

**CHANGE ORDER APPROVAL FORM**

PROJECT: Limited Contamination Assessment

CHANGE ORDER NUMBER: 01

Report (LCAR); Bailey, Nassau County, Florida;

DATE: 10/11/06

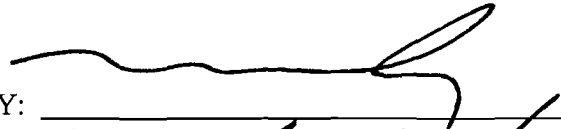
Facility ID. 45/8521115

CONTRACT NUMBER: \_\_\_\_\_

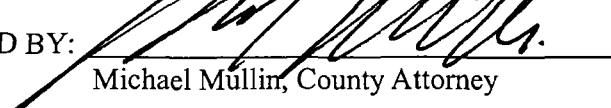
TO CONTRACTOR: Matanzas Geosciences, Inc.

Reason for Change Order: Labor and equipment costs associated with an additional field event to complete groundwater sampling activities for MW-9B and analysis of VOAs by EPA Method 8021. An additional task has been added for the preparation and submittal of a Discharge Notification Form to the DEP.


Original Contract Sum.....	\$	<u>7,745.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>7,745.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>800.00</u>
New Contract Sum Including this Change Order.....	\$	<u>8,545.00</u>

APPROVED BY:   
Michael Mahaney, County Administrator

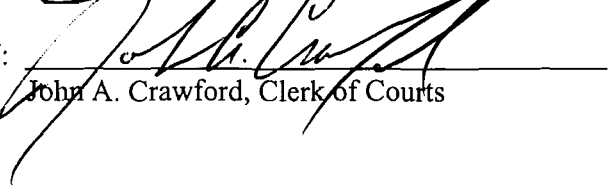
DATE: October 11, 2006

APPROVED BY:   
Michael Mullin, County Attorney

DATE: October 11, 2006

APPROVED BY:   
Thomas D. Branan, Chairman

DATE: October 11, 2006

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 21, 2006

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

RE: **Cost Proposal**  
**Additional Groundwater Sampling (MW-9B)**  
**Limited Contamination Assessment Report**  
**Nassau County Transportation Department**  
**3163 Bailey Road**  
**Fernandina Beach, Nassau County, Florida**  
**Facility ID: 45/8521115**  
**Proposal M2006-057b**

Dear Ms. Sikes:

At your request, Matanzas Geosciences, Inc. (MATANZAS) is providing this proposal for the collection and analysis of a confirmatory groundwater sample from monitor well MW-9B at the Bailey Road site. This proposal reflects a change in scope to the contract executed between MATANZAS and Nassau County dated June 14, 2006.

## **PROJECT STATUS**

Nine (9) groundwater samples were collected from monitor wells MW-1B, MW-2B, MW-3B, MW-4B, MW-6B, MW-7B, MW-8B, MW-9B, and MW-10B on July 12, 2006 in accordance with the approved contract. The samples were submitted for analysis of Volatile Organic Aromatics (VOAs), Polynuclear Aromatic Hydrocarbons (PAHs), and Total Recoverable Petroleum Hydrocarbons (TRPH). Results of the laboratory analyses showed no detection of groundwater contaminants above the Groundwater Cleanup Target Levels (GCTLs) except for the sample collected from MW-9B. For this sample benzene was reported at 1.5 micrograms per liter ( $\mu\text{g/L}$ ), above the benzene GCTL of 1  $\mu\text{g/L}$  and MTBE was detected at a concentration of 160  $\mu\text{g/L}$ , above the MTBE GCTL of 20  $\mu\text{g/L}$ . Monitor well MW-9B is located east of the maintenance shop, immediately downgradient of a 500-gallon AST that is believed to contain waste oil and/or diesel fuel. During sampling activities on July 12, 2006, it was noted that the AST does have secondary containment that catches small spills or leaks from the tank. However, the AST is not adequately covered by a shelter and rainwater collects in the secondary containment catch basin. It is possible that the catch basin filled with rain water, spilled over the secondary containment structure, and seeped into the groundwater in the vicinity of MW-9B. There are some Best Management Practices that should be implemented concerning the AST that will minimize rain water over-flow in the future.

MATANZAS recommends collection of a confirmation groundwater sample from monitor well MW-9B. If no groundwater contaminants are detected, then the Limited Contamination Assessment Report (LCAR) will be submitted to the Department of Environmental Protection (DEP) requesting a No Further Action (NFA). If groundwater contaminants are detected, then MATANZAS will submit the LCAR requesting a NFA for the February 1992 release, indicating that a second, unrelated release, has occurred in the vicinity of the AST. If groundwater contaminants are detected in the confirmatory sample, the Nassau County Transportation Department is strongly encouraged to report the release to the DEP.

The scope of work presented in this proposal addresses the labor and equipment costs associated with an additional field event to complete groundwater sampling activities for MW-9B and analysis of VOAs by EPA Method 8021. An additional task has been added for the preparation and submitted of a Discharge Notification Form to the DEP, should this be necessary.

**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. One groundwater sample will be collected from monitor well MW-9B in accordance with the guidelines established in DEP Standard Operating Procedures (SOP)-001/01, revision date July 1, 2002. The groundwater sample will be submitted to a state-approved laboratory for the following analysis:

Area	Samples	Analyses
MW-9B	1 Shallow	8021 (VOAs)

All sample collection activities will be completed in one field day.

**Task 2: Preparation and Submittal of Discharge Notification Form,**

If groundwater contaminants are detected in the confirmatory sample, MATANZAS will prepare and submit a Discharge Notification Form as required by the DEP.

**COST ESTIMATE:**

Task 1 – Groundwater Sample Collection (labor & equipment) .....	\$525.00
Groundwater Analyses .....	\$75.00
Task 2 – Preparation and Submittal of DNF .....	\$200.00
<b>Total .....</b>	<b>\$800.00</b>

Ms. Ronda Sikes  
September 21, 2006  
Page 3 of 3

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.

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)