

**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
	<b>Total</b>		<b>\$32,093</b>

**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

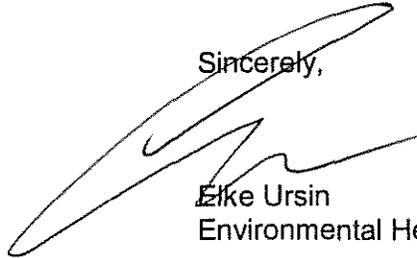
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- **Tasks 1:** (cost-reimbursement) the cost for this task shall not exceed the estimated costs listed in the table above without prior written approval, and will be documented by contractor invoices.
- **Task 2:** (unit cost) the deliverable will 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](mailto:Elke.Ursin@flhealth.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Elke Ursin', is written over the typed name.

Elke Ursin  
Environmental Health Program Consultant

EU/contract file