

13-12-81

FINANCIAL SERVICES
NASSAU COUNTY, FL

2012 DEC 10 **CHANGE ORDER APPROVAL FORM**

2012 DEC -4 AM 10: 13

PROJECT: West Nassau Landfill Closure

CHANGE ORDER NUMBER: 3

DATE: 11/15/12

CONTRACT NUMBER: CM1734

TO CONTRACTOR: COMANCO Environmental Corporation

Reason for Change Order: Change order deductive for additional construction material testing due to failed geomembrane and geotextile testing and for Golder Associates CQA on holidays.

Original Contract Sum.....	\$	<u>4,924,873.89</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>98,668.09</u>
Contract Sum Prior to This Change Order.....	\$	<u>5,023,541.98</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>(5,156.00)</u>
New Contract Sum Including this Change Order.....	\$	<u>5,018,385.98</u>

12 DEC -4 PM 3:55
C.M. Young

The contract for substantial completion will be (increased) (decreased) (unchanged) by 0 days;
Substantial Completion: February 8, 2013; Final Completion: March 25, 2013

APPROVED BY: [Signature]
Project Manager (Department Head)

DATE: 12/3/12

APPROVED BY: [Signature]
Contract Manager

DATE: 12/4/12

APPROVED BY: [Signature]
Director of Office of Management & Budget

DATE: 12-7-12

APPROVED BY: [Signature]
County Manager

DATE: 12/10/12

70000000 - 239955
2/2/12

SECTION 00 63 63

CHANGE ORDER REQUEST FORM

(Instructions on 00 63 63-2)

No. 3

PROJECT: West Nassau Landfill Final Closure

DATE OF ISSUANCE: November 15, 2012

EFFECTIVE DATE:

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No.: CM1734 (Bid Number NC11-004)

CONTRACTOR: Comanco Environmental Corp. ENGINEER / ARCHITECT: Golder Associates Inc.

You are directed to make the following changes in the Contract Documents.

Description: Change order (deductive) for additional testing of construction materials and COA on holidays
 Reason for Change Order: Liner system installation and associated testing is complete
 Attachments: (List documents supporting change): Letter from Golder Associates detailing these costs dated November 15, 2012.

CHANGE IN CONTRACT PRICE: Original Contract Price \$ <u>4,924,873.89</u>	CHANGE IN CONTRACT TIMES: Original Contract Times Substantial Completion: <u>January 9, 2013</u> Ready for Final Payment: <u>February 23, 2013</u> (days or dates)
Net change from previous Change Orders No. 1 to No. <u>12 RKT 11/2</u> \$ <u>98,668.09</u>	Net change from previous Change Orders No. 1 to No. <u>12 RKT 11/2</u> <u>26 working days (Does not include Sundays)</u> (days)
Contract Price prior to this Change Order \$ <u>5,023,541.98</u>	Contract Times Prior to this Change Order Substantial Completion: <u>February 8, 2013</u> Ready for Final Payment: <u>March 25, 2013</u> (days or dates)
Net Increase (decrease) of this Change Order \$ <u>(5,156.00) Deductive</u>	Net Increase (decrease) of this Change Order <u>0 - None</u> (days)
Contract Price with all approved Change Orders \$ <u>5,018,385.98</u> ✓ RKT	Contract Times with all approved Change Orders Substantial Completion: <u>February 8, 2013</u> Ready for Final Payment: <u>March 25, 2013</u> (days or dates)

RECOMMENDED:

By: [Signature]
 Engineer/Architect (Authorized Signature)

Date: Nov. 15, 2012

APPROVED:

By: [Signature]
 COUNTY (Authorized Signature)

Date: 11/23/12

ACCEPTED:

By: [Signature]
 Contractor (Authorized Signature)

Date: 11/26/12

**GEOTECHNICAL
MATERIALS
TESTING
PRICE LIST
2011**



3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Phone: 1.800.275.3281
Fax: 770.492.8233
Jon Ellingson - Laboratory Mgr

TEST PROCEDURE	TEST METHOD	UNIT PRICE
Moisture Content (oven)	ASTM D2216*	\$8
Moisture Content (microwave)	ASTM D4643	\$10
Visual-Manual Classification	ASTM D2488*	\$8
Unit Weight & Moisture from a Tube Sample	ASTM D2937 (modified)	\$27
Atterberg Limits (LL, PL, PI, LI) (Method A)	ASTM D4318 (2)*	\$79
Atterberg Limits (LL, PL, PI, LI) (Method D)	ASTM D4318 (2)*	\$63
Carbonate Content (aggregates)	ASTM D3042	\$200
Carbonate Content (soils)	ASTM D4373	\$54
Crumb Test (dispersive clays)	ASTM D6572	\$42
Double Hydrometer (dispersive clays)	ASTM D4221	\$170
Specific Gravity	ASTM D854, C07, C127, C120*	\$43
Organic Content	ASTM D2974, C40	\$38
Resistivity	ASTM G57	\$81
pH Determination	ASTM D1293, D4972	\$37
Sieve Analysis (3" - #200)	ASTM D1140, D422, C136 (2)*	\$78
Sieve Analysis with Hydrometer	ASTM D422 (2)*	\$95
Sieve Analysis (passing #200 only)	ASTM D1140, C117 (2)*	\$39
Standard or Modified Proctor	ASTM D698, D1557 (2)*	\$119
LA Abrasion	ASTM C131, C635	\$400
Permeability Test (granular soils) (<0.75 inches max diameter)	ASTM D2431*	\$164
Permeability Test (granular material) (>0.75 inches min diameter)	ASTM D2434	\$265
Permeability Test (flexible wall) (Method C)	ASTM D5084 (1)*	\$279
Permeability Test (flexible wall) (Method D)	ASTM D5084 (1)*	\$274
Permeability Test (GCL) (flexible wall) (Method D)	ASTM D5807 *	\$274
Consolidation (one-dimensional)	ASTM D2435 (1)*	
a. standard load/unload to 16ksf		\$390
b. each additional load increment		\$55
c. each additional rebound cycle		\$85
Swell or Settlement of Cohesive Soils	ASTM D4540	
a. method A or B		\$172
b. method C		\$390
Unconfined Compression Test	ASTM D2166*	
a. peak only		\$54
b. with stress/strain curve		\$109
TRIAXIAL U/U (3 specimens)	ASTM D2850 (1)*	\$450
TRIAXIAL C/U (3 specimens)	ASTM D4767 (1)	\$800
TRIAXIAL C/D (3 specimens)	EM 1110-2-1606 App.X (1)	\$910
TRIAXIAL C/U (3 cycles)	ASTM D4767	\$565
Direct Shear C/D (3 specimens)	ASTM D3080*	\$450
California Bearing Ratio Test	ASTM D1883*	\$398
a. one pt. specified density		\$160
b. dry punch (per pt.)		\$75
Pinhole Dispersion Test	ASTM D4647	\$214
Bulk Density (Unit Weight) and Voids in Aggregate	ASTM G29	\$68
Soundness of Aggregates by Use of Magnesium Sulfate	ASTM C88	\$400
Clay Lumps and Friable Particles in Aggregates	ASTM C142	\$58
Flat and Elongated Particles in Coarse Aggregate	ASTM D4791	\$66
Sand Equivalent	ASTM D2419	\$95
Angularity of Aggregate Particles with Slope	ASTM D2488	\$95
CONCRETE TESTING		
Compressive Strength (per cylinder)	ASTM C39	\$16

* Tests are accredited by the American Association of State Highway and Transportation Officials (AASHTO) or by the Geosynthetic Accreditation Institute (GAI).

(1) ASTM D5084, D2850, D4767, D2435, D3080 & E1110-2 includes a one point specific gravity, unit weight/moisture content, tube extraction or remold at no additional charge, if requested.

(2) includes oven moisture content (ASTM D2216).

THE ABOVE UNIT PRICES ARE FOR SINGLE TESTS ONLY AND DO NOT REFLECT ANY VOLUME DISCOUNTS.

Note: Rates are based on the information received at the time of quotation and the laboratory's interpretation (any modifications of the above methods may affect the rates).

SAMPLE STORAGE POLICY: All samples will be disposed of thirty (30) days after submission of the test results unless otherwise stated in a written request to the Laboratory. Golder will charge a storage fee after the 30 days, or return the samples to client at the client's expense.

Please call regarding turnaround times. Turnaround times are affected by the combinations of multiple tests, samples, materials, and projects.

**AGGREGATE
MATERIALS
TESTING
PRICE LIST
2011**



3730 Chamblée Tucker Road
Atlanta, Georgia 30341
Phone: 1.800.275.3281
Fax: 770.492.8233
Jon Ellingson - Laboratory Mgr

TEST PROCEDURE	TEST METHOD	UNIT PRICE
Bulk Density (Unit Weight) and Voids in Aggregate	ASTM C29	\$68
Compression of Concrete Cylinders	ASTM C39	\$16
Organic Impurities in Fine Aggregates for Concrete	ASTM C40	\$38
Soundness of Aggregates by Use of Magnesium Sulfate	ASTM C88	\$400
Materials finer than No. 200 Sieve by Washing	ASTM C117*	\$39
Specific Gravity and Absorption of Coarse Aggregate	ASTM C127	\$43
Specific Gravity and Absorption of Fine Aggregate	ASTM C128*	\$43
LA Abrasion - Small-Size Coarse Aggregate	ASTM C131	\$400
Sieve Analysis of Fine and Coarse Aggregates	ASTM C136*	\$78
Clay Lumps and Friable Particles in Aggregates	ASTM C142	\$58
LA Abrasion - Large-Size Coarse Aggregate	ASTM C535	\$400
Permeability of Granular Soils	ASTM D2431	\$154-\$265
Insoluble Residue in Carbonate Aggregates	ASTM D3042	\$200
Large Scale Direct Shear	ASTM D3080/D5321*	\$225-\$320/pt
Flat and Elongated Particles in Coarse Aggregate	ASTM D4791	\$68
Sand Equivalent	ASTM D2419	\$95
Angularity of Aggregate Particles with Sieve	ASTM D2488	\$95

* Tests are accredited by the American Association of State Highway and Transportation Officials (AASHTO) or by the Geosynthetic Accreditation Institute (GAI).

THE ABOVE UNIT PRICES ARE FOR SINGLE TESTS ONLY AND DO NOT REFLECT ANY VOLUME DISCOUNTS.

Note: Rates are based on the information received at the time of quotation and the laboratory's interpretation (any modifications of the above methods may affect the rates).

SAMPLE STORAGE POLICY: All samples will be disposed of thirty (30) days after submission of the test results unless otherwise stated in a written request to the Laboratory. Golder will charge a storage fee after the 30 days, or return the samples to client at the client's expense.

Please call regarding turnaround times. Turnaround times are affected by the combinations of multiple tests, samples, materials, and projects.

**GEOSYNTHETIC
MATERIALS
TESTING
PRICE LIST
2011**



3730 Chamblee Tucker Road
Atlanta, Georgia 30341
Phone: 1.800.276.3281
Fax: 770.492.8233
Jon Ellingson - Laboratory Mgr

TEST PROCEDURE	TEST METHOD	SPECIMENS	UNIT PRICE
Apparent Opening Size	ASTM D4751 *	6	\$108
Asperity Height	GRI GM 12	10	\$20
Burst Strength, Mullen	ASTM D3786 *	10	\$48
Ball Burst Strength	ASTM D3787	5	\$40
Carbon Black Content	ASTM D1603 *	2	\$43
Carbon Black Dispersion	ASTM D3015/2663 *	0	\$43
Carbon Black Dispersion	ASTM D5596 *	10	\$43
Compression - core	ASTM D1621	5	\$70
Density/Specific Gravity	ASTM D702/ D1605 *	3	\$33
Dimensional Stability	ASTM D1204 *	2	\$53
Direct Shear (Interface testing)(15 min - 24 hr)(0.2-0.04ipm)	ASTM D5321 *	1-POINT	\$100-\$335
Direct Shear (GCL Internal)(15 min - 24 hr)(0.04 ipm)	ASTM D0243 *	1-POINT	\$215-\$326
Environmental Stress Crack	ASTM D1603 *	10	\$79
Fluid Loss (GCL - Benbrulle)	ASTM D5891 *	2	\$54
Free Swell	GRI GCL 1 (3)	1	\$54
Free Swell	ASTM D5890 *	1	\$54
Grab Strength and Elongation	ASTM D4632 *	20 (10MD, 10TD) (1)	\$48
Hardness (Durometer)	ASTM D2240 *	5	\$37
Mass Per Unit Area	ASTM D5261 *	10	\$22
Mass Per Unit Area (GCL)	ASTM D5993 * (3)	5	\$94
Melt Flow Index	ASTM D1230 *	2	\$30
Moisture Content (Oven)	ASTM D2216 *	5	\$27
Moisture Content (Microwave)	ASTM D4043	5	\$54
Pool Adhesion (single sided)/(double sided)	ASTM F904 mod. *	6/10	\$33/\$64
Peel Adhesion (GCL)	ASTM D8490	6 (MD only)	\$40
Percent Open Area (POA)	CW 2216	5	\$50
Permittivity/Permeability	ASTM D4491 *	4	\$90
Permeability (GCL)	ASTM D5807, Meth D *	1	\$274
Puncture Resistance	ASTM D4033 *	15	\$40
Puncture Resistance	FTMS 101C *	5	\$40
Puncture - CBR	ASTM D6241 *	10	\$125
Seam Peel/Shear	ASTM D4437 *	10	\$32
Seam Peel/Shear	ASTM D6392	10	\$32
Seam Geotextiles	ASTM D4864 *	5	\$79
Soil Burial	ASTM D3083 * (2)	10	\$105
Tear Resistance	ASTM D1004 *	20 (10MD, 10TD) (1)	\$40
Tensile Properties (2 In/min) GM 13 modified	ASTM D638 *	10 (5MD, 5TD) (1)	\$59
Tensile Properties	ASTM D6693	10 (5MD, 5TD) (1)	\$50
Tensile Properties (20 In/min)	ASTM D638 *	10 (5MD, 5TD) (1)	\$59
Tensile Properties/Geogrid	ASTM D4595 *	5	\$134
Tensile Properties/Geonet	ASTM D5935	10 (5MD, 5TD) (1)	\$59
Tensile Properties/PVC	ASTM D882 *	10 (5MD, 5TD) (1)	\$59
Tensile Properties/GCL	ASTM D6768 *	5 (6MD only) (1)	\$40
Thickness	ASTM D1693/D1777/D5109/D5994 *	10	\$21
Transmissivity (depends on test setup & conditions)	ASTM D4716	2	\$84-\$104
Trapezoidal Tearing Strength	ASTM D4533 *	20 (10MD, 10TD) (1)	\$40
Volatile Loss	ASTM D1203 *	3	\$53
Water Absorption	ASTM D570 *	4	\$53
Water Extraction	ASTM D1239	4	\$53
Wide Width Strip Tensile	ASTM D4885 *	12 (6MD, 6TD) (1)	\$4,000
Wide Width Strip Tensile	ASTM D4595 *	12 (6MD, 6TD) (1)	\$236

* Tests are accredited by the Geosynthetic Accreditation Institute (GAI) or by American Association of State Highway and Transportation Officials (AASHTO).

(1) MD-Machine Direction, TD-Transverse Direction.

(2) The price for soil burial does not include the price for the tensile test specified.

(3) Includes moisture content ASTM D2216.

THE ABOVE UNIT PRICES ARE FOR SINGLE TESTS ONLY AND DO NOT REFLECT ANY VOLUME DISCOUNTS.

Note: Rates are based on the information received at the time of quotation and the laboratory's interpretation (any modifications of the above methods may affect the rates).

SAMPLE STORAGE POLICY: All samples will be disposed of thirty (30) days after submission of the test results unless otherwise stated in a written request to the Geosynthetics Laboratory. Golder will charge a storage fee after the 30 days, or return the samples to client at the clients expense.

Please call regarding turnaround times. Turnaround times are affected by the combinations of multiple tests, samples, materials, and projects.

Timesheet Detail

GAI - GOLDER ASSOCIATES INC.
Timesheet Detail

Employee: 033594 SHAWN B CASEY
Period End Date: 11/11/2011

Date: 11/8/2012
Time: 05:01 PM

Project Name	Project Code	Phase	Task	Org	Cls	Actv	IIT	S	Tax	Wk	Date	Reg	Off	Total
Nassau County/Landfill Closure/FL	6933928103	1001	****	1470	LV2	****	"	"	***	***				
Description: start the under drain install south slope east side, stockpiling soil for leveling layer near GW 2-1											11/5/2011	9.00	0.00	9.00
Description: cont under drain south slope, relocating tras/cil from west Pa-In redesign, search for a/vina leak											11/7/2011	10.00	0.00	10.00
Description: cont under drain south slope limits, cont relocating soil/wash from the west Pa-In south slope redesign, 6 inch pump no longer being used to pump leachate to the top of LF											11/8/2011	10.50	0.00	10.50
Description: 6 inch pump no longer being used to pump leachate to the top of LF, fitted in drainage hole near LCR 4 with soil after mucking out the remainder of the leachate/mud on the bottom of the hole, cont with under drain south slope limits, legacy choved up late in the day for density testing performed 24 lost on the top of LF and south slope, repaired branch saddle on LCR 6 lateral											11/9/2011	11.50	0.00	11.50
Description: meeting for liner install, working on the downslope channel south slope											11/10/2011	10.00	0.00	10.00
Line Total:												51.00	0.00	51.00
Nassau County/Landfill Closure/FL	6933928103	1002	****	1470	LV2	****	"	"	***	***				
Description: uncover the electrical boxes for the tuber viets, cont working on the down slope channel											11/11/2011	6.50	0.00	6.50
Line Total:												6.50	0.00	6.50
Total Hours For 11/11/2011												57.50	0.00	57.50

Date/Time	Employee	Status/Notes
11/11/2011 7:11:03 PM	030520 F. JAFFER	Posted
11/14/2011 7:12:01 AM	031720 JESSE D BROWN	Approved
11/14/2011 6:39:52 AM	033594 SHAWN B CASEY	Signed
11/13/2011 7:31:56 PM	030514 ED FRANCO	Unsigned/Issing

Date/Time: _____ Signature: _____

GAI - GOLDR ASSOCIATES INC.
Timesheet Detail

Employee: 033594 SHAWN B CASEY
Period End Date: 1/20/2012

Date: 11/8/2012
Time: 05:02 PM

Project Name	Project Code	Phase	Task	Org	Cls	Actv	HT	S	Tax	Wk	Date	Reg	OT	Total
Hassau County/Landfil Closure/FL	9933928103	1007	****	1470	LV2	****	**	*	***	***				
											1/14/2012	4.50	0.00	4.50
											Line Total:	4.50	0.00	4.50
Hassau County/Landfil Closure/FL	9933928103	1006	****	1470	LV2	****	**	*	***	***				
											1/16/2012	10.00	0.00	10.00
											1/17/2012	11.00	0.00	11.00
											1/18/2012	11.00	0.00	11.00
											1/19/2012	12.00	0.00	12.00
											1/20/2012	8.00	0.00	8.00
											Line Total:	52.00	0.00	52.00
Total Hours For 1/20/2012												56.50	0.00	56.50

Date/Time	Employee	Status/Notes
2/5/2012 12:47:52 PM	033594 SHAWN B CASEY	Signed
1/23/2012 7:06:15 PM	020520 F. JAFFER	Posted
1/23/2012 1:20:16 PM	033720 JESSE C BROWN	Approved - Signed by Administrator
1/23/2012 0:13:16 AM	033960 ARCOLE PHILLIPS	Signed by Administrator
1/22/2012 7:45:32 PM	030614 ED FRANCO	Unsigned/Missing

Date/Time: _____ Signature: _____

GAI - GOLDER ASSOCIATES INC.
Timesheet Detail

Employee: 033594 SHAWN B CASEY
Period End Date: 2/24/2012

Date: 11/8/2012
Time: 05:03 PM

Project Name	Project Code	Phase	Task	Org	Cls	Actv	HT	S	Tax	Wk	Date	Reg	Ovt	Total
Nassau County/Landfill Closure/FL	9933928103	1006	****	1470	LV2	****	**	*	***	***				
											2/21/2012	11.00	0.00	11.00
											2/22/2012	12.00	0.00	12.00
											2/23/2012	12.00	0.00	12.00
											2/24/2012	11.00	0.00	11.00
											Line Total:	47.00	0.00	47.00
Nassau County/Landfill Closure/FL	9933928103	1007	****	1470	LV2	****	**	*	***	***				
											2/20/2012	2.50	0.00	2.50
											Line Total:	2.50	0.00	2.50
Total Hours For 2/24/2012												49.50	0.00	49.50

Date/Time	Employee	Status/Notes
3/18/2012 2:38:12 PM	033594 SHAWN B CASEY	Signed
2/20/2012 6:20:49 AM	033600 AMY B BARAHONA	Posted
2/28/2012 5:19:41 AM	036614 SHELLEY DOMONITCH	Approved - Signed by Administrator
2/27/2012 6:22:44 AM	033960 NICOLE PHILLIPS	Signed by Administrator
2/26/2012 6:30:39 PM	036614 ED FRANCO	Unsigned/Missing

Date/Time: _____ Signature: _____



November 15, 2012

993-3928.103

Mr. Clayton Lung
Comanco Environmental Corporation
4301 Sterling Commerce Drive
Plant City, FL 33566-7372

**RE: DEDUCTIVE CHANGE ORDER SUMMARY
WEST NASSAU CLASS I ACTIVE LANDFILL CLOSURE CONSTRUCTION
FDEP PERMIT NUMBER 0002870-014-SF
CONTRACT NO. CM1734 (BID NO. NC11-004)**

Dear Mr. Lung:

Now that the liner system installation is complete, Golder Associates Inc. (Golder) is providing this letter regarding the deductive change order (attached) associated with additional materials testing that was required for the final closure construction at the West Nassau Landfill, which is Comanco's responsibility in accordance with the Contract with Nassau County. The following information is provided to detail the additional costs associated with the final closure construction that were incurred due to failed geosynthetic tests and for additional testing of geosynthetics that were ordered separately from the initial bulk order.

Geotextile Conformance Testing

Additional costs were incurred during the final closure construction associated with the geotextile material. These costs can be categorized as follows: failed/bounding tests, and additional testing due to partial ordering.

A total of 185 rolls of GSE geotextile material was ordered for the liner system construction. In accordance with Project Specifications, conformance samples must be taken at the rate of 1 sample per 100,000 ft² of material delivered to the site. The 185 rolls equate to a combined area of 1,665,000 ft², thus requiring 17 conformance samples to be tested. However, because of failed tests, a total of 34 conformance samples were tested during the project. A total of 10 geotextile conformance samples (i.e. 10 rolls) failed to meet the requirements of the Project Specifications, which required bounding samples to be taken and sampled. The failed roll numbers are as follows:

■ 13040-5617	■ 13040-8068
■ 13040-5618	■ 13040-8078
■ 13040-5648	■ 13040-8079
■ 13040-5649	■ 13040-8080
■ 13040-8030	■ 13040-8081

In accordance with the Contract Documents, the costs associated with failed testing will result in a deductive change order. The total cost associated with these seventeen failures and resulting bounded retesting is \$2,839.00 (\$167/test). Note that this unit cost was reduced, as once a failing portion of the test sequence occurred, the testing was stopped. For reference, the full rate per conformance sample test is \$226/sample.

Geomembrane Destructive Seam Testing

In accordance with the Project Specifications, destructive seam testing samples of the installed geomembrane material were taken. These samples were first tested in the field by Comanco and then (if the field sample met the requirements of the Project Specifications) tested by our materials testing

Golder Associates Inc.
9428 Baymeadows Road, Suite 400
Jacksonville, FL 32266 USA
Tel: (904) 363-3430 Fax: (904) 363-3445 www.golder.com



Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

laboratory in Atlanta, Georgia. Additional test samples were required due to either field seam testing failure or laboratory seam testing failure.

A total of 6 field seam testing failures occurred, which resulted in additional testing (one additional sample per field failure). These 6 failures required additional samples to be sent to the lab (two samples were tested instead of one). The original seam sample numbers are as follows:

- | | |
|---------|----------|
| ■ DS-46 | ■ DS-84 |
| ■ DS-87 | ■ DS-101 |
| ■ DS-83 | ■ DS-107 |

A total of 6 laboratory geomembrane destructive seam tests failed to meet the requirements of the Project Specifications. The failing destructive seam test numbers are as follows:

- | | |
|------------|----------|
| ■ DSX-16 | ■ DS-104 |
| ■ DS-87A | ■ DS-105 |
| ■ DS-101B5 | ■ DS-108 |

Generally, two bounding samples were required for each lab test failure (note that DS-87A and DS101-B5 only required one each). Thus a total of 10 additional destructive seam tests were required. These samples were shipped with new samples, so no additional Fedex costs were incurred.

In accordance with the Contract Documents, the costs associated with failed testing will result in a deductive change order. The total cost associated with these sixteen failures is \$512.00 (\$32/test).

Holiday CQA Coverage

In accordance with the Contract Documents, Comanco must pay for CQA services at an hourly rate of \$95/hour on recognized Nassau County holidays. Through October 31, 2012, Golder has provided 3 days of CQA coverage during holidays. The days and hours worked are as follows:

- Veteran's Day (11/11/11): 6.5 hours
- Martin Luther King Day (1/16/12): 10.0 hours
- President's Day (2/20/12): 2.5 hours

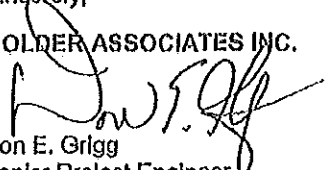
The total number of hours worked on holidays by Golder is 19.0; therefore the amount to be paid by Comanco is \$1,805.00.


Closing

Please sign and forward the attached change order for the deductive amount of \$5,156.00 to Nassau County with this letter attached to Ms. Becky Hiers for the County's processing. Should you have any questions please let us know.

Sincerely,

GOLDER ASSOCIATES INC.


Don E. Grigg
Senior Project Engineer


Glenn R. Carwell III, CHMM
Senior Engineer and Associate

Attachments: Change Order Request Form
2011 Standard Laboratory Rate Sheet
Timesheet detail for Holiday CQA

NASSAU COUNTY CONTRACT MANAGEMENT
 CONTRACTOR: COMANCO Environmental Corporation
 PROJECT: West Nassau Landfill - Final Closure
 CONTRACT NO.: CM1734

Report Print Date: 11/27/2012

CHANGE ORDER / ALLOWANCE AUTHORIZATION TRACKING SHEET

CO#	AA#	Date	Purpose	Change Order Amount	Supplemental Work Authorization	Contract Time (Days)		Approval Date	Approval By
						Substan.	Final		
1			Quantity adjustment - Line Item #15 Gas Extraction Wells	-\$8,460.00					
	02	10/25/11	Provide topographic surveying services along the perimeter of the limits of construction		\$3,450.00	0	0	11/4/2011	SH
	03	11/14/11	Additional cost for the underdrain system		\$17,831.33	0	0	11/27/2011	SH
	03-B	11/15/12	Additional materials 40-mil UltraFlex Liner		\$6,511.67	0	0	11/27/2011	SH
	01	12/20/11	Additional gas collection and control valves; valve stem extensions		\$8,017.80	0	0	12/28/2012	SH
	04	12/20/11	Furnish 90' of 12" pipe and 40 Femco fittings		\$2,560.50	0	0	12/28/2011	SH
	05	12/21/11	Rental of a 6" pump and hoses for leachate handling		\$3,757.12	0	0	12/28/2011	SH
	06	12/21/11	Cuts and fills required to field fit the grading for the liner tie-in at the southwest corner of the closure construction limits		\$9,676.25	0	0	12/28/2011	SH
	07	03/01/12	Cuts and fills required to supply and install a 1" airline in lieu of relocating existing airline		\$6,625.00	0	0	3/13/2012	SH
	08	03/14/12	Additional surveying work for out of scope features		\$14,340.50	0	0	3/16/2012	SH
	09	03/15/12	Additional anchor trench required for northern and eastern tie-in		\$8,145.00	0	0	3/16/2012	SH
	10	03/15/12	Excavation work to access pre-existing smooth liner along northern tie-in		\$49,918.68	0	0	3/16/2012	SH
	11	03/15/12	Removal & disposal of pre-existing smooth liner along northern tie-in		\$18,982.60	0	0	3/16/2012	SH
	12	03/15/12	Install one Air System Isolation		\$2,500.00	0	0	3/16/2012	SH
	13	04/13/12	East and southeast culvert installation		\$32,263.19	0	0	4/16/2012	SH
	14	05/30/12	Additional remote wellhead installation		\$2,000.00	0	0	5/30/2012	SH
	15	07/13/12	Additional GFFR Installation		\$8,870.00	0	0	8/29/2012	SH
	16	08/08/12	Additional toe drain installation on North slope		\$12,901.62	0	0	8/9/2012	SH
	17	08/22/12	Additional toe drain installation on North slope		\$28,010.22	0	0	8/23/2012	SH
	18	10/16/12	South slope GFFR remediation		\$52,408.05	0	0	10/18/2012	SH
	19	09/13/12	Additional berm with toe drain installation on south slope		\$21,317.56	0	0	9/14/2012	SH
	20	09/21/12	Additional toe drain installation along roadside channel		\$19,143.64	0	0	10/1/2012	SH
	21	11/06/12	Additional South slope GFFR remediation		\$20,690.14	0	0	11/8/2012	SH
	22	11/12/12	Additional piping for East Slope drainage discharge to perimeter ditch		\$971.52	0	0	11/13/2012	SH
SUBTOTAL- COPs and Allowance Authorizations (Line Item #4)				-\$8,460.00	\$350,892.39	0	0		
PENDING:									
	2	11/12/12	Settlement Claim - Tropical Storm Beryl & Debby	\$107,128.09		30	30		
	3	11/15/12	Additional construction material testing & CQA	-\$5,156.00					
SUBTOTAL- Pending COPs and Allowance Authorizations (Line Item #4)				\$101,972.09	\$0.00	30	30		
TOTAL CHANGE ORDERS				\$93,512.09	\$350,892.39	30	30		

Original Contract Value	\$4,924,873.89	Allowance (Line Item #4)	\$600,000.00
Change Order(s)	\$93,512.09	Allowance Authorizations Approved	\$350,892.39
Total Contract Value	\$5,018,385.98	Remaining Supplemental Work Authorization Available:	\$249,107.61
		Pending Allowance Authorizations:	\$0.00

Date of Notice to Proceed:	7/11/2011
Contract Dates/Terms:	Contract Dates Extension Final Dates
Substantial Completion:	548 01/09/13 30 02/08/13
Final Completion:	45 02/23/13 30 03/25/13

Balance Available: \$249,107.61