Pace Analytical Services, Inc.
6701 Conference Drive
Raleigh, NC 27607
(919)834-4984

SAMPLE SUMMARY

Project: COMPOST SAMPLE
Pace Project No.: 92127825

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92127825001	COMPOST	Solid	08/14/12 09:35	08/14/12 11:02

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SAMPLE ANALYTE COUNT

Project: COMPOST SAMPLE
Pace Project No.: 92127825

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92127825001	COMPOST	EPA 6010	JDA	6
		EPA 7471	SHB	1
		ASTM D2974-87	TNM	1
		SM9221C E (MPN) 503	EPJ	1

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ANALYTICAL RESULTS

Project: COMPOST SAMPLE
Pace Project No.: 92127825

Sample: COMPOST **Lab ID: 92127825001** Collected: 08/14/12 09:35 Received: 08/14/12 11:02 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	0.77	1	08/17/12 06:00	08/17/12 21:24	7440-38-2	
Cadmium	ND	mg/kg	0.15	1	08/17/12 06:00	08/17/12 21:24	7440-43-9	
Copper	**43.6**	mg/kg	0.77	1	08/17/12 06:00	08/17/12 21:24	7440-50-8	
Nickel	**1.9**	mg/kg	0.77	1	08/17/12 06:00	08/17/12 21:24	7440-02-0	
Selenium	**2.2**	mg/kg	1.5	1	08/17/12 06:00	08/17/12 21:24	7782-49-2	
Zinc	**110**	mg/kg	1.5	1	08/17/12 06:00	08/17/12 21:24	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0074	1	08/18/12 15:55	08/20/12 13:31	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**36.5**	%	0.10	1		08/16/12 08:01		
9221CE Fecal Coliform, MPN RAL	Analytical Method: SM9221C E (MPN) 503							
Fecal Coliforms, MPN	**<221**	MPN/100mL		1		08/15/12 09:01		

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QUALITY CONTROL DATA

Project: COMPOST SAMPLE
Pace Project No.: 92127825

QC Batch: MERP/4450
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 92127825001

METHOD BLANK: 817572
Matrix: Solid
Associated Lab Samples: 92127825001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	08/20/12 12:52	

LABORATORY CONTROL SAMPLE: 817573

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.057	85	80-120	

MATRIX SPIKE SAMPLE: 817574

Parameter	Units	92126722005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.071	.082	0.14	86	75-125	

SAMPLE DUPLICATE: 817575

Parameter	Units	92127618001 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	ND	0.0044		20	

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QUALITY CONTROL DATA

Project: COMPOST SAMPLE
Pace Project No.: 92127825

QC Batch: MPRP/11294 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 92127825001

METHOD BLANK: 816694 | Matrix: Solid
Associated Lab Samples: 92127825001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	08/17/12 20:42	
Cadmium	mg/kg	ND	0.10	08/17/12 20:42	
Copper	mg/kg	ND	0.50	08/17/12 20:42	
Nickel	mg/kg	ND	0.50	08/17/12 20:42	
Selenium	mg/kg	ND	1.0	08/17/12 20:42	
Zinc	mg/kg	ND	1.0	08/17/12 20:42	

LABORATORY CONTROL SAMPLE: 816695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	48.5	97	80-120	
Cadmium	mg/kg	50	49.3	99	80-120	
Copper	mg/kg	50	48.1	96	80-120	
Nickel	mg/kg	50	48.4	97	80-120	
Selenium	mg/kg	50	48.1	96	80-120	
Zinc	mg/kg	50	49.4	99	80-120	

MATRIX SPIKE SAMPLE: 816696

Parameter	Units	92126722005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	1.1	61.3	10.2	15	75-125	M1
Cadmium	mg/kg	ND	61.3	59.0	96	75-125	
Copper	mg/kg	6.2	61.3	68.7	102	75-125	
Nickel	mg/kg	ND	61.3	58.4	95	75-125	
Selenium	mg/kg	ND	61.3	13.7	22	75-125	M1
Zinc	mg/kg	10.3	61.3	74.2	104	75-125	

SAMPLE DUPLICATE: 816698

Parameter	Units	92127618001 Result	Dup Result	RPD	Max RPD	Qualifiers
Arsenic	mg/kg	ND	ND		20	
Cadmium	mg/kg	ND	ND		20	
Copper	mg/kg	ND	.076J		20	
Nickel	mg/kg	2.20 ug/g	2.2	2	20	
Selenium	mg/kg	2.52 ug/g	3.3	26	20	D6
Zinc	mg/kg	ND	ND		20	

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QUALITY CONTROL DATA

Project: COMPOST SAMPLE
Pace Project No.: 92127825

QC Batch: PMST/4934
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92127825001

SAMPLE DUPLICATE: 815416

Parameter	Units	92127282001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	98.0	98.0	0	25	

SAMPLE DUPLICATE: 815417

Parameter	Units	92127878006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	96.9	97.0	0	25	

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QUALITY CONTROL DATA

Project: COMPOST SAMPLE
Pace Project No.: 92127825

QC Batch: RBIO/1202
QC Batch Method: SM9221C E (MPN) 503
Analysis Method: SM9221C E (MPN) 503
Analysis Description: 9221CE Fecal Coliform, MPN Solid
Associated Lab Samples: 92127825001

METHOD BLANK: 818412
Matrix: Solid
Associated Lab Samples: 92127825001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms, MPN	MPN/100mL	Absent		08/15/12 09:01	

SAMPLE DUPLICATE: 818413

Parameter	Units	92127825001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms, MPN	MPN/100mL	<221	<221			

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QUALIFIERS

Project: COMPOST SAMPLE
Pace Project No.: 92127825

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COMPOST SAMPLE
Pace Project No.: 92127825

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92127825001	COMPOST	EPA 3050	MPRP/11294	EPA 6010	ICP/10362
92127825001	COMPOST	EPA 7471	MERP/4450	EPA 7471	MERC/4362
92127825001	COMPOST	ASTM D2974-87	PMST/4934		
92127825001	COMPOST	SM9221C E (MPN) 503	RBIO/1202		

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SAMPLE SUMMARY

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92145022001	**BIN E**	Solid	01/16/13 09:05	01/16/13 11:13

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SAMPLE ANALYTE COUNT

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92145022001	BIN E	EPA 6010	JMW, SH1	6
		EPA 7471	SH1	1
		ASTM D2974-87	TNM	1
		SM9221C E (MPN) 503	EPJ	1

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ANALYTICAL RESULTS

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

Sample: BIN E **Lab ID: 92145022001** Collected: 01/16/13 09:05 Received: 01/16/13 11:13 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	1.5	1	01/24/13 13:00	01/25/13 02:09	7440-38-2	
Cadmium	**0.22**	mg/kg	0.15	1	01/24/13 13:00	01/25/13 02:09	7440-43-9	
Copper	**34.6**	mg/kg	0.77	1	01/24/13 13:00	01/27/13 18:15	7440-50-8	
Nickel	**1.5**	mg/kg	0.77	1	01/24/13 13:00	01/25/13 02:09	7440-02-0	
Selenium	ND	mg/kg	1.5	1	01/24/13 13:00	01/25/13 02:09	7782-49-2	
Zinc	**101**	mg/kg	1.5	1	01/24/13 13:00	01/25/13 02:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0079	1	01/26/13 11:50	01/26/13 15:46	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**44.3**	%	0.10	1		01/19/13 10:54		
9221CE Fecal Coliform, MPN RAL	Analytical Method: SM9221C E (MPN) 503							
Fecal Coliforms, MPN	**3.2**	MPN/g	0.018	1		01/16/13 14:38		1g

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QUALITY CONTROL DATA

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

QC Batch: MERP/4863 | Analysis Method: EPA 7471
QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury
Associated Lab Samples: 92145022001

METHOD BLANK: 910759 | Matrix: Solid
Associated Lab Samples: 92145022001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	01/26/13 15:33	

LABORATORY CONTROL SAMPLE: 910760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.072	108	80-120	

MATRIX SPIKE SAMPLE: 910761

Parameter	Units	92145507006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.022	.069	0.094	105	75-125	

SAMPLE DUPLICATE: 910762

Parameter	Units	92145507007 Result	Dup Result	RPD	Max RPD	Qualifiers
Mercury	mg/kg	0.022	0.025	9	20	

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QUALITY CONTROL DATA

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

QC Batch: PMST/5255
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92145022001

SAMPLE DUPLICATE: 908050

Parameter	Units	92145391001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.9	4.6	5	25	

SAMPLE DUPLICATE: 908051

Parameter	Units	92145350001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	52.2	51.2	2	25	

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QUALITY CONTROL DATA

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

QC Batch: RBIO/2024 | Analysis Method: SM9221C E (MPN) 503
QC Batch Method: SM9221C E (MPN) 503 | Analysis Description: 9221CE Fecal Coliform, MPN Solid
Associated Lab Samples: 92145022001

METHOD BLANK: 908879 | Matrix: Solid
Associated Lab Samples: 92145022001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms, MPN	MPN/g	ND	0.010	01/16/13 14:38	

SAMPLE DUPLICATE: 908880

Parameter	Units	92145022001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms, MPN	MPN/g	3.2	3.2	0		1g

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QUALIFIERS

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

ANALYTE QUALIFIERS

1g	This is a less than value.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Semi-Annual Compost Test
Pace Project No.: 92145022

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92145022001	**BIN E**	EPA 3050	MPRP/12451	EPA 6010	ICP/11366
92145022001	**BIN E**	EPA 7471	MERP/4863	EPA 7471	MERC/4743
92145022001	**BIN E**	ASTM D2974-87	PMST/5255		
92145022001	**BIN E**	SM9221C E (MPN) 503	RBIO/2024		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

1550770

Section A Required Client Information:

Company: CALEDONIA CORRECTIONAL
Address: 2787 CALEDONIA DR
TILLERY NC 27887
Email To: STEVEN.MOORE@NCDPS.GOV
Phone: 252-826-5621 Fax: 252-826-4146
Requested Due Date/TAT:

Section B Required Project Information:

Report To: JOEL STEPHENSON
Copy To:
Purchase Order No.: 4689668
Project Name: SEMI-ANNUAL COMPOST TEST
Project Number:

Section C Invoice Information:

Attention: KATHY ALSTON
Company Name: NCDPS
Address: 2787 CALEDONIA DR. TILLERY NC
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER NCDENR

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	METALS (6010/7471)	FECAL COLIFORM	DRY WEIGHT	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BINE	SL	G			1/16/13	9:05		3										X	X	X		001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

92145022

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Joel Stephenson	1/16/2013	1:13 PM	Pace	1/16/13	1113	4.9	y	n	y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: JOEL STEPHENSON
SIGNATURE of SAMPLER: Joel Stephenson DATE Signed (MM/DD/YY): 01/16/2013

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical www.pacelabs.com	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: May 30, 2011 Page 1 of 2
	Document No.: F-RAL-CS-001-rev.00	Issuing Authorities: Pace Asheville Quality Office

Client Name: Caledonia Project # 92145022

Where Received: ☐ Huntersville ☐ Asheville ☐ Eden ☑ Raleigh

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other ____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other ____

Circle Thermometer Used: IR Gun SN: IR-3 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun Back Up SN: ____

Temp Correction Factor: Add / Subtract ____ C

Corrected Cooler Temp.: 4 C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: ____

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	initial when completed
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: ____ Date/Time: ____

Comments/ Resolution: ____

SCURF Review: [signature] Date: 1/16/13 SRF Review: [signature] Date: 1/16/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
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June 26, 2013

Joel Stephenson
Caledonia Prison
P.O. Box 137
Tillery, NC 27887

RE: Project: Semi Annual Compost Test
Pace Project No.: 92161807

Dear Joel Stephenson:
Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2013. The results relate only to the samples included in this report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, Inc.
6701 Conference Drive
Raleigh, NC 27607
(919)834-4984

CERTIFICATIONS

Project: Semi Annual Compost Test
Pace Project No.: 92161807

Raleigh Certification IDs
6701 Conference Drive Raleigh, NC 27607
North Carolina Wastewater Certification #: 67
North Carolina Bioassay Certification #: 16
North Carolina Drinking Water Certification #: 37731

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: Semi Annual Compost Test
Pace Project No.: 92161807

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92161807001	BIN A	Solid	06/18/13 08:35	06/18/13 10:43

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SAMPLE ANALYTE COUNT

Project: Semi Annual Compost Test
Pace Project No.: 92161807

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92161807001	BIN A	EPA 6010	JMW	6
		EPA 7471	SH1	1
		ASTM D2974-87	JEA	1
		SM9221C E (MPN) 503	NAW	1

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ANALYTICAL RESULTS

Project: Semi Annual Compost Test
Pace Project No.: 92161807

Sample: BIN A **Lab ID: 92161807001** Collected: 06/18/13 08:35 Received: 06/18/13 10:43 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**1.5**	mg/kg	0.94	1	06/21/13 22:30	06/24/13 16:34	7440-38-2	
Cadmium	ND	mg/kg	0.094	1	06/21/13 22:30	06/24/13 16:34	7440-43-9	
Copper	**26.6**	mg/kg	0.47	1	06/21/13 22:30	06/24/13 16:34	7440-50-8	
Nickel	**1.4**	mg/kg	0.47	1	06/21/13 22:30	06/24/13 16:34	7440-02-0	
Selenium	**1.7**	mg/kg	0.94	1	06/21/13 22:30	06/24/13 16:34	7782-49-2	
Zinc	**91.1**	mg/kg	0.94	1	06/21/13 22:30	06/24/13 16:34	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	ND	mg/kg	0.0061	1	06/24/13 15:25	06/25/13 15:14	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**22.9**	%	0.10	1		06/25/13 08:00		
9221CE Fecal Coliform, MPN RAL	Analytical Method: SM9221C E (MPN) 503							
Fecal Coliforms, MPN	**2070**	MPN/g	0.013	1		06/18/13 12:51		1g

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QUALITY CONTROL DATA

Project: Semi Annual Compost Test
Pace Project No.: 92161807

QC Batch: MERP/5309
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 92161807001

METHOD BLANK: 997914
Matrix: Solid
Associated Lab Samples: 92161807001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.0050	06/25/13 14:23	

LABORATORY CONTROL SAMPLE: 997915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.067	0.069	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 997916 997917

Parameter	Units	92162361001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0076	.067	.043	0.074	0.045	99	89	75-125	48	20	R1

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QUALITY CONTROL DATA

Project: Semi Annual Compost Test
Pace Project No.: 92161807

QC Batch: MPRP/13613 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 92161807001

METHOD BLANK: 997630 | Matrix: Solid
Associated Lab Samples: 92161807001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	06/24/13 15:47	
Cadmium	mg/kg	ND	0.10	06/24/13 15:47	
Copper	mg/kg	ND	0.50	06/24/13 15:47	
Nickel	mg/kg	ND	0.50	06/24/13 15:47	
Selenium	mg/kg	ND	1.0	06/24/13 15:47	
Zinc	mg/kg	ND	1.0	06/24/13 15:47	

LABORATORY CONTROL SAMPLE: 997631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.5	99	80-120	
Cadmium	mg/kg	50	49.5	99	80-120	
Copper	mg/kg	50	49.3	99	80-120	
Nickel	mg/kg	50	50.9	102	80-120	
Selenium	mg/kg	50	49.4	99	80-120	
Zinc	mg/kg	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 997632 997633

Parameter	Units	92162176002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	ND	57.8	47.3	47.9	34.8	82	72	75-125	32	20	M1,R1
Cadmium	mg/kg	2.2	57.8	47.3	51.6	42.1	85	84	75-125	20	20	
Copper	mg/kg	48.0	57.8	47.3	101	95.2	92	100	75-125	6	20	
Nickel	mg/kg	30.3	57.8	47.3	71.9	65.2	72	74	75-125	10	20	M1
Selenium	mg/kg	ND	57.8	47.3	47.6	34.9	81	72	75-125	31	20	M1,R1
Zinc	mg/kg	59.1	57.8	47.3	104	98.1	78	82	75-125	6	20	

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QUALITY CONTROL DATA

Project: Semi Annual Compost Test
Pace Project No.: 92161807

QC Batch: PMST/5622
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 92161807001

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 996045

Parameter	Units	92161961001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.7	21.5	6	25	

SAMPLE DUPLICATE: 996046

Parameter	Units	92162036001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.5	6.3	18	25	

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QUALITY CONTROL DATA

Project: Semi Annual Compost Test
Pace Project No.: 92161807

QC Batch: RBIO/2705
QC Batch Method: SM9221C E (MPN) 503
Analysis Method: SM9221C E (MPN) 503
Analysis Description: 9221CE Fecal Coliform, MPN Solid
Associated Lab Samples: 92161807001

METHOD BLANK: 995386
Matrix: Solid
Associated Lab Samples: 92161807001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Fecal Coliforms, MPN	MPN/g	ND	0.010	06/18/13 12:51	

SAMPLE DUPLICATE: 995387

Parameter	Units	92161807001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fecal Coliforms, MPN	MPN/g	2070	2070	0		2g

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QUALIFIERS

Project: Semi Annual Compost Test
Pace Project No.: 92161807

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

ANALYTE QUALIFIERS

1g	This is a greater than value.
2g	This is greater than value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Semi Annual Compost Test
Pace Project No.: 92161807

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92161807001	BIN A	EPA 3050	MPRP/13613	EPA 6010	ICP/12392
92161807001	BIN A	EPA 7471	MERP/5309	EPA 7471	MERC/5153
92161807001	BIN A	ASTM D2974-87	PMST/5622		
92161807001	BIN A	SM9221C E (MPN) 503	RBIO/2705		

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Pace Analytical	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: March 13, 2013 Page 1 of 2
	Document No.: F-RAL-CS-001-rev.01	Issuing Authorities: Pace Asheville Quality Office

Client Name Caledonia Correctional

Where Received: ☐ Huntersville ☐ Asheville ☐ Eden ☑ Raleigh

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other_____

Circle Thermometer Used: IR Gun SN:122065387 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

IR Gun Back Up SN:122065371

Temp Correction Factor: Add / Subtract +0.5 C

Corrected Cooler Temp.: 5.9 C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: 06/18/13

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6. fecal
Rush Turn Around Time Requested:	☐Yes ☐No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed CAP
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: [illegible] Date: 6/18/13

SRF Review: [illegible] Date: 6/20/13

WO#: 92161807

92161807

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1707293

Section A Required Client Information:

Company: CALEDONIA COLLECTIONAL
Address: 2787 CALEDONIA DR.
TILLERY NC 27887
Email To: STEVEN.MOORE@NCDPS.GOV
Phone: 252-826-5621 Fax: 252-826-4146
Requested Due Date/TAT:

Section B Required Project Information:

Report To: JOEL STEPHENSON
Copy To:
Purchase Order No.: 4689776
Project Name: SEOI BIANUAL COMPOST TEST
Project Number:

Section C Invoice Information:

Attention: KATHY JOHNSON
Company Name: NCDPS
Address: 2787 CALEDONIA DR
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

NPDES | GROUND WATER | DRINKING WATER
UST | RCRA | ✓ OTHER ARDENR

Site Location STATE:

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	METALS 6010/7471	FECAL COLIFORM	DRY WEIGHT	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	BIN A	SL	G			6/18/13	8:35am		3										X	X	X		001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

92161807
~~92145022~~
KG 6/20/13

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	x Joel Stephenson	6/18/13	10:43	[illegible] Pace	6/18/13	10:43	

5.7

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JOEL STEPHENSON

SIGNATURE of SAMPLER: x Joel Stephenson

DATE Signed (MM/DD/YY): 6/18/2013

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Compost Temperature Chart

Start Date: 9-22-12 Completion Date: 1-4-13 Compost Bin #: E

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
9-22-12	9:10	67	100		
9-23-12	8:50	65	101		
9-28-12	9:50	72	104		
9-29-12	8:40	60	116		
9-30-12	10:00	63	114		
10-1-12	9:45	60	115		
10-2-12	9:10	75	120		
10-3-12	9:35	78	124		
10-4-12	9:20	72	120	126	122
10-5-12	9:30	67		127	121
10-8-12	9:35	50°		123	118
10-9-12	9:10	50		125	118
10-10-12	8:40	56		124	118
10-11-12	8:40	50		122	116
10-12-12	9:06	51		125	116
10-15-12	10:55	67		126	110
10-16-12	9:50	54		126	

Signature: _____ Date: _____ Time: _____

E

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: E

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
10-17-12	9:40	58		127	116
10-18-12	9:45	61		128	117
10-19-12	9:13	67		130	117
10-20-12	9:00	53		131	124
10-21-12	8:55	50		129	121
10-22-12	9:00	56		129	119
10-23-12	9:00	51		130	112
10-24-12	9:25	60		130	122
10-25-12	9:25	58		131	122
10-26-12	9:30	65		131	123
10-27-12	9:00	62		136	132
10-28-12	9:25	57		130	128
10-29-12	10:05	46		131	128
10-30-12	9:20	42		134	135
10-31-12	2:30	53		142	137
11-1-12	10:55	50		135	138
11-2-12	9:00	42		139	138
11-3-12	10:15	45		136	135
11-4-12	10:00	45		136	131
11-5-12	8:50	43		138	128
11-6-12	9:40	41		136	129
11-7-12	9:43	42		139	131
11-8-12	9:20	45		138	131
11-9-12	9:30	45		140	131
11-10-12	9:05	46		130	120

Signature: _____ Date: _____ Time: _____

E

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: E

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
11-11-12	8:50	50		130	124
11-12-12	9:50	64		131	124
11-13-12	9:55	49		133	124
11-14-12	9:15	42		130	124
11-15-12	10:10	45		130	123
11-16-12	9:30	46		130	124
11-17-12	9:20	44		130	124
11-18-12	9:25	48		130	122
11-19-12	9:48	50		130	121
11-20-12	10:45	54		130	126
11-21-12	9:40	48		131	130
11-22-12	9:15	45		131	131
11-23-12	9:45	45		133	131
11-24-12	9:15	45		131	131
11-25-12	9:25	32		134	130
11-26-12	9:55	48		131	130
11-27-12	2:00p	54		130	133
11-28-12	10:00	40		130	131
11-29-12	10:40	42		130	133
11-30-12	9:55	43		130	131
12-1-12	9:30	44		133	130
12-2-12	9:40	52		131	128
12-3-12	9:45	62		128	125
12-4-12	9:15	55		128	128
12-5-12	9:20	60		127	130

Signature: _____ Date: _____ Time: _____

E

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: E

	Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
	12-6-12	10:00	42		129	131
	12-7-12	9:35	47		129	131
	12-8-12	9:00	52		130	131
Flipped	12-9-12	10:15	57		129	127
	12-10-12	10:00	54		129	127
	12-11-12	10:15	62		112	106
	12-12-12	10:55	45		111	111
	12-13-12	10:30	45		115	114
	12-14-12	9:50	40		120	118
	12-15-12	9:30	37		122	118
	12-16-12	9:40	49		123	120
	12-17-12	9:35	56		123	121
	12-18-12	10:30	60		123	120
	12-19-12	9:15	45		125	121
	12-20-12	9:20	44		129	124
	12-21-12	9:15	42		135	127
	12-22-12	9:25	40		139	129
	12-23-12	10:10	40		140	134
	12-24-12	9:15	47		137	135
	12-25-12	8:45	46		135	134
	12-26-12	9:30	45		133	133
	12-27-12	10:45	44		140	134
	12-28-12	9:35	34		141	135
	12-29-12	9:50	40		137	135
	12-30-12	9:15	38		139	135

Signature: _____ Date: _____ Time: _____

E

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: E

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
12-31-12	9:20	33		138	137
1-1-13	9:45	44		137	135
1-2-13	9:50	39		134	135
1-3-13	9:30	36		133	133
1-4-13	9:20	32		130	130

Signature: Joel D. Stephens Date: 1-5-13 Time: _____

E

Compost Temperature Chart

Start Date: 10-19-12 Completion Date: 2-18-13 Compost Bin #: D

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
10-19-12	9:13	67	96		
10-20-12	9:00	53	103		
10-21-12	8:55	50	105		
10-22-12	9:00	56	108		
10-23-12	9:00	51	108		
10-24-12	9:25	60	108		
10-25-12	9:25	58	107		
10-26-12	9:30	65	108		
10-27-12	9:00	62	108		
10-28-12	9:25	57	113		
10-29-12	10:05	46	113		
10-30-12	9:20	42	116		
10-31-12	2:30	53	115		
11-1-12	10:55	50	114		
11-2-12	9:00	42	114		
11-3-12	10:15	45	63	80	
11-4-12	10:00	45	66	88	
11-5-12	8:50	43	82	88	
11-6-12	9:40	41	89	90	
11-7-12	9:43	42	92	96	
11-8-12	9:20	45	92	95	
11-9-12	9:30	45	95	98	
11-10-12	9:05	46	98	100	
11-11-12	8:50	50	98	100	
11-12-12	9:50	64	100	105	

Signature: _____ Date: _____ Time: _____

W

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: D

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
11-13-12	9:55	49		96	86
11-14-12	9:15	42		104	87
11-15-12	10:10	45		105	84
11-16-12	9:30	46		117	94
11-17-12	9:20	44		117	95
11-18-12	9:25	48		120	100
11-19-12	9:48	50		120	94
11-20-12	10:45	54		120	105
11-21-12	9:40	48		120	105
11-22-12	9:15	45		125	106
11-23-12	9:45	45		126	108
11-24-12	9:15	45		123	108
11-25-12	9:25	32		122	108
11-26-12	9:55	48		120	107
11-27-12	2:00p	54		120	108
11-28-12	10:00	40		120	108
11-29-12	10:40	42		118	107
11-30-12	9:55	43		123	105
12-1-12	9:30	44		124	104
12-2-12	9:40	52		124	104
12-3-12	9:45	62		125	104
12-4-12	9:15	55		125	103
12-5-12	9:20	60		128	105
12-6-12	10:00	42		128	104
12-7-12	9:35	47		130	105

Signature: _____ Date: _____ Time: _____

D

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: D

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
12-8-12	9:00	52		129	103
12-9-12	10:15	57		130	107
12-10-12	10:00	54		130	106
12-11-12	10:15	62		130	105
12-12-12	10:55	45		130	104
12-13-12	10:30	45		132	104
12-14-12	9:50	40		130	104
12-15-12	9:30	37		130	104
12-16-12	9:40	49		135	107
12-17-12	9:35	56		133	107
12-18-12	10:30	60		132	107
12-19-12	9:15	45		132	106
12-20-12	9:20	44		130	106
12-21-12	9:15	42		129	106
12-22-12	9:25	40		128	107
12-23-12	10:10	40		129	107
12-24-12	9:15	47		132	107
12-25-12	8:45	46		132	107
12-26-12	9:30	45		139	108
12-27-12	10:45	44		133	108
12-28-12	9:35	34		132	107
12-29-12	9:50	40		131	103
12-30-12	9:15	38		139	103
12-31-12	9:20	33		132	104
1-1-13	9:45	44		133	103

Signature: _____ Date: _____ Time: _____

D

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: D

	Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
	1-2-13	9:50	39		133	108
	1-3-13	9:30	36		138	108
	1-4-13	9:20	32		133	105
Flipped	1-5-13	9:30	34		90	80
	1-6-13	10:10	43		93	81
	1-7-13	10:40	46		95	83
	1-8-13	9:03	38		97	84
	1-9-13	10:00	47		99	85
	1-10-13	9:55	44		102	86
	1-11-13	10:05	49		104	88
	1-12-13	9:05	54		103	90
	1-13-13	8:45	57		106	92
	1-14-13	9:52	62		109	90
	1-15-13	9:35	45		112	91
	1-16-13	9:53	44		112	92
	1-17-13	9:17	49		114	93
	1-18-13	9:25	43		118	93
	1-19-13	9:17	32		120	94
	1-20-13	8:54	42		120	97
	1-21-13	10:00	45		124	98
	1-22-13	9:45	32		123	98
	1-23-13	10:00	36		128	102
	1-24-13	9:35	34		126	104
	1-25-13	10:30	38		120	106
	1-26-13	9:10	30		119	106

Signature: _____ Date: _____ Time: _____

V

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: D

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
1-22-13	9:15	28		115	106
1-28-13	10:00	34		116	105
1-29-13	9:25	54		118	105
1-30-13	9:20	64		120	105
1-31-13	9:50	48		124	104
2-1-13	9:25	36		135	108
2-2-13	9:40	35		133	113
2-3-13	9:10	37		129	113
2-4-13	9:35	36		134	114
2-5-13	10:10	47		134	114
2-6-13	9:45	48		123	112
2-7-13	10:10	44		126	114
2-8-13	10:00	51		143	116
2-9-13	9:05	36		146	127
2-10-13	9:20	33		138	126
2-11-13	10:00	53		135	133
2-12-13	9:40	51		136	134
2-13-13	12:00	48		138	135
2-14-13	9:00	40		139	136
2-15-13	9:00	40		139	135
2-16-13	9:18	40		140	136
2-17-13	9:47	26		139	136
2-18-13	8:35	26		140	137

Signature: [illegible] Date: 2-18-13 Time: _____

D.

Compost Temperature Chart

Start Date: 7-28-12 Completion Date: 11-8-12 Compost Bin #: B

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
7-28-12	8:58	74	108		
7-29-12	9:00	73	109		
7-30-12	8:40	77	109		
7-31-12	9:05	75	123		
8-1-12	9:45	76	123		
8-2-12	9:23	78	123		
8-3-12	10:05	81	123		
8-4-12	9:00	76	120		
8-5-12	10:00	84	121		
8-6-12	10:30	85	121		
8-7-12	8:50	76	122		
8-8-12	9:15	73	119		
8-9-12	9:50	76		122	110
8-10-12	9:23	79		121	108
8-11-12	9:00	78		123	103
8-12-12	9:10	75		125	100
8-13-12	8:55	73		125	100
8-14-12	2:07	88		132	106
8-15-12	9:37	80		132	106
8-16-12	11:03	80		131	110
8-17-12	10:20	82		132	110
8-18-12	9:07	76		132	111
8-19-12	10:00	78		133	110
8-20-12	11:56	72		132	111
8-21-12	10:00	71		134	113

Signature: Joel D. Stephenson Date: 11-8-12 Time: _____

B

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: _____

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
8-22-12	9:30	72		135	116
8-23-12	11:26	80		134	115
8-24-12	9:20	70		134	115
8-25-12	8:57	68		135	118
8-26-12	9:26	70		131	114
8-27-12	9:20	74		130	112
8-28-12	9:25	76		130	113
8-29-12	9:30	74		133	117
8-30-12	10:30	83		131	117
8-31-12	9:45	78		131	116
9-1-12	9:20	79		131	114
9-2-12	9:15	77		131	116
9-3-12	8:57	75		129	114
9-4-12	10:20	78		129	113
9-5-12	9:45	76		129	114
9-6-12	1:37p	88		132	114
9-7-12	9:17	72		132	114
9-8-12	9:00	74		131	115
9-9-12	9:15	66		131	114
9-10-12	9:50	66		131	112
9-11-12	9:25	64		130	113
9-12-12	11:10	71		130	113
9-13-12	1:50p	79		129	112
9-14-12	9:50	75		130	112
9-15-12	9:50	72		130	113

Signature: _____ Date: _____ Time: _____

B

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: B

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
9-16-12	9:22	64		130	110
9-17-12	9:30	68		130	110
9-18-12	1:55p	74		128	112
9-19-12	10:20	63		129	111
9-20-12	10:15	63		130	111
9-21-12	9:30	65		130	113
9-22-12	9:10	67		130	112
9-23-12	8:50	65		130	111
9-28-12	9:50	72		130	111
9-29-12	8:40	60		130	110
9-30-12	10:00	63		130	112
10-1-12	9:45	60		130	110
Flipped 10-2-12	9:10	75		130	110
10-3-12	9:35	78		110	104
10-4-12	9:20	72		115	117
10-5-12	9:30	67		117	108
10-8-12	9:35	50°		122	108
10-9-12	9:10	50		125	108
10-10-12	8:40	56		128	108

Signature: _____ Date: _____ Time: _____

B

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: B

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
10-11-12	8:40	50		129	110
10-12-12	9:06	51		129	112
10-15-12	10:55	67		131	113
10-16-12	9:50	54		131	118
10-17-12	9:40	58		131	117
10-18-12	9:45	61		131	116
10-19-12	9:13	67		130	114
10-20-12	9:00	53		130	114
10-21-12	8:55	50		130	114
10-22-12	9:00	56		130	114
10-23-12	9:00	51		130	122
10-24-12	9:25	60		130	123
10-25-12	9:25	58		130	122
10-26-12	9:30	65		131	125
10-27-12	9:00	62		135	125
10-28-12	9:25	57		158	130
10-29-12	10:05	46		159	135
10-30-12	9:20	42		158	138
10-31-12	2:30	53		152	138
11-1-12	10:55	50		150	137
11-2-12	9:00	42		149	138
11-3-12	10:15	45		147	135
11-4-12	10:00	45		137	134

Signature: _____ Date: _____ Time: _____

B

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: B

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
11-5-12	8:50	43		138	132
11-6-12	9:40	41		138	132
11-7-12	9:43	42		140	132
11-8-12	9:20	45		132	133

Signature: Joel D. Stephens Date: 11-8-12 Time: _____

B

Compost Temperature Chart

Start Date: 11-15-12 Completion Date: 3-28-13 Compost Bin #: G

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
11-15-12	10:10	45	82		
11-16-12	9:30	46	91		
11-17-12	9:20	44	103		
11-18-12	9:25	48	100		
11-19-12	9:48	50	113		
11-20-12	10:45	54	120		
11-21-12	9:40	48	124		
11-22-12	9:15	45	122		
11-23-12	9:45	45	122		
11-24-12	9:15	45	121		
11-25-12	9:25	32	120		
11-26-12	9:55	48	74		
11-27-12	2:00p	54	85		
11-28-12	10:00	40	100		
11-29-12	10:40	42		94	116
11-30-12	9:55	43		91	119
12-1-12	9:30	44		85	94
12-2-12	9:40	52		90	93
12-3-12	9:45	62		93	93
12-4-12	9:15	55		104	99
12-5-12	9:20	60		114	104
12-6-12	10:00	42		116	105
12-7-12	9:35	47		122	105
12-8-12	9:00	52		124	109
12-9-12	10:15	57		124	109

Signature: _____ Date: _____ Time: _____

G

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: 5

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
12-10-12	10:00	54		124	109
12-11-12	10:15	62		128	113
12-12-12	10:55	45		127	117
12-13-12	10:30	45		128	118
12-14-12	9:50	40		128	120
12-15-12	9:30	37		136	122
12-16-12	9:40	49		136	123
12-17-12	9:35	56		137	123
12-18-12	10:30	60		137	123
12-19-12	9:15	45		138	123
12-20-12	9:20	44		138	123
12-21-12	9:15	42		138	124
12-22-12	9:25	40		138	124
12-23-12	10:10	40		139	124
12-24-12	9:15	47		138	124
12-25-12	8:45	46		139	125
12-26-12	9:30	45		139	125
12-27-12	10:45	44		140	125
12-28-12	9:35	34		134	125
12-29-12	9:50	40		135	126
12-30-12	9:15	38		135	125
12-31-12	9:20	33		135	125
1-1-13	9:45	44		133	125
1-2-13	9:50	39		135	125
1-3-13	9:30	36		134	125

Signature: _____ Date: _____ Time: _____

5

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: 6

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
1-4-13	9:20	32		135	125
1-5-13	9:30	34		135	123
1-6-13	10:10	43		133	124
1-7-13	10:40	46		137	123
1-8-13	9:03	38		130	123
1-9-13	10:00	47		131	123
1-10-13	9:55	44		131	122
1-11-13	10:05	49		132	122
1-12-13	9:05	54		128	122
1-13-13	8:45	57		130	121
1-14-13	9:52	62		128	119
1-15-13	9:35	45		126	119
1-16-13	9:53	44		129	119
1-17-13	9:17	49		128	120
1-18-13	9:25	43		130	120
1-19-13	9:17	32		128	120
1-20-13	8:54	42		128	119
1-21-13	10:00	45		124	118
1-22-13	9:45	32		130	117
1-23-13	10:00	36		123	117
1-24-13	9:35	34		123	118
1-25-13	10:30	38		131	119
1-26-13	9:10	30		134	119
1-27-13	9:15	28		130	117
1-28-13	10:00	34		131	116

Signature: _____ Date: _____ Time: _____

6

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: 6

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
1-29-13	9:25	54		126	116
1-30-13	9:20	64		127	116
1-31-13	9:50	48		127	117
2-1-13	9:25	36		125	118
2-2-13	9:40	35		130	119
2-3-13	9:10	37		131	117
2-4-13	9:35	36		124	117
2-5-13	10:10	47		126	116
2-6-13	9:45	48		131	117
2-7-13	10:10	44		133	117
2-8-13	10:00	51		130	115
2-9-13	9:05	36		135	118
2-10-13	9:20	33		130	110
2-11-13	10:00	53		131	109
Flipped 2-12-13	9:40	51		136	112
2-13-13	12:00	48		126	102
2-14-13	9:20	39		128	118
2-15-13	9:00	40		141	137
2-16-13	9:18	40		134	140
2-17-13	9:47	26		131	141
2-18-13	8:35	26		144	146
2-19-13	9:20	43		155	144
2-20-13	9:45	40		153	142
2-21-13	10:30	37		152	140
2-22-13	10:15	37		153	142

Signature: _____ Date: _____ Time: _____

6

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: 6

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
2-23-13	7:55	38		156	143
2-24-13	8:22	42		156	144
2-25-13	9:45	36		157	147
2-26-13	9:30	40		144	143
2-27-13	9:55	44		146	139
2-28-13	9:55	45		148	137
3-1-13	10:20	46		148	136
3-2-13	9:15	40		150	138
3-3-13	8:36	34		152	144
3-4-13	9:20	34		156	145
3-5-13	9:40	40		152	137
3-6-13	9:40	37		146	137
3-7-13	10:00	44		150	139
3-8-13	9:56	43		148	139
3-9-13	8:15	40		148	138
3-10-13	8:35	34		147	147
3-11-13	9:40	46		159	148
3-12-13	10:30	63		142	132
3-13-13	9:30	45		143	129
3-14-13	9:05	34		140	129
3-15-13	10:50	45		144	139
3-16-13	9:00	50		142	139
3-17-13	8:25	46		141	140
3-18-13	9:40	38		139	141
3-19-13	9:20	46		136	136

Signature: _____ Date: _____ Time: _____

6.

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: 5

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
3-20-13	9:20	39		133	131
3-21-13	9:20	38		134	133
3-22-13	9:30	32		138	126
3-23-13	8:41	33		140	138
3-24-13	8:20	36		148	142
3-25-13	11:15	38		147	135
3-26-13	9:30	41		141	131
3-27-13	11:40	47		139	130
3-28-13	9:06	39		138	130

Signature: Joel Stephenson Date: 3-28-13 Time: _____

5.

Compost Temperature Chart

Start Date: 12-27-12 Completion Date: 5-25-13 Compost Bin #: F

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
12-27-12	10:45	44	109	118	
12-28-12	9:35	34		112	105
12-29-12	9:50	40		103	110
12-30-12	9:15	38		101	94
12-31-12	9:20	33		104	92
1-1-13	9:45	44		107	92
1-2-13	9:50	39		106	91
1-3-13	9:30	36		112	96
1-4-13	9:20	32		112	96
1-5-13	9:30	34		113	101
1-6-13	10:10	43		112	100
1-7-13	10:40	46		115	100
1-8-13	9:03	38		115	99
1-9-13	10:00	47		115	101
1-10-13	9:55	44		115	103
1-11-13	10:05	49		114	105
1-12-13	9:05	54		115	106
1-13-13	8:45	57		113	106
1-14-13	9:52	62		109	109
1-15-13	9:35	45		109	109
1-16-13	9:53	44		113	111
1-17-13	9:17	49		111	111
1-18-13	9:25	43		111	111
1-19-13	9:17	32		111	111
1-20-13	8:54	42		113	106

Signature: _____ Date: _____ Time: _____

F.

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: F

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
1-21-13	10:00	45		111	106
1-22-13	9:45	32		111	105
1-23-13	10:00	36		113	110
1-24-13	9:35	34		110	110
1-25-13	10:30	38		106	112
1-26-13	9:10	30		108	113
1-27-13	9:15	28		109	112
1-28-13	10:00	34		116	112
1-29-13	9:25	54		116	110
1-30-13	9:20	64		117	114
1-31-13	9:50	48		117	115
2-1-13	9:25	36		116	116
2-2-13	9:40	35		121	116
2-3-13	9:10	37		118	116
2-4-13	9:35	36		118	116
2-5-13	10:10	47		119	117
2-6-13	9:45	48		119	117
2-7-13	10:10	44		118	100
2-8-13	10:00	51		118	104
2-9-13	9:05	36		124	109
2-10-13	9:20	33		124	110
2-11-13	10:00	53		123	104
2-12-13	9:40	51		123	104
2-13-13	12:00	48		118	106
2-14-13	9:20	39		119	107

Signature: _____ Date: _____ Time: _____

F

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: F

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
2-15-13	9:00	40		118	108
2-16-13	9:18	40		118	104
2-17-13	9:47	26		118	102
2-18-13	8:35	26		116	104
2-19-13	9:20	43		117	104
2-20-13	9:45	40		117	107
2-21-13	10:30	37		117	106
2-22-13	10:15	37		117	107
2-23-13	7:55	38		119	108
2-24-13	8:22	42		119	107
2-25-13	9:45	36		118	108
2-26-13	9:30	40		118	108
2-27-13	9:55	44		118	108
2-28-13	9:55	45		119	109
3-1-13	10:20	46		118	108
3-2-13	9:15	40		122	110
3-3-13	8:36	34		120	110
3-4-13	9:20	34		122	109
3-5-13	9:40	40		118	109
3-6-13	9:40	37		119	110
3-7-13	10:00	44		123	110
3-8-13	9:56	43		123	110
3-9-13	8:15	40		124	111
3-10-13	8:35	34		123	112
3-11-13	9:40	46		122	112

Signature: _____ Date: _____ Time: _____

F

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: F

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
3-12-13	10:30	63		121	112
3-13-13	9:30	45		122	112
3-14-13	9:05	34		122	112
3-15-13	10:50	45		123	112
3-16-13	9:00	50		123	~~134~~ 112
3-17-13	8:25	46		122	112
3-18-13	9:40	38		122	112
3-19-13	9:20	46		125	114
3-20-13	9:20	39		124	114
3-21-13	9:20	38		123	115
3-22-13	9:30	32		125	115
3-23-13	8:41	33		128	118
3-24-13	8:20	36		126	115
3-25-13	11:15	38		125	111
3-26-13	9:30	41		122	110
3-27-13	11:40	47		124	110
Flipped 3-28-13	9:06	39		123	111
3-29-13	8:45	38		120	120
3-30-13	8:49	42		124	122
3-31-13	8:25	38		122	118
4-1-13	8:40	55		129	90
4-2-13	9:15	46		90	56
4-3-13	9:10	44		87	54
4-4-13	9:50	44		66	47
4-5-13	9:50	45		55	44

Signature: _____ Date: _____ Time: _____

F.

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: F

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
4-6-13	8:25	45		67	49
4-7-13	8:15	38		88	59
4-8-13	9:35	62		102	73
4-9-13	9:30	68		100	74
4-10-13	10:20	74		97	71
4-11-13	9:00	68		90	67
4-12-13	8:50	68		90	90
4-13-13	8:40	58		98	90
4-14-13	8:54	56		102	100
4-15-13	10:00	59		73	54
4-16-13	9:35	64		64	53
4-17-13	2:20	85		64	53
4-18-13	9:15	72		65	53
4-19-13	9:10	72		66	54
4-20-13	8:17	51		78	68
4-21-13	8:30	44		86	86
4-22-13	10:55	54		58	58
4-23-13	10:00	56		57	43
4-24-13	9:55	58		56	40
4-25-13	2:50	67		57	48
4-26-13	9:55	58		54	40
4-27-13	9:00	58		50	40
4-28-13	8:27	56		52	40
4-29-13	9:45	59		58	47
4-30-13	10:20	61		59	51

Signature: _____ Date: _____ Time: _____

F

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: F

	Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
Flipped	5-1-13	9:46	57		110	100
	5-2-13	9:40	59		113	102
	5-3-13	9:37	60		117	105
	5-4-13	8:20	51		118	110
	5-5-13	8:20	50		124	116
	5-6-13	10:38	64		131	126
	5-7-13	9:55	67		133	131
	5-8-13	11:05	65		135	131
	5-9-13	10:15	67		137	132
	5-10-13	10:25	78		137	133
	5-11-13	8:23	70		139	135
	5-12-13	8:05	63		141	137
	5-13-13	9:55	70		142	138
	5-14-13	9:10	55		142	138
	5-15-13	9:20	66		142	137
	5-16-13	9:30	78		141	138
	5-17-13	8:30	67		142	138
	5-18-13	8:30	70		141	137
	5-19-13	8:17	70		140	136
	5-20-13	9:00	74		140	136
	5-21-13	10:00	73		141	137
	5-22-13	10:05	72		141	136
	5-23-13	10:00	70		141	137
	5-24-13	9:55	69		140	136
	5-25-13	8:10	51		140	136

Signature: Joel Stapleman Date: 5-25-13 Time: _____

F.

Compost Temperature Chart

Start Date: 4-4-13 Completion Date: _____ Compost Bin #: C

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
4-4-13	9:50	44	81		
4-5-13	9:50	45	86		
4-6-13	8:25	45	91		
4-7-13	8:15	38	101		
4-8-13	9:35	62	100		
4-9-13	9:30	68	100		
4-10-13	10:20	74	102		
4-11-13	9:00	68	105		
4-12-13	8:50	68	112		
4-13-13	8:40	58	114		
4-14-13	8:54	56	114		
4-15-13	10:00	59	104		
4-16-13	9:35	64	105		
4-17-13	2:20	85	106		
4-18-13	9:15	72	102		
4-19-13	9:10	72	99		
4-20-13	8:17	51	95		
4-21-13	8:30	44	102		
4-22-13	10:55	54	101		
4-23-13	10:00	56	103		
4-24-13	9:55	58	118	104	
4-25-13	12:50	67	121	115	
4-26-13	9:55	58	116	114	
4-27-13	9:00	58	110	115	
4-28-13	8:27	56	111	115	

Signature: _____ Date: _____ Time: _____

C

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: C

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
4-29-13	9:45	59	113	112	
4-30-13	10:20	61	102	122	
5-1-13	9:46	57	104	122	
5-2-13	9:40	59	110	120	
5-3-13	9:37	60	116	117	
5-4-13	8:20	51		118	109
5-5-13	8:20	50		116	107
5-6-13	10:38	64		117	107
5-7-13	9:55	67		118	108
5-8-13	11:05	65		119	105
5-9-13	10:15	67		120	105
5-10-13	10:25	78		130	110
5-11-13	8:23	70		126	117
5-12-13	8:05	63		129	118
5-13-13	9:55	70		134	110
5-14-13	9:10	55		140	115
5-15-13	9:20	66°	105°	146°	116°
5-16-13	9:31	78°	122°	145°	128°
5-18-13	8:26	67°	128°	142°	120°
5-19-13	8:15	70°	126°	142°	119°
5-20-13	9:02	74°	130°	140°	119°
5-21-13	10:01	73°	138°	145°	119°
5-22-13	10:06	72°	138°	144°	118°
5-23-13	10:00	70		144	118
5-24-13	9:55	69		143	118

Signature: _____ Date: _____ Time: _____

5-25-13 8:10 57° 145° 120°

C

Compost Temperature Chart

Start Date: 5-25-13 Completion Date: _____ Compost Bin #: C

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
5-25-13	8:10	51		145°	120°
5-26-13	8:10	56°		145°	120°
5-27-13	8:11	58°		145°	120°
5-28-13	9:15	70		145	119
5-29-13	9:10	69		145	117
5-30-13	9:50	77		145	116
5-31-13	9:25	77		142	113
6-1-13	7:55	73		140	114
6-2-13	8:04	74°		141	117
6-3-13	11:15	77		140	112
6-4-13	9:20	69		141	121
6-5-13	9:15	71		141	124
6-6-13	8:30	72°		143	125
6-7-13	9:15	74		143	124
6-8-13	8:23	70°		143	127
6-9-13	8:30	76°		143	128
6-10-13	9:15	79		140	127
6-11-13	9:00	73		140	129
6-12-13	1:40	88		144	134
6-13-13	8:46	82		143	137
6-14-13	9:10	73		141	136
6-15-13	8:40	73		140	135
6-16-13	7:45	70		146	133
6-17-13	10:30	78		145	134
6-18-13	8:50	74		144	132

2-T

Signature: _____ Date: _____ Time: _____

C

Compost Temperature Chart

Start Date: 6-19-13 Completion Date: _____ Compost Bin #: C

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
6-19-13	8:50	70		140	131
6-20-13	9:45	71		140	132
6-21-13	8:45	68°		136	132
6-22-13	8:00	70°		147	143
6-23-13	8:40	74		144	136
6-24-13	9:05	87		141	132
6-25-13	9:25	78		141	135
~~6-26-13~~					

Signature: Joel D. Stephens Date: 6-25-13 Time: _____

C

Compost Temperature Chart

Start Date: 8-24-12 Completion Date: 12-9-12 Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
8-24-12	9:20	70°	92		
8-25-12	8:57	68	108		
8-26-12	9:26	70	116		
8-27-12	9:20	74	116		
8-28-12	9:25	76	114		
8-29-12	9:30	74	116		
8-30-12	10:30	83	115		
8-31-12	9:45	78	116		
9-1-12	9:20	79	107		
9-2-12	9:15	77	118		
9-3-12	8:57	75	123		
9-4-12	10:20	78	123		
9-5-12	9:45	76	115		
9-6-12	1:37p	88		114	116
9-7-12	9:17	72		114	114
9-8-12	9:00	74		116	112
9-9-12	9:15	66		117	109
9-10-12	9:50	66		118	113
9-11-12	9:25	64		120	111
9-12-12	11:10	71		123	114
9-13-12	1:50p	79		120	110
9-14-12	9:50	75		120	108
9-15-12	9:50	72		122	114
9-16-12	9:22	64		120	115
9-17-12	9:30	68		120	116

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: _____

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
9-18-12	1:55p	74		122	118
9-19-12	10:20	63		115	115
9-20-12	10:15	63		115	116
9-21-12	9:30	65		116	118
9-22-12	9:10	67		107	122
9-23-12	8:50	65		104	109
9-28-12	9:50	72		104	124
9-29-12	8:40	60		102	120
9-30-12	10:00	63			119
10-1-12	9:45	60			117
10-2-12	9:10	75		125	117
10-3-12	9:35	78		125	120
10-4-12	9:20	72		129	122
10-5-12	9:30	67		125	125
10-8-12	9:35	50°		131	124
10-9-12	9:10	50		132	125
10-10-12	8:40	56		125	127
10-11-12	8:40	50		130	131
10-12-12	9:06	51		130	135

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
10-15-12	10:55	67		131	131
10-16-12	9:50	54		131	131
10-17-12	9:40	58		133	132
10-18-12	9:45	61		135	134
10-19-12	9:13	67		135	135
10-20-12	9:00	53		136	135
10-21-12	8:55	50		133	134
10-22-12	9:00	56		135	133
10-23-12	9:00	51		135	133
10-24-12	9:25	60		136	134
10-25-12	9:25	58		134	134
10-26-12	9:30	65		137	135
10-27-12	9:00	62		136	136
10-28-12	9:25	57		140	134
10-29-12	10:05	46		133	135
10-30-12	9:20	42		138	136
10-31-12	2:30	53		135	137
11-1-12	10:55	50		138	132
11-2-12	9:00	42		138	137
11-3-12	10:15	45		136	136
11-4-12	10:00	45		136	134
11-5-12	8:50	43		136	133
11-6-12	9:40	41		134	134

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
11-7-12	9:43	42		137	133
11-8-12	9:20	45		138	133
Flipped 11-9-12	9:30	45		132	132
11-10-12	9:05	46		115	115
11-11-12	8:50	50		107	114
11-12-12	9:50	64		117	122
11-13-12	9:55	49		116	121
11-14-12	9:15	42		115	126
11-15-12	10:10	45		116	139
11-16-12	9:30	46		119	140
11-17-12	9:20	44		122	143
11-18-12	9:25	48		122	140
11-19-12	9:48	50		126	138
11-20-12	10:45	54		130	135
11-21-12	9:40	48		132	135
11-22-12	9:15	45		135	139
11-23-12	9:45	45		137	140
11-24-12	9:15	45		140	141
11-25-12	9:25	32		140	140
11-26-12	9:55	48		138	138
11-27-12	2:00 p	54		140	138
11-28-12	10:00	40		139	139
11-29-12	10:40	42		139	139
11-30-12	9:55	43		138	139
12-1-12	9:30	44		130	139

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
12-2-12	9:40	52		129	137
12-3-12	9:45	62		128	135
12-4-12	9:15	55		128	135
12-5-12	9:20	60		127	134
12-6-12	10:00	42		126	134
12-7-12	9:35	47		127	135
12-8-12	9:00	52		126	135
12-9-12	10:15	57		126	134

Signature: Joel Stephenson Date: 12-9-12 Time: _____

A

Compost Temperature Chart

Start Date: 1-11-13 Completion Date: 6-16-13 Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
1-11-13	10:05	49	104		
1-12-13	9:05	54	105		
1-13-13	8:45	57	106		
1-14-13	9:52	62	105		
1-15-13	9:35	45	116		
1-16-13	9:53	44	116		
1-17-13	9:17	49	115		
1-18-13	9:25	43	115		
1-19-13	9:17	32	110		
1-20-13	8:54	42	114		
1-21-13	10:00	45	105		
1-22-13	9:45	32	103		
1-23-13	10:00	36	100		
1-24-13	9:35	34	80	97	
1-25-13	10:30	38	82	114	
1-26-13	9:10	30	84	97	
1-27-13	9:15	28	85	92	
1-28-13	10:00	34	100	114	
1-29-13	9:25	54	123	125	
1-30-13	9:20	64	124	127	
1-31-13	9:50	48	123	121	
2-1-13	9:25	36	127	123	
2-2-13	9:40	35	130	129	
2-3-13	9:10	37	129	120	
2-4-13	9:35	36	129	120	

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
2-5-13	10:10	47	130	134	
2-6-13	9:45	48	130	151	
2-7-13	10:10	44	147	135	
2-8-13	10:00	51		151	132
2-9-13	9:05	36		138	129
2-10-13	9:20	33		134	127
2-11-13	10:00	53		134	145
2-12-13	9:40	51		143	142
2-13-13	12:00	48		150	143
2-14-13	9:20	39		150	139
2-15-13	9:00	40		151	134
2-16-13	9:18	40		148	126
2-17-13	9:47	26		140	123
2-18-13	8:35	26		137	121
2-19-13	9:20	43		140	137
2-20-13	9:45	40		139	139
2-21-13	10:30	37		138	138
2-22-13	10:15	37		137	136
2-23-13	7:55	38		135	133
2-24-13	8:22	42		136	128
2-25-13	9:45	36		127	126
2-26-13	9:30	40		130	128
2-27-13	9:55	44		131	132
2-28-13	9:55	45		132	136
3-1-13	10:20	46		138	135

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
3-2-13	9:15	40		140	132
3-3-13	8:36	34		138	130
3-4-13	9:20	34		139	132
3-5-13	9:40	40		132	143
3-6-13	9:40	37		138	140
3-7-13	10:00	44		132	142
3-8-13	9:56	43		144	139
3-9-13	8:15	40		141	144
3-10-13	8:35	34		138	138
3-11-13	9:40	46		131	133
3-12-13	10:30	63		133	135
3-13-13	9:30	45		130	134
3-14-13	9:05	34		126	132
3-15-13	10:50	45		135	133
3-16-13	9:00	50		140	140
3-17-13	8:25	46		140	136
3-18-13	9:40	38		128	129
3-19-13	9:20	46		128	131
3-20-13	9:20	39		127	130
3-21-13	9:20	38		126	128
3-22-13	9:30	32		129	125
3-23-13	8:41	33		140	138
3-24-13	8:20	36		132	130
3-25-13	11:15	38		128	126
3-26-13	9:30	41		127	125

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
3-27-13	11:40	47		128	126
3-28-13	9:06	39		124	125
3-29-13	8:45	38		130	130
3-30-13	8:49	42		130	130
3-31-13	8:25	38		138	136
4-1-13	8:40	55		141	120
4-2-13	9:15	46		143	121
4-3-13	9:10	44		146	123
4-4-13	9:50	44		148	124
4-5-13	9:50	45		146	124
4-6-13	8:25	45		143	126
4-7-13	8:15	38		139	123
4-8-13	9:35	62		124	121
4-9-13	9:30	68		128	123
4-10-13	10:20	74		130	126
4-11-13	9:00	68		128	128
4-12-13	8:50	68		130	130
4-13-13	8:40	58		140	130
4-14-13	8:54	56		138	136
4-15-13	10:00	59		139	131
4-16-13	9:35	64		143	134
4-17-13	2:20	85		140	132
4-18-13	9:15	72		141	131
4-19-13	9:10	72		141	130
4-20-13	8:17	51		143	128

Signature: _____ Date: _____ Time: _____

A.

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

	Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
	4-21-13	8:30	44		140	124
	4-22-13	10:55	54		143	128
	4-23-13	10:00	56		140	126
	4-24-13	9:55	58		137	122
	4-25-13	2:50	67		135	118
	4-26-13	9:55	58		135	116
	4-27-13	9:00	58		129	116
	4-28-13	8:27	56		121	116
	4-29-13	9:45	59		130	118
	4-30-13	10:20	61		94	121
	5-1-13	9:46	57		93	123
	5-2-13	9:40	59		97	124
	5-3-13	9:37	60		96	124
	5-4-13	8:20	51		133	124
Flipped	5-5-13	8:20	50		140	122
	5-6-13	10:38	64		71	72
	5-7-13	9:55	67		70	73
	5-8-13	11:05	65		60	60
	5-9-13	10:15	67		60	60
	5-10-13	10:25	78°		65	65
	5-11-13	8:23	70		99	95
	5-12-13	8:05	63		143	142
	5-13-13	9:55	70		55	52
	5-14-13	9:10	55		45	45
	5-15-13	9:20	66°		47	62

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
5-16-13	9:30	78°		60°	65°
5-18-13	8:30	67°		90°	92°
5-19-13	8:17	70°		102°	121°
5-20-13	9:00	74°		68°	70°
5-21-13	10:00	73°		65°	70°
5-22-13	10:05	72°		70°	72°
5-23-13	10:00	70		78	77
5-24-13	9:55	69		75	74
5-25-13	8:10	57°		65°	70°
5-26-13	8:12	56°		65°	68°
5-27-13	8:13	58°		60°	62°
5-28-13	9:15	70		63	64
5-29-13	9:10	69		64	65
5-30-13	9:50	77		64	65
5-31-13	9:25	77		67	68
6-1-13	7:55	73		72	76
6-2-13	8:03	74°		90°	120°
6-3-13	11:15	770		71	73
6-4-13	9:20	69		65	68
6-5-13	9:15	71		58	60
6-6-13	8:25	71°		65°	63°
6-7-13	9:15	74		68	72
6-8-13	8:22	70°	72°	76°	80°
6-9-13	8:31	76°	82	88	84
6-10-13	9:15	79		71	75

Signature: _____ Date: _____ Time: _____

A

Compost Temperature Chart

Start Date: _____ Completion Date: _____ Compost Bin #: A

Date	Time	Outside Temp	Compost 1' Temp	Compost 2' Temp	Compost 3' Temp
6-11-13	9:00	76	68	75	
6-12-13	1:40	88	67	75	
6-13-13	8:47	82°	80°	76°	
6-14-13	9:12	73°	65	64	
6-15-13	8:42	73	67	65	
6-16-13	7:45	70		84	87

Signature: Joel Stephenson Date: 6-16-13 Time: _____

A