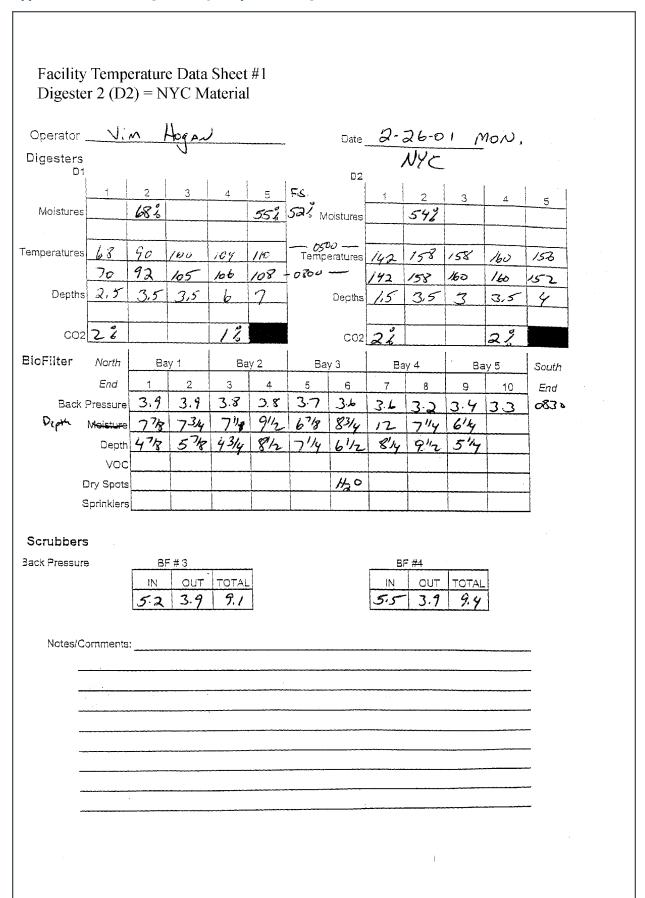
New York City MSW Composting Report

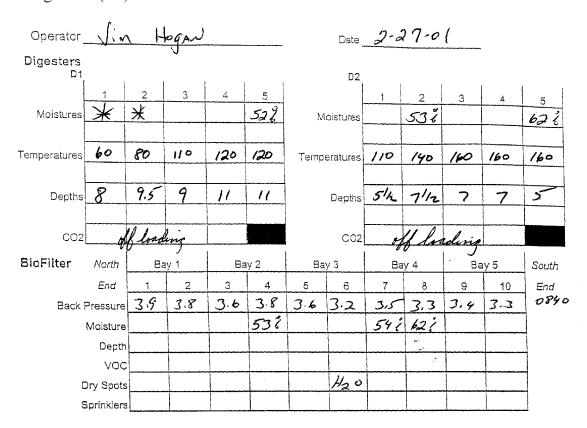
Appendix C Marlborough Facility Scale Receipts

Digester Temperature Data Sheets	C2
Facility Air Floor Temperature Data Sheets	C7

Appendix C: Marlborough Facility Temperature Logs



Facility Temperature Data Sheet #2 Digester 2 (D2) = NYC Material



Scrubbers

Back Pressure

BF	#3	
N	OUT	TOTAL
5,5	3.9	9.4

BF	#4	
IN	OUT	TOTAL
5.8	3.8	9.6

Notes/Comments: _	X UNA	ble to	get	A good	9RAS	5.Ample	
Notes/Comments: _ <u>Mostly</u>	day p	open t	501:15	<u> </u>	sign of	sludge	083
	Biodilten	Mois	Lne	camples	Hallen	2 2	
below	sunface						
	Worked	ow M	01-414	Compasit	- Paper	work	

BEDMINSTE	R MARBORC	OUGH , LLC							
DIGESTER D	АТА								
BATCH NUM	BER:	D-2/ 02-27-0	Digester#-Mo	nth of Loading-	Day of Loadin	g-Year			
	tons		tons		gallons				
DATE	TIME		LOADING		UNLOADING		DISCHARGE DA	TE	_
DATE	(AM/PM)	CMPRMNT #	TEMP (F)	MOISTURE CONTENT (% W BASIS)	CMPTMT DEPTH (feet)	PD BLOWER (CFM)	ph		
2/28/01	5:00AM	#1	80		4	20- 12			
		#2	120	-	6				
		#3	140		6				
		#4	150		7				
		#5	150		5.5				
	5:00AM	#1 [,]				26 			
		#2							
		#3							
		#4							
		#5							
	5:00AM	#1				Z JZ			
		#2							
		#3							
		#4							
		#5							

Facility Temperature Data Sheet #3

Temperature Readings from Five Comparison

Temperature Readings from Five Compartments of Digester with NYC Material

Operator Jim Hogan Date 3-1-01	Thon	
Hidesters		2
B.4		
D1 D2 D2 1 2 3 4 5 1 2 3	4	_ 1
Moistures 60% 57% Moistures 60%	-	5/2
Temperatures <50 72 98 110 108 Temperatures 62 120 130	146	148
Depths 6,5 7,5 7,5 7 8 Depths	-	
Depths 6.5 7.5 7.5 7 8 Depths	-	:
co2 0 % /2 co2 2 %	12	
		
BioFilter North Bay 1 Bay 2 Bay 3 Bay 4 End End 1 2 3 4 5 6 7 8 9	3ay 5 10	South
Back Pressure 3.5 3.1 3.1 3.2 3.2 2.9 3.1 3 3	2.9	
Moisture		
Depth		
voc		_
Dry Spots #50		-
Sprinklers		_
Scrubbers		
Back Pressure BF #3 BF #4		
IN OUT TOTAL IN OUT TOTAL	AL	
5.8 3.2 9 6 3.5 9.	5	
Notes/Comments:		

		_
		-

Appendix C: Marlborough Facility Temperature Logs

Depths 6 8.5 8 9 10 Depths 5.5 7 7.5 8 9 CO2
Moistures 5/3 60 90 110 110 Temperatures 65 115 120 138 19 Depths 6 8.5 8 9 10 Depths 5.5 7 7.5 8 9 CC2 **
Depths So So So So So So So S
Depths 6 8.5 8 9 10 Depths 5.5 7 7.5 8 9 CO2
CO2 OFilter North Bay 1 Bay 2 Bay 3 Bay 4 Bay 5 Solution Find 1 2 3 4 5 6 7 8 9 10 Find Back Pressure 3.2 3 3 3.1 3.1 3 3.1 3.1 3 3.1 3.9 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CO2 OFilter North Bay 1 Bay 2 Bay 3 Bay 4 Bay 5 Sol End 1 2 3 4 5 6 7 8 9 10 El Back Pressure Depth
OFilter North Bay 1 Bay 2 Bay 3 Bay 4 Bay 5 Soil End 1 2 3 4 5 6 7 8 9 10 Ei Back Pressure 3.2 3 3.1 3.1 3 3.1 2.9 3 3 0 Moisture Depth VOC
End 1 2 3 4 5 6 7 8 9 10 End 3 2 3 3 3 3 1 3 1 3 7 1 2 9 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Back Pressure 3.2 3 3 3.1 3.1 3 3.1 2.9 3 3 3 3.1 3.1 3 3.1 2.9 3 3 3 3 3 3 3 3 3
Moisture
Depth VOC Dry Spots H20 BF#3 Crubbers Ck Pressure BF#3 IN OUT TOTAL IN CUT TOTAL 6 3.3 9.3
Dry Spots H20 Sprinklers
Sprinklers Sprinklers Crubbers Sprinklers Sprin
SE SE SE SE SE SE SE SE
BF # 3 BF # 4 IN
BF # 3 BF # 4 IN
6 3.2 9.2
Name to the second of the seco
Name Community & law to a law type the Co. telt as
Notes/Comments. A process for the state of t

Date: 3/7/01

Zone	Aeration Blower	Material Floor No.		Temperatu (F)	re	AVG Temp	Moisture %	рН
						1011,6	,,,	
Z	1							
0	2	:						
N	3							
E	4						,	
#1		i						
Z	_							
0	7	7						
N	8	3						
Ε	9	9						
#2	10)						
Z	11	1						
0	12	2						
Ν		2-01-3-03						
E	14	2-01-3-02- 4 2-01-3-01	140 F	132 F	120 F			
#3		2-01-3-07 5 2-01-3-05	110 F	120 F	130 F			
z		2-01-3-03						
0	1	7						
N	11	}						
E	11							
#4	20	1						

Facility	Tempera	ature T)ata	Sheet	#2
I UVIIIU	TOTTLO	$u \cdot u \cdot v \cdot $	Julu	DIIOCU	$TT \angle$

Aeration Floor Compost Data
Floor Number Format: Year/Month/Day Material Was Placed on Floor

Zone	Aeration Blower	Material Floor No.		Temperatu (F)	ire	AVG Temp	Moisture %	рН
_				1		Temp	, · · · · · · · · · · · · · · · · · · ·	
<u>z</u>	1-1	<u> </u>		_		-		
0		2						
N	3							
E								
) 			+			
#1	5	5						
Z	(3						
0	7	,						
N	8	3						
E								
= #2	10		4					
				 				
Z	11				 	ļ		
0		2-01-3-03						
		2-01-3-02		<u></u>				
N	13	2-01-3-01	110 F	120 F	120 F	ļ	-	
E	14	2-01-3-05	120 F	120 F	126 F			
#3		2-01-3-03-						
 Z	16							
٠,				1	1			
0	17			-	<u> </u>	<u> </u>		
N	18	3						
E	19							
#A	20							

Date: 3/9/01

Date: 3/12/01

Facility Temperature Data Sheet #3

Zone	Aeration	Material		Temperatu	IFO.	AVG	Mainture	
20110	Blower	Floor No.		(F)	ite	Temp	Moisture %	р Н
Z	1							
0	2							
N	3							
E								
	4			_	_			
#1	5							
Z	6							
0	7							
N	8							
E	9							
#2	10							
Z	11							
	 							
0		2-01-3-03		_				
N	13		124 F	130 F	126 F			
E		2-01-3-07 2-01-3-05		114 F	116 F			
	14	2-01-3-03	120 1	114 -	1110 F			- W
#3	+ +							
Z	16							
0	17							
N	18							
E	19							
#4	20							

Date: 3/13/01

Zone	Aeration	Material Temperature				AVG	Moisture	pН
	Blower	Floor No.		(F)		Temp	%	
z	1		-4					
0	2							
N	3							
E	4							
 #1	5							
z	6							
0	7				1			
						<u> </u>		
N	8				<u> </u>			
E	9			-				
#2	10			i i				
Z	11	1						
0	12	2		<u> </u>				
N		2-01-3-03 2-01-3-02						
E	14	2-01-3-01	100 F	138 F	130 F			<u>:</u>
#3	15	2-01-3-05	136 F	132 F	130 F			
Z		2-01-3-03				ļ		
0	17	,						
N	15	3						
E	19	9						
#4	20							

Date:	3/14/01	

Zone	Aeration	Material		Temperatu	re	AVG	Moisture	pН
ļ	Blower	Floor No.		(F)	1	Temp	%	
z	1					:		
0	2							
N	3							
E	4							
#1	5							
<i>T</i> 1	<u> </u>							
z	6							
0	7							
N	8							
E	9							
#2	10							
z	11							
0	12							
N		2-01-3-03						
E	14	2-01-3-02	150 F	144 F	152 F			
		2-01-3-07		l'				
#3	15	2-01-3-05 2-01-3-03	146 F	140 F	138 F			
z				<u> </u>				
0	17							
N	18							
E	19							
#4	20							

Faci1	lity '	Temr	erature	Data	Sheet	#6
I avi	uu	TOTILL	Ciatuic	Data	DIICCL	$\pi \mathbf{v}$

Aeration Floor Compost Data
Floor Number Format: Year/Month/Day Material Was Placed on Floor

Zone	Aeration Blower	Material Floor No.		Temperati (F)	ıre	AVG Temp	Moisture %	рН
Z	1							
0	2							
N	3							
E	4							
#1	5							
Z	6							
0	7							
N	8							
E	9							
#2	10							
Z	11							
0		2-01-3-03						
N	13	2-01-3-02 2-01-3-01	120 F	130 F	140 F			
E	14	2-01-3-07 2-01-3-05	150 F	136 F	140 F			
#3		2-01-3-03						
Z	16	S						
0	17	,						
N	18	3						
E	19)						
#4	20							

Date: 3/15/01

Date:	3/20/01	

Zone	Aeration	Material		Temperatur	e	AVG	Moisture	рΗ
	Blower	Floor No.		(F)		Temp	%	
z	1							
0	2							
N	3							
Ε	4					 		
#1 .	5							
z	6							
0	7							
N	8							
Е	9							
#2	10							
Z	11							
0								<u> </u>
<u> </u>	 	2-01-3-03						
N	13	2-01-3-01	120 F	122 F	124 F	122 F		
Ε	14		140 F	140 F	155_F	145 F		
#3		2-01-3-03						
Z	16	2-01-3-16 2-01-3-15	100	110	110	106.6 F		
0		2-01-3-20 2-01-3-19	102			104.6 F		
N		2-01-3-17	102	102	110	104.0 1		
14	+ +	1						
E	19							
#4	20							

Date: 3/21/01

Zone	Aeration	Mater			Temperatu	ire	AVG	Moisture	рН
	Blower	Floor	NO.		(F)	1	Temp	%	
z	1								
0	2								
N	3								
E	4								
#1	5								
Z	6								
0	7								
N	8						•	·	
E	9								
#2	10								
Z		2-01-3	3-03			 			
0	12	2-01-3	3-01	120 F	134 F	138 F	130.6 F		
N	13	2-01-3 2-01-3	3-05	140 F	140 F	136 F	138.6 F		
E		2-01-3							
#3	15		3-15	118 F	110 F	110 F	112.6 F		
Z	16	2-01-3 2-01-3		110 F	102 F	104 F	105.3 F		
0		2-01-3	3-17						
N	18								
E	19								
#4	20								

Date: 3/22/01

Aeration	Material		Temperatu	re	AVG	Moisture	pН
Blower	Floor No.		(F)	T	Temp	%	
1							
2							
3							
4							
5							
6							
7	,						
8							
ê							
10		,					
	2-01-3-03						
12	2-01-3-01		140 F	132 F	134 F		
13	2-01-3-05	142 F	140 F	140 F	140.6 F		
15	2-01-3-15		106 F	120 F	112.3 F		
16	2-01-3-19	116 F	108 F	114 F	112.6 F		
	2-01-3-17						
18	3						
19							
20							
	Blower 1 2 3 3 4 5 5 6 6 7 8 8 9 10 12 13 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Blower Floor No. 1 2 3 3 4 5 6 7 8 9 10 2-01-3-03 2-01-3-02 12 2-01-3-07 13 2-01-3-05 2-01-3-03 2-01-3-05 2-01-3-15 2-01-3-16 15 2-01-3-20	Blower Floor No. 1 2 3 4 5 6 7 8 9 10 2-01-3-03 2-01-3-02 12 2-01-3-01 130 F 2-01-3-07 13 2-01-3-05 142 F 2-01-3-03 2-01-3-16 15 2-01-3-15 111 F 2-01-3-19 116 F 2-01-3-17 18 19 20	Blower Floor No. (F) 1	Blower Floor No. (F) 1	Blower Floor No. (F) Temp 1	Blower Floor No. (F) Temp % 1

<u>Aeration Floor Compost Data</u> Floor Number Format: Year/Month/Day Material Was Placed on Floor

Zone	Aeration	Material		Temperat	ure	AVG	Moisture	pН
	Blower	Floor No.		(F)		Temp	%	
Z	1							
0	2							
N	3							
E	4							
#1	5							
Z	6							
0	7							
N	8							
E	9							
#2	10							
Z		2-01-3-03						
0	12	2-01-3-02 2-01-3-01	156 F	142 F	140 F	146 F		
N	13	2-01-3-07 2-01-3-05	136 F	150 F	144 F	143.3 F		
E		2-01-3-03						
#3	15	2-01-3-16 2-01-3-15	108 F	112 F	122 F	114 F		
Z	16	2-01-3-20 2-01-3-19	110 F	109 F	110 F	109.6		
0		2-01-3-17						
N	18							
E	19							
#4	20			RITEN BY				

Date: 3/23/01

Date: 3/27/01

Facility Temperature Data Sheet #11

Zone	Aeration	Material		Temperature			Moisture	pН
	Blower _	Floor No.		(F)		Temp	%	
_								
<u> </u>	1							
)								
N	3							
Ε	4							
#1	5	5						
Z	6	3						
0		,						
N		3						
E								
#2	10							
Z		2-01-3-01						
0	12	2-01-3-02 2-01-3-01	70 F	140 F	130 F	113.3 F		
N	13	2-01-3-07 2-01-3-05	138 F	136 F	132 F	135.3 F	_	-
E		2-01-3-03						
#3	15	2-01-3-16 2-01-3-15	120 F	114 F	110 F	114.6 F		
Z	16	2-01-3-20 2-01-3-19	108 F	108 F	110 F	108.6 F		
0		2-01-3-17						
N	11	В						
E	11	9						,
#4	2			VRITEN BY				

<u>Aeration Floor Compost Data</u> Floor Number Format: Year/Month/Day Material Was Placed on Floor

Zone	Aeration	Material	T -	Temperat	ure	AVG	Moisture	pН
	Blower	Floor No.		(F)		Temp	%	F
Z	1							
0	2							
N	3							
E	4							
#1	5							
Z	6							
0	7							
N	8							
E	9							
#2	10							
z		2-01-3-03						
0	12		80 F	114 F	120 F	104.6 F		
N	13	2-01-3-07 2-01-3-05	120 F	126 F	130 F	125.3 F		
E		2-01-3-03						
#3	15	2-01-3-16 2-01-3-15	108 F	112 F	110 F	110 F		
Z	16	2-01-3-20 2-01-3-19	112 F	107 F	108 F	109 F		
0		2-01-3-17						
N	18							
E	19							
#4	20							
<i>n</i> -		L	DATA W	RITEN BY	GENO		<u> </u>	

Date: 3/28/01

3/29/01

Date:

Facility Temperature Data Sheet #13

Zone	Aeration	Material	Te	emperature		AVG	Moisture	pН
	Blower	Floor No.		(F)		Temp	%	
Z	_							
0	2	2						
N	3	3						
E	4							
#1	5	3						
Z	6	3						
0	7	,						
N	8	3						
E	9)						
#2	10							
Z	11							
0		2-01-3-03						
N	13	2-01-3-02 3 2-01-3-01	110	120	114	114.6 F		
E	14	2-01-3-07 2-01-3-05	100	150	150	133.3 F		
#3		2-01-3-03						
Z	16	2-01-3-16 2-01-3-15	110	114	116	113.3 F		
0		2-01-3-20 7 2-01-3-19	100	100		105.3 F		
N		2-01-3-17						
	19)						
E #4	20							

Aeration Floor Compost Data Floor Number Format: Year/Month/Day N

Zone	Aeration	Material	Ter	nperatur	е	AVG	Moisture	рН
	Blower	Floor No.		(F)		Temp	%	F''
z	1							
0	2	:						
V	3							
=	4							
¥1	5							
Z	6							
0	7							
V	8							
=	9							
# 2	10							
Z	11							
0		2-01-3-03						
N	13	2-01-3-02 2-01-3-01	110	120	114	114.6 F		
=	14	2-01-3-07 2-01-3-05	100	150	150	133.3 F		
‡ 3		2-01-3-03						
Z	16	2-01-3-16 2-01-3-15	110	114	116	113.3 F		•
)		2-01-3-20 2-01-3-19	100	100		105.3 F		
N		2-01-3-17						
E	19							
#4	20							

Date:

3/29/01

Date: 3/31/01

Facility Temperature Data Sheet #15

Aeration	Material		Femperatur	AVG	Moisture	pН	
Blower	Floor No.		(F)	· · · · · · · · · · · · · · · · · · ·	Temp	%	•
1							
	2						
3	3						
4	,						
				1			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16	2-01-3-15	120	122	112	118 F		
17	2-01-3-19	110	102	100	104 F		
	2-01-3-17						
19							
20		DATA WR					
	Blower 1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17		Blower Floor No. 1 2 3 3 4 5 6 7 8 8 9 10 11 12 13 14 15 2-01-3-16 2-01-3-15 120 2-01-3-19 110 2-01-3-17	Blower Floor No. (F) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 2-01-3-16 2-01-3-15 120 122 2-01-3-19 110 102 2-01-3-17	Blower Floor No. (F)	Blower Floor No. (F) Temp	Blower Floor No. (F) Temp % 1

<u>Aeration Floor Compost Data</u> Floor Number Format: Year/Month/Day Material Was Placed on Floor

Zone	Aeration	Material Temperature				AVG	Moisture	рН
	Blower	Floor No.		_(F)_		Temp	Worsture %	рп
Z	1					•		
	<u> </u>						 	
0	2							
N	3							
E	4							
#1	5							
Z	6							
0	7							
N	8							
E	9							
#2	10							
Z	11					·		
0 .		2-01-3-07						
N	13	2-01-3-05 2-01-3-03	100	110	110	106.6 F		
E		2-01-3-02 2-01-3-01						
#3	15							
Z	16	2-01-3-16 2-01-3-15	120	112	110	114 F		
0		2-01-3-20 2-01-3-19	118	114		115.3 F		
N		2-01-3-17						
E	19							
#4	20							

Date:

4/3/01