# **CHANGE ORDER APPROVAL FORM**

PROJECT: <u>Limited Contamination Assessment</u>	CHANGE ORDER NUMBER:01
Report (LCAR); Hilliard, Nassau County, Florida;	DATE:
Facility ID. 45/8521128	CONTRACT NUMBER:
TO CONTRACTOR: Matanzas Geosciences, In	nc.
Reason for Change Order: Additional cost for Task Or Equipment). Cost associated with an additional field e MW-9H at the Hilliard facility. (see attached proposal	vent to complete sampling activities for MW-8H and
Original Contract Sum	Agreement. \$00
Amount of This Change Order (Add/Deduct)	\$ 755.00
New Contract Sum Including this Change Order	\$15,431.00
	2
APPROVED BY: Michael Wahaney, County Adminis	DATE: October 11, 2006
APPROVED BY: Michael Mallin, County Attorney	DATE:October 11, 2006
APPROVED BY:	DATE:October 11, 2006
Thomas D. Branan, Jr., Chairman ATTESTED APPROVED-BY:  John A. Crawford, Clerk of Courts	DATE: October 11, 2006

88 RIBERIA STREET, SUITE 300, ST. AUGUSTINE, FLORIDA 32084
PHONE: 904-824-0488 FAX: 904-824-8177 WEBSITE: WWW.MATANZASGEO.COM

September 13, 2006

Ms. Ronda Sikes Nassau County Road & Bridges 37356 Pea Farm Road Hilliard, Florida 32046

**RE:** Cost Proposal

Additional Groundwater Sampling (MW-8H and MW-9H) Limited Contamination Assessment Report Nassau County Transportation Department 2496 Eastwood Road Hilliard, Nassau County, Florida Facility ID: 45/8521128 Proposal M2006-056b

Dear Ms. Sikes:

At your request, Matanzas Geosciences, Inc. (MATANZAS) is providing this proposal for the groundwater sampling of monitor wells MW-8H and MW-9H. This proposal reflects a change in scope to the contract executed between MATANZAS and Nassau County dated June 14, 2006.

## **PROJECT STATUS**

Five (5) replacement monitor wells were installed at the site on July 11, 2006; these included MW-4HR, MW-13HR, MW-14HR, MW-15HR, and MW-17HDR. On July 13, 2006, 12 groundwater samples were collected and analyzed for Volatile Organic Aromatics (VOAs), Polynuclear Aromatic Hydrocarbons (PAHs), and Total Recoverable Petroleum Hydrocarbons (TRPH).

During the site inspection performed on May 26, 2006, monitor well MW-8H was mistakenly identified as a compliance well associated with the AST system. MATANZAS was notified on July 10, 2006 of the mistake and that MW-8H had been discovered under about 1-foot of soil and would not likely be in a condition to sample. Therefore MW-8H was not sampled during July 13, 2006 activities.

Also, upon arriving onsite July 11, 2006 to redevelop the monitor wells, it was discovered that MW-9H had been filled in with sediment during a recent rain storm. This well was not sampled on July 13, 2006.

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Between August 31 and September 12, 2006, Nassau County Road and Bridges representatives reconditioned MW-8H and MW-9H. MATANZAS was notified on September 12, 2006, that the two wells were ready for sampling.

The scope of work presented in this proposal addresses the labor and equipment costs associated with an additional field event to complete sampling activities for MW-8H and MW-9H. The costs associated with groundwater analyses for samples collected from MW-8H and MW-9H was previously approved and is not part of this proposal.

#### SCOPE OF WORK

## Task 1: Groundwater Sample Collection and Analyses

Prior to the collection of groundwater samples, depth to groundwater will be measured using an electronic water level gauge and the groundwater flow direction will be determined.

One groundwater sample will be collected from monitor well MW-8H and MW-9H in accordance with the guidelines established in FDEP Standard Operating Procedures (SOP)-001/01, revision date July 1, 2002. Groundwater samples will be submitted to a state-approved laboratory for the following analyses:

Area	Samples	Analyses
MW-8H	1 Shallow	8021 (VOAs), 8310 (PAHs), TRPH (FL-PRO)
MW-9H	1 Shallow	8021 (VOAs), 8310 (PAHs), TRPH (FL-PRO)

All sample collection activities will be completed in one field day. Analytical costs associated with this task were included in the previous executed contract; therefore, the Client will not be charged again for these analyses.

### **COST ESTIMATE:**

Task 1 -	Groundwater Sample Collection (labor & equipment)	\$755.00
_	Groundwater Analyses	No Charge
Total		\$755.00

All work associated with this task order will be billed on a lump sum basis according to the costs presented herein. MATANZAS will obtain your approval before proceeding with the proposed work. If this cost estimate meets with your approval, please sign and date in the area provided below. Retain one copy for your files and return the second copy (fax or mail) to our office with your authorization to proceed.

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MATANZAS appreciates the opportunity to provide you with this cost estimate. Should you have any questions or require additional information, please contact me at (904) 824-0488.

Sincerely,

MATANZAS GEOSCIENCES, INC.

R. Bruce Hallett, PhD, P.G.

Principal

Authorized Nassau County Representative

 (Signature)
 (Title)
 (Authorization Date)