



PUBLIC WORKS

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MEMORANDUM

DATE November 3, 2017

TO: Steve Morgan, Environmental Permitting Manager, FDEP
Lance Kautz, Environmental Specialist I, FDEP

FROM: Larry Ruiz, Section Manager, Public Works, SWMD

SUBJECT: Hillsborough County Biosolids Composting Monthly Report: October 2017

**BOARD OF COUNTY
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Lucia E. Garsys

Biosolids Received (wet tons):	No biosolids received for the month.
Source of Biosolids:	Hillsborough County Falkenburg AWWTP
Source of Bulking Agent:	Hillsborough County South County Yard Waste Processing Site
General Description of Activities:	2 windrows has met temperature and time requirements of the Process to Further Reduce Pathogens (PFRP). 10 windrows have been turned. The previous 8 windrows have been moved to the curing section and combined for a total of 10 curing windrows. Sampling was performed on October 24, 2017. 21.42 tons of finished compost was picked up by Life Soils.
Attachments:	A-B: Windrow construction and temperature records.

LER/rww
Attachments

CC: Beth Schinella, Division Director, Utility Operations, PUD
Kim Byer, Division Director, Solid Waste Management Division, PWD
Ron Wiesman, Manager, Southeast County Landfill, PWD/SWMD

Attachment A

MSAP Process Temperature Chart Windrow# 17-9-6																																
Temperature: Shading equals temperature 131 or greater for PFRP.																																
Days	Date	Point 1				Point 2				Point 3				Point 4				Average				Turn										
		10	20	30	40	10	20	30	40	10	20	30	40	10	20	30	40	10"	20"	30"	40"											
1	9/7/17	134	128	118	112	140	134	120	119	142	130	112	110	138	132	128	121	138.5	131	119.5	115.5											
2	9/8/17	138	132	125	121	145	138	132	124	146	134	128	118	141	136	131	130	142.5	135	129	123.25											
3	9/9/17																	#####	#####	#####	#####											
4	9/10/17					** Hurricane Irma **																										
5	9/11/17																		#####	#####	#####	#####										
6	9/12/17	124	128	128	127	123	138	144	142	123	127	128	125	119	131	134	132	122.25	131	133.5	131.5											
7	9/13/17	125	128	133	136	128	136	145	144	132	135	137	139	126	132	136	134	127.75	132.75	137.75	138.25											
8	9/14/17	131	132	136	141	132	135	144	145	139	141	142	144	135	138	140	146	134.25	136.5	140.5	144											
9	9/15/17	136	140	145	147	136	141	144	145	136	140	144	146	140	141	150	155	137	140.5	145.75	148.25											
10	9/16/17	136	144	145	150	138	144	148	150	140	142	145	148	145	150	150	156	139.75	145	147	151											
11	9/17/17																															
12	9/18/17	132	138	140	146	135	144	148	148	136	138	140	144	140	144	148	152	135.75	141	144	147.5											
13	9/19/17	133	136	140	145	135	142	146	148	135	136	140	144	139	142	146	150	135.5	139	143	146.75											
14	9/20/17	133	136	140	142	134	138	144	146	133	136	140	142	136	140	146	148	134	137.5	142.5	144.5											
15	9/21/17	132	135	141	140	132	138	142	146	138	140	142	142	136	140	144	144	134.5	138.25	142.25	143	Turn										
16	9/22/17	142	144	147	147	141	143	145	147	151	152	149	143	149	148	150	146	145.75	146.75	147.75	145.75											
17	9/23/17	138	140	144	150	140	142	144	144	150	144	148	144	142	144	146	144	142.5	142.5	145.5	145.5											
18	9/24/17																															
19	9/25/17	151	147	144	148	138	146	146	146	154	144	146	146	148	152	148	145	147.75	147.25	146	146.25	Turn										
20	9/26/17	151	148	145	148	136	145	146	147	152	148	148	146	146	151	148	146	146.25	148	146.75	146.75											
21	9/27/17	160	158	152	150	152	150	148	146	156	152	146	146	153	150	148	146	155.25	152.5	148.5	147											
22	9/28/17	160	158	152	145	152	154	150	146	151	154	150	145	160	160	159	157	155.75	156.5	152.75	148.25											
23	9/29/17	158	158	156	150	151	154	156	151	150	156	154	148	158	160	162	160	154.25	157	157	152.25											
24	9/30/17	152	156	160	156	150	153	158	154	150	155	156	153	154	158	161	161	151.5	155.5	158.75	156											
25	10/1/17																															
26	10/2/17	157	162	162	158	152	158	156	152	145	151	152	148	148	166	168	159	150.5	159.25	159.5	154.25	Turn										
27	10/3/17	159	156	146	142	144	151	144	140	143	141	148	142	146	162	164	164	148	152.5	150.5	147											
28	10/4/17	151	153	150	145	146	150	152	150	141	149	148	144	145	161	163	162	145.75	153.25	153.25	150.25											
29	10/5/17	151	156	158	159	145	144	150	150	136	144	152	155	154	158	158	156	146.5	150.5	154.5	155											
30	10/6/17	150	156	158	158	144	148	151	151	136	145	151	154	150	157	162	162	145	151.5	155.5	156.25											
31	10/7/17	150	156	159	157	142	151	152	152	136	145	151	152	148	157	165	165	144	152.25	156.75	156.5											
32	10/8/17																															
33	10/9/17	148	156	158	158	136	144	149	150	139	143	150	152	154	164	166	167	144.25	151.75	155.75	156.75											
34	10/10/17	156	165	164	162	148	156	158	154	145	148	150	151	149	157	158	158	149.5	156.5	157.5	156.25	Turn										
35	10/11/17	148	161	164	163	145	152	160	157	145	146	155	153	148	156	160	159	146.5	153.75	159.75	158											

Attachment B

MSAP Process Temperature Chart Windrow# 17-9-8																							
Temperature: Shading equals temperature 131 or greater for PFRP.																							
Days	Date	Point 1				Point 2				Point 3				Point 4				Average				Turn	
		10	20	30	40	10	20	30	40	10	20	30	40	10	20	30	40	10"	20"	30"	40"		
1	9/9/17																	#####	#####	#####	#####		
2	9/10/17			**		Hurricane	Irma	**															
3	9/11/17																		#####	#####	#####	#####	
4	9/12/17	136	137	136	131	132	133	133	130									134	135	134.5	130.5		
5	9/13/17	141	140	136	132	136	135	134	131									138.5	137.5	135	131.5		
6	9/14/17	145	142	136	134	138	136	134	132									141.5	139	135	133		
7	9/15/17	144	146	140	138	141	139	136	134									142.5	142.5	138	136		
8	9/16/17	142	145	141	138	140	138	138	136									141	141.5	139.5	137		
9	9/17/17																						
10	9/18/17	138	142	148	143	139	138	142	137									138.5	140	145	140		
11	9/19/17	138	140	146	144	138	138	144	136									138	139	145	140		
12	9/20/17	136	139	145	145	136	138	145	140									136	138.5	145	142.5		
13	9/21/17	135	138	146	148	136	137	146	144									135.5	137.5	146	146		
14	9/22/17	134	136	145	148	135	138	145	147									134.5	137	145	147.5		
15	9/23/17	132	137	145	150	132	135	146	148									132	136	145.5	149		
16	9/24/17																						
17	9/25/17	134	136	148	150	132	136	148	148									133	136	148	149	Turn	
18	9/26/17	148	150	152	148	158	154	148	146									153	152	150	147		
19	9/27/17	148	152	156	152	164	160	154	148									156	156	155	150		
20	9/28/17	148	150	156	154	162	164	158	154									155	157	157	154		
21	9/29/17	146	150	158	158	158	161	162	158									152	155.5	160	158		
22	9/30/17	145	152	161	160	158	159	162	160									151.5	155.5	161.5	160		
23	10/1/17																						
24	10/2/17	142	166	166	154	158	168	172	168									150	167	169	161		
25	10/3/17	146	160	161	150	141	158	161	156									143.5	159	161	153		
26	10/4/17	145	160	164	164	140	154	163	160									142.5	157	163.5	162		
27	10/5/17	134	152	164	166	130	156	166	166									132	154	165	166	Turn	
28	10/6/17	148	156	162	162	152	161	164	162									150	158.5	163	162		
29	10/7/17	144	160	163	164	158	162	165	162									151	161	164	163		
30	10/8/17																						
31	10/9/17	155	161	162	162	158	162	164	163									156.5	161.5	163	162.5	Turn	
32	10/10/17	150	158	161	163	146	158	160	162									148	158	160.5	162.5		
33	10/11/17	148	156	160	162	145	158	161	162									146.5	157	160.5	162		