

Smith, George

From: Wiesman, Ronald <WiesmanR@hillsboroughcounty.org>
Sent: Wednesday, March 18, 2020 11:34 AM
To: Barker, Maurice; Morgan, Steve; SWD_Waste; Newsome, Kaitlyn
Cc: Schinella, Beth; Byer, Kimberly; O'Neill, Joseph; Ruiz, Larry
Subject: Hillsborough County February Composting Report
Attachments: February 2020 Rpt.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Mr. Barker,

The February composting report for Hillsborough County is attached.
Please advise should you have any questions concerning the information provided.

Thank you,

Ron Wiesman II

Manager

Solid Waste Management Division
Public Utilities Department

P: (813) 671-7707 VOIP 42801

M: (813) 455-2194

E: wiesmanr@HCFLGov.net

W: <http://HCFLGOV.net>

Hillsborough County

15960 County Road 672 Lithia, FL 33547

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**Hillsborough
County** Florida

SOLID WASTE MANAGEMENT

PO Box 1110 Tampa, FL 33601-1110
813-272-5680

March 18, 2020

Mr. Maurice Barker
Biosolids Coordinator
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

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John Lyons

Subject: Southeast County Landfill – Composting Monthly Report

Dear Mr. Barker:

Hillsborough County Solid Waste Management Division hereby submits the February composting report for Hillsborough County.

Should you have any questions or require additional information concerning this submittal, please contact me at (813) 671-7707.

Sincerely,

Ron Wiesman
Manager
Solid Waste Management Division

RWW/ya
Attachments

CC: Beth Schinella, Director, Water Resources Department
Kim Byer, Division Director, Solid Waste Management Division
Joseph O'Neill, Professional Engineer II, Solid Waste Management Division
Larry Ruiz, Section Manager, Solid Waste Management Division

Summary of Monthly Events

Biosolids Received (wet tons):	694.09 tons of biosolids received for the month.
Source of Biosolids:	Hillsborough County Falkenburg AWWTP
Source of Bulking Agent:	Consolidated Resource Recovery
General Description of Activities:	All incoming biosolids were mixed with bulking agent and formed into windrows on the same day as received. 4 windrows were formed and in active composting as of 2/29/20. Windrow temperatures were monitored daily. 2 windrows has met temperature and time requirements of the Process to Further Reduce Pathogens (PFRP). 2 windrow has been turned. No sampling was performed this month because all product is in active composting. Zero tons of finished compost was picked up by Life Soils.
Attachments:	A-D: Windrow construction and temperature records.

Attachment A

Hillsborough County Composting - Monitoring Sheet (MSAP Method)					Windrow # 20-2-6	
Windrow Construction:			Date Commenced: 2-3-20		Date Completed: 2-6-20	
Date	Operator Name	Biosolids (tons)	Biosolids (yards)	Yard Waste (yards)	Overs (yards)	Cover (yards)
2/3/20	Mike Bayne	22.74	29.56	56	0	24
2/3/20	Mike Bayne	22.94	29.82	56	0	24
2/4/20	Mike Bayne	23.30	30.29	56	0	24
2/4/20	Mike Bayne	21.71	28.22	56	0	24
2/5/20	Mike Bayne	22.22	28.89	56	0	24
2/5/20	Mike Bayne	21.90	28.47	56	0	24
2/6/20	Mike Bayne	23.24	30.21	56	0	24
2/6/20	Mike Bayne	18.51	24.06	56	0	24
Totals		176.56	229.53	448.00	0.00	192.00
Windrow Construction ratio:		2.79 /1				
Note: Yard waste yards = number of buckets * 4.00						

MSAP Process Temperature Chart Windrow # 20-2-6													
Temperature: Shading equals temperature 131 or greater for PFRP.													
Days	Date	Point 1		Point 2		Point 3		Point 4		Average		PFR	Turn
		12	36	12	36	12	36	12	36	12"	36"		
1	2/7/20	156	150	142	146	150	136	140	120	147	138		
2	2/8/20	148	142	138	136	140	132	140	146	141.5	139		
3	2/9/20												
4	2/10/20	148	142	146	135	147	138	154	141	148.75	139		
5	2/11/20	156	146	154	141	150	140	161	150	155.25	144.25		
6	2/12/20	152	156	150	152	150	152	154	148	151.5	152		
7	2/13/20	151	158	153	148	152	150	158	160	153.5	154		
8	2/14/20	150	156	152	150	148	152	154	146	151	151		
9	2/15/20	150	156	154	152	154	156	148	150	151.5	153.5		
10	2/16/20												
11	2/17/20	158	154	168	170	161	159	163	159	162.5	160.5		
12	2/18/20	161	160	167	172	162	159	166	165	164	164		
13	2/19/20	160	162	158	164	160	162	162	163	160	162.75		
14	2/20/20	159	160	158	162	160	160	162	161	159.75	160.75		
15	2/21/20	160	158	158	160	157	154	164	157	159.75	157.25		
16	2/22/20	141	155	144	153	148	161	153	155	146.5	156		
17	2/23/20											x	
18	2/24/20	138	141	135	150	144	146	147	151	141	147		x
19	2/25/20	150	158	148	156	158	162	156	160	153	159		
20	2/26/20	162	164	154	160	160	158	156	160	158	160.5		
21	2/27/20	156	164	150	160	150	160	155	158	152.75	160.5		
22	2/28/20	150	162	148	162	150	160	153	156	150.25	160		
23	2/29/20	148	163	146	162	148	161	150	154	148	160		

Attachment B

Hillsborough County Composting - Monitoring Sheet (MSAP Method)					Windrow # 20-2-13	
Windrow Construction:			Date Commenced: 2-10-20		Date Completed: 2-13-20	
Date	Operator Name	Biosolids (tons)	Biosolids (yards)	Yard Waste (yards)	Overs (yards)	Cover (yards)
2/10/20	Mike Bayne	19.37	25.18	64	0	24
2/11/20	Mike Bayne	22.01	28.61	64	0	24
2/11/20	Mike Bayne	18.89	24.56	64	0	24
2/12/20	Mike Bayne	23.12	30.06	60	0	24
2/12/20	Mike Bayne	22.15	28.80	64	0	24
2/12/20	Mike Bayne	25.36	32.97	64	0	24
2/13/20	Mike Bayne	18.96	24.65	64	0	24
2/13/20	Mike Bayne	23.28	30.26	64	0	24
Totals		173.14	225.08	508.00	0.00	192.00
Windrow Construction ratio:		3.11 /1				
Note: Yard waste yards = number of buckets * 4.00						

MSAP Process Temperature Chart Windrow # 20-2-13													
Temperature: Shading equals temperature 131 or greater for PFRP.													
Days	Date	Point 1		Point 2		Point 3		Point 4		Average		PFR	Turn
		12	36	12	36	12	36	12	36	12"	36"		
1	2/14/20	156	144	140	133	142	138	138	130	144	136.25		
2	2/15/20	158	152	144	140	150	146	138	132	147.5	142.5		
3	2/16/20												
4	2/17/20	158	157	158	158	152	148	148	144	154	151.75		
5	2/18/20	159	160	160	162	155	150	155	155	157.25	156.75		
6	2/19/20	156	160	160	164	158	152	156	154	157.5	157.5		
7	2/20/20	158	162	160	164	158	152	156	154	158	158		
8	2/21/20	160	157	161	163	154	150	156	154	157.75	156		
9	2/22/20	134	146	137	140	140	153	138	146	137.25	146.25		
10	2/23/20												
11	2/24/20	151	161	159	157	144	140	150	150	151	152		
12	2/25/20	152	158	154	156	150	154	150	154	151.5	155.5		
13	2/26/20	154	160	162	150	153	148	152	156	155.25	153.5		
14	2/27/20	150	158	158	160	155	154	150	158	153.25	157.5		
15	2/28/20	150	156	154	160	153	156	150	160	151.75	158		
16	2/29/20	156	158	156	158	154	154	152	156	154.5	156.5		

Attachment C

Hillsborough County Composting - Monitoring Sheet (MSAP Method)					Windrow # 20-2-20	
Windrow Construction:			Date Commenced: 2-17-20		Date Completed: 2-20-20	
Date	Operator Name	Biosolids (tons)	Biosolids (yards)	Yard Waste (yards)	Overs (yards)	Cover (yards)
2/17/20	Mike Bayne	23.24	30.21	64	0	24
2/17/20	Mike Bayne	18.79	24.43	64	0	24
2/18/20	Mike Bayne	16.29	21.18	64	0	24
2/18/20	Mike Bayne	22.06	28.68	64	0	24
2/19/20	Sean Kinsey	21.68	28.18	64	0	24
2/19/20	Sean Kinsey	23.46	30.50	64	0	24
2/20/20	Sean Kinsey	21.48	27.92	64	0	24
2/20/20	Sean Kinsey	22.11	28.74	64	0	24
Totals		169.11	219.84	512.00	0.00	192.00
Windrow Construction ratio:		3.20 /1				
Note: Yard waste yards = number of buckets * 4.00						

MSAP Process Temperature Chart Windrow # 20-2-20													
Temperature: Shading equals temperature 131 or greater for PFRP.													
Days	Date	Point 1		Point 2		Point 3		Point 4		Average		PFR	Turn
		12	36	12	36	12	36	12	36	12"	36"		
1	2/21/20	144	140	146	150	148	150	140	144	144.5	146		
2	2/22/20	140	145	132	132	139	140	138	141	137.25	139.5		
3	2/23/20												
4	2/24/20	149	145	146	136	155	155	143	135	148.25	142.75		
5	2/25/20	150	156	156	162	155	160	149	152	152.5	157.5		
6	2/26/20	152	156	156	160	157	160	153	156	154.5	158		
7	2/27/20	142	156	158	160	154	162	154	160	152	159.5		
8	2/28/20	148	154	156	162	156	160	158	160	154.5	159		
9	2/29/20	148	152	150	162	156	160	158	160	153	158.5		

Attachment D

Hillsborough County Composting - Monitoring Sheet (MSAP Method)					Windrow # 20-2-27	
Windrow Construction:			Date Commenced: 2-24-20		Date Completed: 2-27-20	
Date	Operator Name	Biosolids (tons)	Biosolids (yards)	Yard Waste (yards)	Overs (yards)	Cover (yards)
2/24/20	Jerry Devoe	23.05	29.97	64	0	24
2/24/20	Jerry Devoe	22.95	29.84	64	0	24
2/25/20	Sean Kinsey	23.06	29.98	64	0	24
2/25/20	Sean Kinsey	15.96	20.75	64	0	24
2/26/20	Sean Kinsey	23.30	30.29	64	0	24
2/26/20	Sean Kinsey	23.29	30.28	64	0	24
2/27/20	Mike Bayne	20.22	26.29	64	0	24
2/27/20	Mike Bayne	23.25	30.23	64	0	24
Totals		175.08	227.60	512.00	0.00	192.00
Windrow Construction ratio:		3.09 /1				
Note: Yard waste yards = number of buckets * 4.00						

MSAP Process Temperature Chart Windrow # 20-2-27													
Temperature: Shading equals temperature 131 or greater for PFRP.													
Days	Date	Point 1		Point 2		Point 3		Point 4		Average		PFR	Turn
		12	36	12	36	12	36	12	36	12"	36"		
1	2/28/20	150	150	152	148	138	135	140	126	145	139.75		
2	2/29/20	150	156	154	150	146	156	146	140	149	150.5		