibromoethane to address higher method detection limits of 8260 and lower criteria for these compounds as given in the list the Department uses to determine non-compliance.

Task	Title	Description	Estimated Cost
C.30	Abandonment of wells	Mobilization, abandonment of wells, removal of lawn meter boxes at sites C-HS3 and C-HS4, abandonment permits	\$8,093
B.16	Product composition testing	Sampling six experimental sites (2 samples each), acute definitive toxicity test, analysis by EPA Method 8260 and supplemental analysis by EPA Method EPA 504.1	\$ 24,000
	Total		\$32,093

Florida Department of Health

Division of Disease Control & Health Protection • Bureau of Environmental Health
4052 Bald Cypress Way, Bin A-08 • Tallahassee, FL 32399-1710
PHONE: 850/245-4250 • FAX: 850/487-0864

www.FloridasHealth.com

TWITTER:HealthyFLA

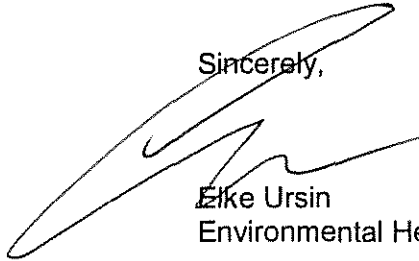
FACEBOOK:FLDepartmentofHealth

YOUTUBE: fldoh

- **Tasks 1:** (cost-reimbursement) the cost for this task shall not exceed the estimated costs listed in the table above without prior written approval, and will be documented by contractor invoices.
- **Task 2:** (unit cost) the deliverable will be a memo describing sampling and analytical results, as well as copies of lab and any field evaluation results.

If you have questions, please contact me at (850) 245-4070 x2708 or by email at Elke.Ursin@flhealth.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Elke Ursin', with a large, sweeping flourish extending from the end of the signature.

Elke Ursin
Environmental Health Program Consultant

EU/contract file

Elke Ursin
Florida Department of Health
4052 Bald Cypress Way
Bin #A-08
Tallahassee, FL 32399-1713

April 25, 2014

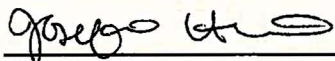
Dear Mrs. Ursin,

For the Florida Department of Health Contract CORCL Nitrogen Reduction Strategies Study, we are currently in the process of completing Task C.26 Draft Site Summary and Close-out Report for field sites C-HS3 and C-HS4. We will need to remove or abandon the groundwater monitoring wells at these sites.

Current regulations (Southwest Florida Water Management District, Chapter 40D-3, Regulation of Wells) require that a water well contractor with a license from the State of Florida plug the abandoned wells. This was not included in our scope and budget for this work. We have received the attached quote from the drilling company (Environmental Drilling Service, Inc.) that installed the wells. As this is an unexpected cost, we are requesting authorization to use funds from Task C.30 change-order allowance to cover this cost.

Please contact me if you have any questions regarding this request.

Sincerely,
Hazen and Sawyer, P.C.



Josefin Hirst
Senior Principal Engineer

ENVIRONMENTAL DRILLING SERVICE, INC.
 4712 OLD WINTER GARDEN ROAD
 ORLANDO, FL 32811

QUOTATION

Quote Number: 15194
 Quote Date: Apr 25, 2014
 Page: 1

Voice: 407 295 3532
 Fax: 407 296 3957

Quoted To:

Hazen & Sawyer
 10002 Princess Palm Ave
 Registry 1, Suite 200
 Tampa, FL

Customer ID	Good Thru	Payment Terms	Sales Rep
HAZEN	5/25/14	Net 30 Days	

Quantity	Item	Description	Unit Price	Amount
		SITE #1) LAKE WALES HOME SITE, [REDACTED] [REDACTED] LAKE WALES, POLK CO, FL Scope of work: Abandon 68 wells (depths + diameters vary) Pull/dispose of 6" lawn meter box and patch with sod Days to complete: 1.5 to 2 days SITE #2) PRIVATE RESIDENCE SITE, [REDACTED] CREEK RD, GIBSONTOWN, HILLSBOROUGH CO, FL Scope of work: Abandon 45 wells (depths + diameters vary) Pull/dispose of 6" lawn meter box and patch with sod Days to complete: 1.5 to 2 days		
1.00		SITE #1 : LAKE WALES HOME SITE		
1,027.00	WA2	per ft, 3/4" - 1" Well Abandonment	2.00	2,054.00
84.00	WA2	per ft, 2" Well Abandonment	4.00	336.00
68.00	WPR	each, 6" lawn meter box removal + sod patch (as needed)	25.00	1,700.00
2.00	PD	Per Diem, per crew, per night (as needed)	300.00	600.00
1.00	PR	Permit - SWFWMD (no charge - well abandonment)		
1.00		SITE #2: PRIVATE RESIDENCE SITE,		
Subtotal				Continued
Sales Tax				Continued
TOTAL				Continued

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 4712 OLD WINTER GARDEN ROAD
 ORLANDO, FL 32811

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Quote Number: 15194
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Voice: 407 295 3532
 Fax: 407 296 3957

Quoted To:

Hazen & Sawyer
 10002 Princess Palm Ave
 Registry 1, Suite 200
 Tampa, FL

Customer ID	Good Thru	Payment Terms	Sales Rep
HAZEN	5/25/14	Net 30 Days	

Quantity	Item	Description	Unit Price	Amount
		GIBSONTON		
491.00	WA2	per ft, 3/4" - 1" Well Abandonment	2.00	982.00
24.00	WA2	per ft, 2" Well Abandonment	4.00	96.00
45.00	WPR	each, 6" lawn meter box removal + sod patch (as needed)	25.00	1,125.00
2.00	PD	Per Diem, per crew, per night (as needed)	300.00	600.00
1.00	PR	Permit - SWFWMD (no charge - well abandonment)		
1.00	Mob	Mobilization - roundtrip	600.00	600.00
			Subtotal	8,093.00
			Sales Tax	
			TOTAL	8,093.00

ENVIRONMENTAL DRILLING SERVICE, INC.4712 OLD WINTER GARDEN ROAD
ORLANDO, FL 32811**INVOICE**

Invoice Number: 7795

Invoice Date: Jun 13, 2014

Page: 1

Duplicate

Voice: 407 295 3532

Fax: 407 296 3957

Bill To:Hazen & Sawyer
10002 Princess Palm Ave
Registry 1, Suite 200
Tampa, FL**Ship to:**SITE #1) GIBSONTON SITE
SITE #2) LAKE WALES SITE

Customer ID	Customer PO	Payment Terms	
HAZEN	J.HIRST	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Courier		7/13/14

Quantity	Item	Description	Unit Price	Amount
		SITE #1: PRIVATE RESIDENCE SITE, GIBSONTON, FL		
625.00	WA2	per ft, 3/4" - 1" Well Abandonment	2.00	1,250.00
34.00	WPR	each, 6" lawn meter box removal + sod patch	25.00	850.00
1.00	PD	Per Diem, per crew, per night	300.00	300.00
1.00	PR	Permit - SWFWMD (no charge)		
		SITE #2: LAKE WALES HOME SITE		
1,070.00	WA2	per ft, 3/4" - 1" Well Abandonment	2.00	2,140.00
93.00	WA2	per ft, 2" Well Abandonment	4.00	372.00
27.00	WPR	each, 6" lawn meter box removal + backfill	25.00	675.00
1.00	PD	Per Diem, per crew, per night	300.00	300.00
1.00	PR	Permit - SWFWMD (no charge)		
1.00	Mob	Mobilization - roundtrip	600.00	600.00
Subtotal				6,487.00
Sales Tax				
Total Invoice Amount				6,487.00
Payment/Credit Applied				
TOTAL				6,487.00

Check/Credit Memo No: