

Main (1) 57-05

2004

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57052004



Macon Co.
Compost Permit 57-05

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

May 12, 2004

Mr. Nelson Bates
B & B Concrete
1629 Georgia Road
Franklin, NC 28734

57-05

Received
MAY 2004
Waste
Management

RE: Lab Project Number: 9266375
Client Project ID: SOIL SAMPLE

Dear Mr. Bates:

Enclosed are the analytical results for sample(s) received by the laboratory on May 5, 2004. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Tom Williams
Tom.Williams@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC Environmental 99030
FL NELAP E87648



Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627



Pace Analytical Services, Inc.
 2225 Riverside Drive
 Asheville, NC 28804
 Phone: 828.254.7176
 Fax: 828.252.4618

Lab Project Number: 9266375
 Client Project ID: SOIL SAMPLE

Solid results are reported on a dry weight basis

Lab Sample No: 924198005 Project Sample Number: 9266375-001 Date Collected: 05/05/04 08:30
 Client Sample ID: SOIL SAMPLE Matrix: Soil Date Received: 05/05/04 10:45

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Fecal Coliform MPN Solid	Method: SM 9221B/E							
Coliform, Fecal	45.45			05/05/04 13:40	MMG			
Wet Chemistry								
Percent Moisture	Method: % Moisture							
Percent Moisture	51.6	%		05/06/04 08:30	KDF			

Date: 05/12/04

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PARAMETER FOOTNOTES

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville Laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

Method 9071B modified to use ASE.

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit

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QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference

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B&B CONCRETE PRODUCTS, INC.

1687 GEORGIA ROAD
FRANKLIN NC 28734

PH. 828-524-6483 FAX 828 524 5194

*compost facility
J. Pe
Macon Co.
57*

April 12, 2004

Mr. Ted Lyons
Division of Solid Waste Management
401 Oberlin Road - Suite 150
Raleigh NC 27605

Dear Mr. Lyons:

We are listing below information on composting project:

June 6, 2003	24 yds. wood waste 12 yds. rest. grease	142 degree ave. temperature pile turned 7 times.
August 1, 2003	24 yds. wood waste 12 yds. rest. grease	142 degree ave. temperature pile turned 5 times.
September 12, '03	24 yds. wood waste 12 yds. rest. grease	137 degree ave. temperature pile turned 5 times.
October 20, '03	30 yds. wood waste 15 yds. rest. grease	135 degree ave. temperature pile turned 5 times.
December 16, '03	20 yds. wood waste 10 yds. rest. grease	135 degree ave. temperatue pile turned 5 times.

Enclosing copy of Pace Analytical report.

Sincerely,

B&B CONCRETE PRODUCTS, INC.

Nelson Bates
Nelson W. Bates, Pres.

NWB/wv

CC: Mr. Jim Patterson, 59 Woodfin Place, Asheville, NC 28801



Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

April 02, 2004

Mr. Nelson Bates
B & B Concrete
1629 Georgia Road
Franklin, NC 28734

RE: Lab Project Number: 9263101
Client Project ID: Compost sample

Dear Mr. Bates:

Enclosed are the analytical results for sample(s) received by the laboratory on March 24, 2004. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

Tom Williams
Tom.Williams@pacelabs.com
Project Manager

Enclosures

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SC 99006
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Lab Project Number: 9263101
Client Project ID: Compost sample

Solid results are reported on a dry weight basis

Lab Sample No: 924020811 Project Sample Number: 9263101-001 Date Collected: 03/24/04 10:00
Client Sample ID: COMPOST Matrix: Soil Date Received: 03/24/04 13:44

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	ReqLmt
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Microbiology

Fecal Coliform MPN Solid Coliform, Fecal	Method: SM 9221B/E			03/25/04	MMG			
	>343.35							

Metals

Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010							
Arsenic	1.3	mg/kg	1.0	04/01/04 20:51	LBG	7440-38-2		
Cadmium	ND	mg/kg	0.21	04/01/04 20:51	LBG	7440-43-9		
Chromium	9.7	mg/kg	0.41	04/01/04 20:51	LBG	7440-47-3		
Copper	37.	mg/kg	0.41	04/01/04 20:51	LBG	7440-50-8		
Lead	8.7	mg/kg	1.0	04/01/04 20:51	LBG	7439-92-1		
Nickel	5.1	mg/kg	1.0	04/01/04 20:51	LBG	7440-02-0		
Selenium	ND	mg/kg	1.0	04/01/04 20:51	LBG	7782-49-2		
Zinc	100	mg/kg	2.1	04/01/04 20:51	LBG	7440-66-6		
Date Digested	03/30/04			03/30/04				

Mercury, CVAAS, in Soil	Method: EPA 7471							
Mercury	0.20	mg/kg	0.0098	03/30/04	ALV	7439-97-6		

Wet Chemistry

Percent Moisture	Method: % Moisture							
Percent Moisture	53.4	%		03/26/04 14:01	DHW			

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Lab Project Number: 9263101
Client Project ID: Compost sample

PARAMETER FOOTNOTES

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

ND Not detected at or above adjusted reporting limit
NC Not Calculable
J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL Adjusted Method Detection Limit

Date: 04/02/04

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QUALITY CONTROL DATA

Lab Project Number: 9263101
Client Project ID: Compost sample

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 924043045 924043052

Parameter	Units	924027238	Spike	MS	MSD	MS	MSD	RPD	Footnotes
		Result	Conc.	Result	Result	% Rec	% Rec		
Copper	mg/kg	4.781	58.07	67.13	74.26	107	111	10	
Lead	mg/kg	9.597	58.07	70.04	75.64	104	105	8	
Nickel	mg/kg	0.8698	58.07	62.02	66.73	105	105	7	
Selenium	mg/kg	0	58.07	21.60	14.05	37	22	42	1.1.2
Zinc	mg/kg	2.083	58.07	63.07	68.36	105	106	8	

SAMPLE DUPLICATE: 924043060

Parameter	Units	924027246	DUP	RPD	Footnotes
		Result	Result		
Arsenic	mg/kg	5.700	1.500	119	2
Cadmium	mg/kg	ND	ND	NC	
Chromium	mg/kg	620.0	290.0	72	2
Copper	mg/kg	420.0	270.0	43	2
Lead	mg/kg	12.00	7.800	41	2
Nickel	mg/kg	2.700	2.400	12	
Selenium	mg/kg	ND	ND	NC	
Zinc	mg/kg	5.300	3.800	34	

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Lab Project Number: 9263101
Client Project ID: Compost sample

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

- LCS(D) Laboratory Control Sample (Duplicate)
- MS(D) Matrix Spike (Duplicate)
- DUP Sample Duplicate
- ND Not detected at or above adjusted reporting limit
- NC Not Calculable
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
- MDL Adjusted Method Detection Limit
- RPD Relative Percent Difference
- [1] The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
- [2] The calculated RPD was outside QC acceptance limits.

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