
THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637

January 10, 2007

**Dept. of Environmental
Protection**

Subj: Quarter IV 2006 Radiological Analytical Report
Sumter County Closed Landfill
Sumter County, Florida
TCG Project No. P-331

JAN 12 2007

Southwest District

Dear Mr. Morris:

Attached please find laboratory results of analyses for gross alpha, radium 226 and radium 228 for the Quarter IV 2006 Groundwater Monitoring Report prepared for the Sumter County Closed Landfill. As you know, these analyses typically take much longer for the laboratory to complete as compared to other parameters sampled at the landfill and hence, we are submitting these results under separate cover. These results complete the laboratory report for the referenced sampling/reporting event at the landfill.

On review of the laboratory report, we find that all sample results for gross alpha, radium 226 and radium 228 are reported below respective Maximum Contaminant Levels specified in Chapter 62-550, F.A.C. The attached laboratory report is intended as an amendment to the Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter IV (November) 2006, dated December 2006 and previously submitted to the Department on behalf of Sumter County.

Very truly yours,
THE COLINAS GROUP, INC.

1/10/07 [Signature]

Richard L. Potts, Jr., P.G.
Principal Consultant
FL P.G. Reg. No. 1113

cc: Miriam Zimms (Kessler Consulting, Inc.)

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945



www.encolabs.com

Thursday, December 7, 2006

The Colinas Group (CO016)

Attn: Rick Potts

509 N. Virginia Ave.

Winter Park, FL 32789

**RE: Project Number: [none], Project Name/Desc: Sumter Co. Landfill
ENCO Workorder: A605885**

Dear Rick Potts,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, November 29, 2006.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "RWambles", is written over a horizontal line.

Ronald Wambles

Project Manager

Enclosure(s)



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407) 382-7744

Certification I. D. # E83033

Work Order #: 0611208

Report Date: 12/28/06

Report to:

Enco

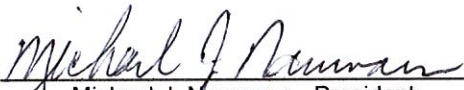
10775 Central Port Dr.

Orlando, FL 32824

Attention: Ronnie Wambles

I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and NELAC Standards.

Signed


Michael J. Naumann - President

Date

12-28-06



Florida Radiochemistry Services, Inc.

Sample Login

Client:	Enco - Orlando	Date / Time Received	Work order #
Client Contact:	Ronnie Wambles	11/30/06 09:00	0611208
Client P.O.			
Project I.D.	A605885		
Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
0611208-01	A605885-01 MW-4	06/15/06 09:10	Ga, Ra226, Ra228
0611208-02	A605885-02 MW-4A	06/15/06 09:56	Ga, Ra226, Ra228
0611208-03	A605885-03 MW-4B	06/15/06 10:44	Ga, Ra226, Ra228
0611208-04	A605885-04 MW-8	06/15/06 11:13	Ga, Ra226, Ra228
0611208-05	A605885-05 MW-9A	06/15/06 12:00	Ga, Ra226, Ra228
0611208-06	A605885-06 MW-10	06/15/06 12:39	Ga, Ra226, Ra228
0611208-07	A605885-07 EQB	06/15/06 13:00	Ga, Ra226, Ra228



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D. 0611208-01 0611208-02 0611208-03 0611208-04 0611208-05 0611208-06

Client I.D. A605885-01 A605885-02 A605885-03 A605885-04 A605885-05 A605885-06
MW-4 MW-4A MW-4B MW-8 MW-9A MW-10

Gross Alpha	8.0	1.7	5.4	1.7U	4.9	6.1
Error +/-	1.4	0.9	1.5	1.0	1.0	1.4
MDL	1.1	1.3	1.1	1.7	1.2	1.5
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	12/07/06	12/07/06	12/07/06	12/07/06	12/07/06	12/07/06
Analysis Date	12/08/06	12/08/06	12/08/06	12/08/06	12/08/06	12/08/06
Analyst	MJN	MJN	MJN	MJN	MJN	MJN

Radium 226	1.2	1.1	0.3	0.6	2.5	2.2
Error +/-	0.2	0.2	0.1	0.2	0.4	0.3
MDL	0.1	0.1	0.1	0.1	0.1	0.1
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	12/15/06	12/15/06	12/15/06	12/15/06	12/15/06	12/15/06
Analysis Date	12/27/06	12/27/06	12/27/06	12/27/06	12/27/06	12/27/06
Analyst	MJN	MJN	MJN	MJN	MJN	MJN

Radium 228	0.9U	0.9U	0.8U	0.7U	0.8U	0.7
Error +/-	0.6	0.6	0.5	0.5	0.5	0.5
MDL	0.9	0.9	0.8	0.7	0.8	0.7
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	12/15/06	12/15/06	12/15/06	12/15/06	12/15/06	12/15/06
Analysis Date	12/22/06	12/22/06	12/22/06	12/22/06	12/22/06	12/22/06
Analyst	PJ	PJ	PJ	PJ	PJ	PJ

Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l
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Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D. **0611208-07**

Client I.D. **A605885-07**
 EQB

Gross Alpha **0.7U**
Error +/- **0.4**
MDL **0.7**
EPA Method **900.0**
Prep Date **12/07/06**
Analysis Date **12/08/06**
Analyst **MJN**

Radium 226 **0.1**
Error +/- **0.1**
MDL **0.1**
EPA Method **903.1**
Prep Date **12/15/06**
Analysis Date **12/27/06**
Analyst **MJN**

Radium 228 **0.8U**
Error +/- **0.5**
MDL **0.8**
EPA Method **Ra-05**
Prep Date **12/15/06**
Analysis Date **12/22/06**
Analyst **PJ**

Units **pCi/l**



Florida Radiochemistry Services, Inc.

QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	0611208-03	12/08/06	5.4	10.2	11.6	12.9	61	10.6
Radium 226	0612101-01	12/27/06	1.2	25.2	25.3	25.5	96	0.8
Radium 228	0612101-01	12/22/06	1.5	7.6	9.3	9.2	103	1.1

	Quality	Control	Limits
	% RPD		% Rec.
Gross Alpha	22.1		61-117
Radium 226	20.2		77-125
Radium 228	22.8		75-125

SUBCONTRACT ORDER

ENCO Orlando

A605885

SENDING LABORATORY:

ENCO Orlando
10775 Central Port Drive
Orlando, FL 32824
Phone: 407.826.5314
Fax: 407.850.6945
Project Manager: Ronald Wambles

RECEIVING LABORATORY:

FL Rad-Chem
5456 Hoffner Ave, Suite 201
Orlando, FL 32812
Phone : (407) 382-7733
Fax: 999
Project State of Origin: FL

Analysis	Due	Expires	Laboratory ID	Comments
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MW-4	Ground Water	28-Nov-06 16:52	A605885-01	
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Radium 226	06-Dec-06 15:00	12-Dec-06 16:52
Radium 228	06-Dec-06 15:00	12-Dec-06 16:52
Gross Alpha	06-Dec-06 15:00	28-Nov-06 16:52

Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)
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MW-4A	Ground Water	28-Nov-06 16:02	A605885-02	
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Gross Alpha	06-Dec-06 15:00	28-Nov-06 16:02
Radium 226	06-Dec-06 15:00	12-Dec-06 16:02
Radium 228	06-Dec-06 15:00	12-Dec-06 16:02

Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)
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MW-4B	Ground Water	28-Nov-06 15:01	A605885-03	
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Gross Alpha	06-Dec-06 15:00	28-Nov-06 15:01
Radium 226	06-Dec-06 15:00	12-Dec-06 15:01
Radium 228	06-Dec-06 15:00	12-Dec-06 15:01

Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)
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MW-8	Ground Water	28-Nov-06 12:38	A605885-04	
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Radium 228	06-Dec-06 15:00	12-Dec-06 12:38
Radium 226	06-Dec-06 15:00	12-Dec-06 12:38
Gross Alpha	06-Dec-06 15:00	28-Nov-06 12:38

Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)
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Released By

Date

Received By

Date

Released By

Date

Received By

Date

SUBCONTRACT ORDER

ENCO Orlando

A605885

Analysis	Due	Expires	Laboratory ID	Comments
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MW-9A	Ground Water	28-Nov-06 11:17	A605885-05	
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Gross Alpha	06-Dec-06 15:00	28-Nov-06 11:17		
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Radium 226	06-Dec-06 15:00	12-Dec-06 11:17		
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Radium 228	06-Dec-06 15:00	12-Dec-06 11:17		
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Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)			
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MW-10	Ground Water	28-Nov-06 14:06	A605885-06	
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Gross Alpha	06-Dec-06 15:00	28-Nov-06 14:06		
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Radium 226	06-Dec-06 15:00	12-Dec-06 14:06		
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Radium 228	06-Dec-06 15:00	12-Dec-06 14:06		
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Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)			
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EQB	Ground Water	28-Nov-06 09:20	A605885-07	
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Radium 228	06-Dec-06 15:00	12-Dec-06 09:20		
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Gross Alpha	06-Dec-06 15:00	28-Nov-06 09:20		
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Radium 226	06-Dec-06 15:00	12-Dec-06 09:20		
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Containers Supplied:

1LP+HNO3 (A)	1LP+HNO3 (B)			
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Released By

Date

Received By

Date

Released By

Date

Received By

Date



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407) 382-7744

Certification I. D. # E83033

Work Order #: 0612009

Report Date: 12/29/06

Report to:

Enco


10775 Central Port Dr.

Orlando, FL 32824

Attention: Ronnie Wambles

I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and NELAC Standards.

Signed


Michael J. Naumann - President

Date 12-29-06

**Florida Radiochemistry Services, Inc.****Sample Login**

Client:	Enco - Orlando	Date / Time Received 12/04/06 09:59	Work order # 0612009
Client Contact:	Ronnie Wambles		
Client P.O.			
Project I.D.	A606038		
Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
0612009-01	A606038-01 MW-2	11/30/06 13:50	Ga, Ra226, Ra228
0612009-02	A606038-02 MW-6A	11/30/06 12:39	Ga, Ra226, Ra228
0612009-03	A606038-03 MW-11	11/30/06 15:03	Ga, Ra226, Ra228



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D.	0612009-01	0612009-02	0612009-03
Client I.D.	A606038-01 MW-2	A606038-02 MW-6A	A606038-03 MW-11
Gross Alpha	2.4	1.4U	12.1
Error +/-	1.3	1.0	1.5
MDL	1.4	1.4	1.0
EPA Method	900.0	900.0	900.0
Prep Date	12/11/06	12/11/06	12/11/06
Analysis Date	12/12/06	12/12/06	12/12/06
Analyst	MJN	MJN	MJN
Radium 226	0.4	0.8	2.7
Error +/-	0.1	0.2	0.2
MDL	0.1	0.2	0.1
EPA Method	903.1	903.1	903.1
Prep Date	12/18/06	12/18/06	12/18/06
Analysis Date	12/28/06	12/28/06	12/28/06
Analyst	MJN	MJN	MJN
Radium 228	1.0U	1.0U	1.2
Error +/-	0.7	0.7	0.7
MDL	1.0	1.0	1.0
EPA Method	Ra-05	Ra-05	Ra-05
Prep Date	12/18/06	12/18/06	12/18/06
Analysis Date	12/28/06	12/28/06	12/28/06
Analyst	PJ	PJ	
Units	pCi/l	pCi/l	pCi/l



Florida Radiochemistry Services, Inc.

QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	0612010-02	12/12/06	2.6	10.2	11.2	10.2	84	9.3
Radium 226	0612045-03	12/28/06	1.8	25.2	30.0	27.1	112	10.2
Radium 228	0612045-03	12/28/06	<1.0	7.6	9.3	9.9	122	6.3

	Quality	Control	Limits
	% RPD		% Rec.
Gross Alpha	22.1		61-117
Radium 226	20.2		77-125
Radium 228	22.8		75-125

SUBCONTRACT ORDER

ENCO Orlando

A606038

SENDING LABORATORY:

ENCO Orlando
 10775 Central Port Drive
 Orlando, FL 32824
 Phone: 407.826.5314
 Fax: 407.850.6945
 Project Manager: Ronald Wambles

RECEIVING LABORATORY:

FL Rad-Chem
 5456 Hoffner Ave, Suite 201
 Orlando, FL 32812
 Phone: (407) 382-7733
 Fax: 999
 Project State of Origin: FL

Analysis	Due	Expires	Laboratory ID	Comments
MW-2	Ground Water	30-Nov-06 13:50		
Radium 228	08-Dec-06 15:00	14-Dec-06 13:50		
Radium 226	08-Dec-06 15:00	14-Dec-06 13:50		
Gross Alpha	08-Dec-06 15:00	30-Nov-06 13:50		
Containers Supplied:				
1LP+HNO3 (A)	1LP+HNO3 (B)			
MW-6A	Ground Water	30-Nov-06 12:39		
Radium 228	08-Dec-06 15:00	14-Dec-06 12:39		
Radium 226	08-Dec-06 15:00	14-Dec-06 12:39		
Gross Alpha	08-Dec-06 15:00	30-Nov-06 12:39		
Containers Supplied:				
1LP+HNO3 (A)	1LP+HNO3 (B)			
MW-11	Ground Water	30-Nov-06 15:03		
Radium 228	08-Dec-06 15:00	14-Dec-06 15:03		
Radium 226	08-Dec-06 15:00	14-Dec-06 15:03		
Gross Alpha	08-Dec-06 15:00	30-Nov-06 15:03		
Containers Supplied:				
1LP+HNO3 (A)	1LP+HNO3 (B)			

Released By

Date

Received By

Date

Released By

Date

Received By

Date