

MRR Southern, LLC
2005 Rolling Road
Greensboro, NC 27403
Phone (336) 230-0896 Fax (336) 378-1945

92-31
PERMIT
MOD #1
PTU 2/18/05
RAL. REG. OFFICE
COPY

March 25, 2004

Mr. Jim Barber, Head
Permitting Branch
Solid Waste Section
DENR-Division of Waste Management
1614 Mail Service Center
Raleigh, NC 27699-1646



**RE: Material Recovery, LLC C&D Landfill
Wake County, NC, Permit No. 92-31
Request to Remove Site Soils**

Dear Jim,

The purpose of this letter is to request approval from the Solid Waste Section to haul a portion of our facility's stockpiled soils to a location off site. As you are aware, in response to a general concern regarding nitrate concentrations in the area soils Material Recovery, LLC was required to submit a *Soil Management Plan* for our facility. In accordance with the referenced plan, dated April 9, 2003, on-site soils that are known to be impacted with nitrates at concentrations above 10 parts per million (ppm) will remain onsite.

On March 5, 2004 five composite soil samples were collected from specific areas of our soil stockpile area. A schematic is attached which shows the approximate location of the samples. Each composite sample consisted of four soil collection points with soils collected between the depths of 1.0 and 3.0 feet below ground surface. The collection points were taken at varying side-slope and crest elevations so as to be representative of several lifts of soil within the respective sample areas. Laboratory analyses for the samples are attached to this letter and are summarized as follows:

Sample Identification	Nitrate Concentration	Comments
Soil # 1	110 parts per million	Soils to remain on site
Soil # 2	29 parts per million	Soils to remain on site
Soil # 3	78 parts per million	Soils to remain on site
Soil # 4	6.1 parts per million	Soils may be removed
Soil # 5	3.4 parts per million	Soils may be removed

The above analytical results are consistent with site construction observations. That is, that the area represented by samples 4 and 5 is the area where excess soils from the sedimentation pond excavation were deposited. The area of the pond is largely outside of the preexisting agricultural fields where biosolids were deposited.

Mr. Jim Barber
March 25, 2004
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Given the above results we are proposing to remove soil from within the areas associated with soil samples 4 and 5, as outlined on the attached drawing. Please contact me by phone at 336-230-0896 or email danmoore@triad.rr.com if you have any questions or concerns related to this request.

Sincerely,
MRR Southern, LLC



Daniel R. Moore, P.G.
Environmental Manager

Attachments: *Schematic Showing Soil Sample Locations*
Laboratory Analysis Data Sheets for Soil Samples

c: F. Norbert Hector, Jr., Managing Member
Christopher T. Roof, General Manager
Wilbert Carter, Landfill Manager

Environmental Conservation Laboratories, Inc.
1015 Passport Way
Cary, North Carolina 27513-2042
919 / 677-1669
Fax 919 / 677-9846
www.encolabs.com



CLIENT : Materials Recovery and Reclamation REPORT # : CRY15375
ADDRESS: 2005 Rolling Road DATE SUBMITTED: March 5, 2004
Greensboro, NC 27403 DATE REPORTED : March 12, 2004

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ATTENTION: Mr. Dan Moore

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: MRR WAKE COUNTY

MRR WAKE COUNTY

03/05/04

CRY15375-1 : SOIL #1 @ 12:45
CRY15375-2 : SOIL #2 @ 12:30
CRY15375-3 : SOIL #3 @ 12:40
CRY15375-4 : SOIL #4 @ 12:50
CRY15375-5 : SOIL #5 @ 13:00

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAP Standards (May, 2001). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

Note: Analytical values are reported on a dry weight basis.

A handwritten signature in black ink that reads "Chuck Smith". The signature is written in a cursive style with large, overlapping loops.

PROJECT MANAGER

Chuck Smith

ENCO LABORATORIES

REPORT # : CRY15375
DATE REPORTED: March 12, 2004
REFERENCE : MRR WAKE COUNTY
PROJECT NAME : MRR WAKE COUNTY

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RESULTS OF ANALYSIS

MPA METHOD 9056 -
anions by IC

	<u>SOIL #1</u>	<u>SOIL #2</u>	<u>Units</u>
Nitrate-N	110	29	mg/Kg
Date Analyzed	03/12/04 14:31	03/12/04 12:28	

MISCELLANEOUS

	<u>METHOD</u>	<u>SOIL #1</u>	<u>SOIL #2</u>	<u>Units</u>
Percent Solids	ENCO WETS	72 81	91	%
Date Analyzed		03/10/04 18:12	03/10/04 18:12	

ENCO LABORATORIES

REPORT # : CRY15375
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RESULTS OF ANALYSIS

IPA METHOD 9056 -
anions by IC

	<u>SOIL #3</u>	<u>SOIL #4</u>	<u>Units</u>
Nitrate-N	78	6.1	mg/Kg
Date Analyzed	03/12/04 14:52	03/12/04 13:09	

MISCELLANEOUS

	<u>METHOD</u>	<u>SOIL #3</u>	<u>SOIL #4</u>	<u>Units</u>
Percent Solids	ENCO WETS	72 82	86	%
Date Analyzed		03/10/04 18:12	03/10/04 18:12	

ENCO LABORATORIES

REPORT # : CRY15375
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 PROJECT NAME : MRR WAKE COUNTY

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RESULTS OF ANALYSIS

IPA METHOD 9056 -
anions by IC

	<u>SOIL #5</u>	<u>LAB BLANK</u>	<u>Units</u>
Nitrate-N	3.4 J	1.0 U	mg/Kg
Date Analyzed	03/12/04 13:30	03/12/04 10:05	

MISCELLANEOUS

	<u>METHOD</u>	<u>SOIL #5</u>	<u>LAB BLANK</u>	<u>Units</u>
Percent Solids	ENCO WETS 72	85	NR	%
Date Analyzed		03/10/04 18:12		

R = Analysis not requested for this sample.
 U = Compound was analyzed for but not detected to the level shown.
 J = Analyte detected; value is between the Method Detection Level (MDL)
 and the Method Quantitation Level (MQL).

ENCO LABORATORIES

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LABORATORY CERTIFICATIONS

Laboratory Certification: NCDENR:591

All analyses reported with this project were analyzed by the facility indicated unless identified below.

PARAMETER

Nitrate, SW-846 Method 9056
Total Solids, ENCO WETS 72

LAB CERT #'s

NCDENR:424
NCDENR:424

ENCO LABORATORIES

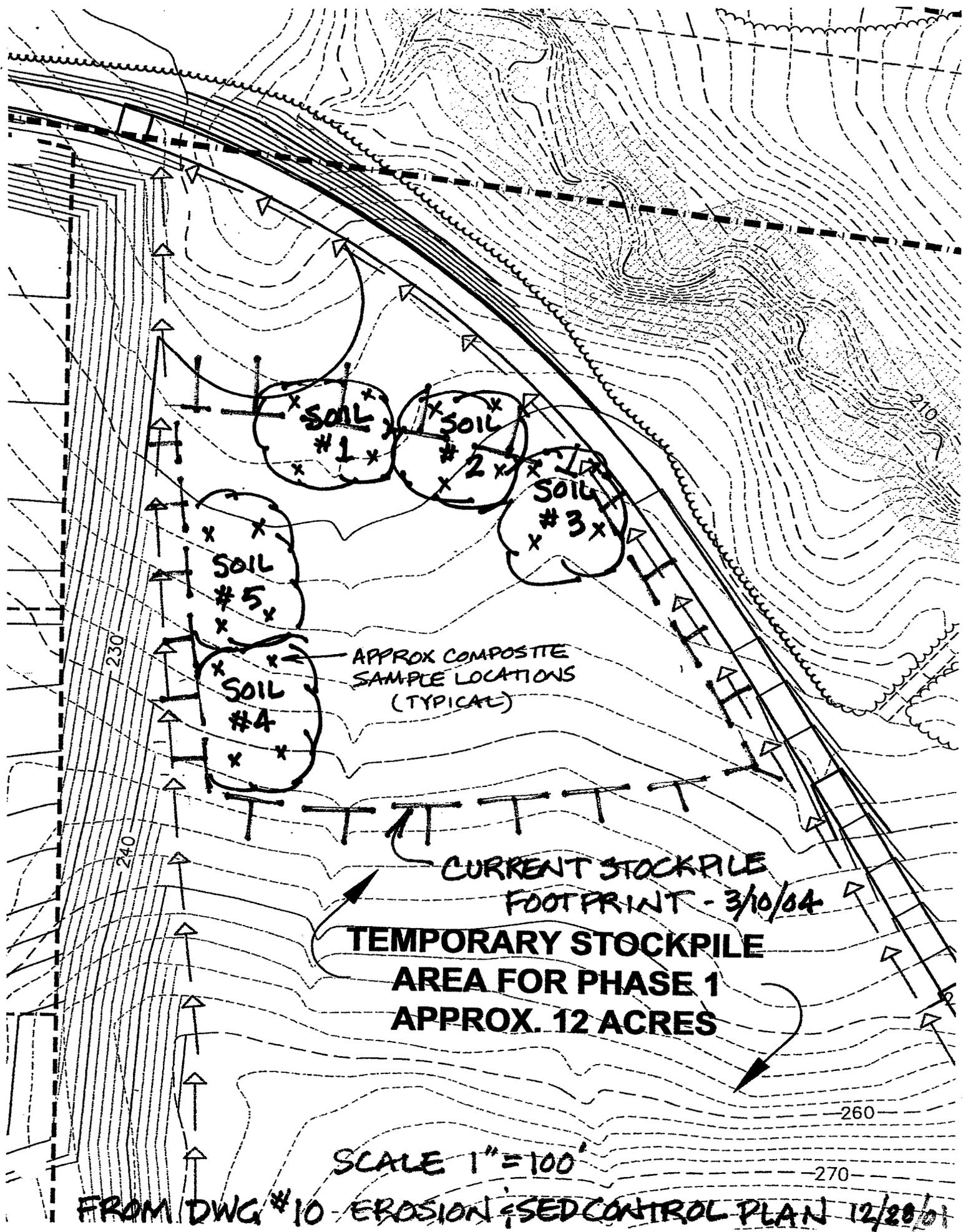
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QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY</u> <u>LCS/MS/MSD</u>	<u>LCS</u> <u>LIMITS</u>	<u>MS/MSD</u> <u>LIMITS</u>	<u>RPD</u> <u>MS/MSD</u>	<u>RPD</u> <u>LIMITS</u>
EPA Method 9056 Nitrate-N	99/ 99/ 95	90-110	57-147	4	23

= Less Than
IS = Matrix Spike
ISD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference



SOIL #1

SOIL #2

SOIL #3

SOIL #5

SOIL #4

APPROX COMPOSITE
SAMPLE LOCATIONS
(TYPICAL)

CURRENT STOCKPILE
FOOTPRINT - 3/10/04

TEMPORARY STOCKPILE
AREA FOR PHASE 1
APPROX. 12 ACRES

SCALE 1" = 100'

FROM DWG #10 - EROSION CONTROL PLAN 12/20/01



ENVIR(MENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
 Jacksonville, Florida 32216-6069
 Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
 Orlando, Florida 32824-8529
 Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
 Cary, North Carolina 27513
 Ph. (919) 677-1669 • Fax (919) 677-9846

CHAIN OF CUSTODY RECORD

ENCO CompQAP No.: 960038G/0

PROJECT REFERENCE		PROJECT NO.	RO. NUMBER	REQUIRED ANALYSIS		PAGE	OF		
MRR Wake County				NITRATE		1	1		
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX	MATRIX TYPE					
NC	Dan Moore	336 253 0091		OTHER					
CLIENT NAME	CLIENT PROJECT MANAGER			SLUDGE					
MRR Southern, LLC	D. Moore			AIR					
CLIENT ADDRESS (CITY, STATE, ZIP)				NONAQUEOUS LIQUID (oil, solvent, etc.)					
2005 Rolling Rd, Greensboro, NC 27403				SOIL/SOLID/SEDIMENT					
				DRINKING WATER					
				WASTEWATER					
				GROUND WATER					
				SURFACE WATER					
STATION	DATE	TIME	GRAB	COMP.	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	PREPERSATIVE	REMARKS	
1	3:5:04	12:45	X		Soil #1	X			
2		12:30			Soil #2				
3		12:40			Soil #3				
4		12:50			Soil #4				
5		1:00			Soil #5				
0									
1									
2									
3									
4									
SAMPLE KIT PREPARED BY:		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
CARYSONVILLE <input type="checkbox"/> ORLANDO <input type="checkbox"/> CARY									
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Dan Moore		3:5:04	1:30	Byron Sporn	3/5/04	14:30			
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS			
Byron Sporn		3/5/04	15:00	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CR15375				

STANDARD REPORT DELIVERY
 EXPEDITED REPORT DELIVERY (surcharge)

Date Due: