

# HILLSBOROUGH COUNTY

Florida

Office of the County Administrator  
Daniel A. Kleman

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Mr. Kim Ford  
Florida Department of Environmental Protection  
3804 Coconut Palm  
Tampa, Florida 33619

RE: Southeast Landfill  
Permit No. SO29-158504  
Quantity Report

41193

4029C30075

**RECEIVED**  
FEB 6 1995

**EA, SOLID WASTE**

Dear Mr. Ford:

In accordance with your request dated March 30, 1993, the Department of Solid Waste (DSW) is submitting the quarterly report for quantities of leachate disposed of at the Southeast County Landfill. A summary sheet for each day is provided with the quantities of leachate that were disposed of by the County and the Contractor. The leachate was disposed of at a wastewater treatment facility.

Should you have any questions concerning this information, please contact Sarah Hill at 276-2926.

Sincerely,

Patricia V. Berry  
Landfill Services Section Manager

PVB/sh

Attachments

xc: Robert Butera, FDEP Tampa  
Steve Morgan, FDEP Tampa  
Kathy Anderson, FDEP Tallahassee  
Paul Schipfer, HCEPC  
Steve Hamilton, SCS Engineers

DATE 1994	COUNTY HAULED	CONTRACTOR HAULED	RECIRCULATION	DAILY AMT
OCT 1	0	0	0	0
OCT 2	0	0	0	0
OCT 3	0	0	0	0
OCT 4	0	0	0	0
OCT 5	0	0	0	0
OCT 6	0	0	0	0
OCT 7	0	0	0	0
OCT 8	0	0	0	0
OCT 9	0	0	0	0
OCT 10	0	0	0	0
OCT 11	6,357	37,265	0	43,622
OCT 12	12,630	37,409	0	50,039
OCT 13	18,932	37,400	0	56,332
OCT 14	18,970	37,456	0	56,426
OCT 15	0	37,558	0	37,558
OCT 16	0	0	0	0
OCT 17	12,388	0	0	12,388
OCT 18	19,026	12,540	0	31,566
OCT 19	18,910	50,153	8,500	77,563
OCT 20	12,890	73,879	0	86,769
OCT 21	19,446	61,968	0	81,414
OCT 22	0	61,702	0	61,702
OCT 23	0	0	0	0
OCT 24	19,328	49,513	0	68,841
OCT 25	25,678	49,581	0	75,259
OCT 26	6,446	61,738	0	68,184
OCT 27	19,348	61,919	0	81,267
OCT 28	19,244	61,887	8,000	89,131
OCT 29	0	56,649	0	56,649
OCT 30	0	0	0	0
OCT 31	12,898	62,175	0	75,073
MTHLY TOTAL	===== 242,491	===== 850,792	===== 16,500	===== 1,109,783

DATE 1994	COUNTY HAULED	CONTRACTOR HAULED	RECIRCULATION	DAILY AMT
NOV 1	19,229	31,137	0	50,366
NOV 2	6,381	57,458	0	63,839
NOV 3	13,131	61,570	0	74,701
NOV 4	18,975	55,573	8,500	83,048
NOV 5	0	61,931	0	61,931
NOV 6	0	0	0	0
NOV 7	12,675	54,192	8,500	75,367
NOV 8	19,140	59,804	0	78,944
NOV 9	6,477	60,052	0	66,529
NOV 10	19,154	60,799	8,500	88,453
NOV 11	0	59,046	0	59,046
NOV 12	0	59,803	0	59,803
NOV 13	0	0	0	0
NOV 14	13,023	60,020	0	73,043
NOV 15	12,930	60,200	0	73,130
NOV 16	6,407	60,589	0	66,996
NOV 17	19,420	60,499	0	79,919
NOV 18	6,482	60,462	0	66,944
NOV 19	0	60,413	8,500	68,913
NOV 20	0	0	0	0
NOV 21	19,301	60,471	0	79,772
NOV 22	18,964	60,525	8,500	87,989
NOV 23	6,344	60,628	8,500	75,472
NOV 24	0	0	0	0
NOV 25	0	60,591	8,500	69,091
NOV 26	0	60,622	8,500	69,122
NOV 27	0	0	0	0
NOV 28	19,137	60,918	8,500	88,555
NOV 29	12,875	60,352	8,500	81,727
NOV 30	6,484	60,720	8,500	75,704
NOV 31				0
MTHLY TOTAL	=====	=====	=====	=====
	256,529	1,468,375	93,500	1,818,404

DATE 1994	COUNTY HAULED	CONTRATOR HAULED	RECIRCULATION	DAILY AMT
DEC 1	19,354	60,422	8,500	88,276
DEC 2	12,796	60,509	8,500	81,805
DEC 3	0	60,582	8,500	69,082
DEC 4	0	0	0	0
DEC 5	19,162	60,493	0	79,655
DEC 6	19,487	60,433	0	79,920
DEC 7	6,534	60,333	8,500	75,367
DEC 8	19,533	54,306	17,000	90,839
DEC 9	19,384	60,157	8,500	88,041
DEC 10	0	61,224	8,500	69,724
DEC 11	0	0	0	0
DEC 12	19,505	60,658	0	80,163
DEC 13	19,368	60,635	8,500	88,503
DEC 14	6,455	60,359	0	66,814
DEC 15	0	60,431	8,500	68,931
DEC 16	0	60,240	8,500	68,740
DEC 17	0	60,477	8,500	68,977
DEC 18	0	0	0	0
DEC 19	57,037	62,468	8,500	128,005
DEC 20	56,946	62,296	8,500	127,742
DEC 21	56,762	62,403	0	119,165
DEC 22	56,826	68,519	0	125,345
DEC 23	56,879	62,124	0	119,003
DEC 24	56,971	0	0	56,971
DEC 25	0	0	0	0
DEC 26	56,700	68,200	0	124,900
DEC 27	56,592	68,620	0	125,212
DEC 28	57,299	68,654	0	125,953
DEC 29	56,876	68,658	8,500	134,034
DEC 30	56,805	68,646	8,500	133,951
DEC 31	56,483	68,693	8,500	133,676
	=====	=====	=====	=====
	843,754	1,630,540	144,500	2,618,794

Bottom Liner Leakage,  $gpd$   
 (Assume Liner Thickness = 4 ft)

Darcy Law  
 $SE LF$

$\frac{h+H}{H}$	Head		Hydraulic Conductivity, $cm/sec$		
	Inches	FT	$1 \times 10^{-7}$	$5 \times 10^{-8}$	$3.1 \times 10^{-8}$
1.25	12	1	115	58	36
1.5	24	2	139	69	43
1.75	36	3	162	81	50
1.9	43.2	3.6	176	88	54
	48	4	185	92	57
	60	5	208	104	64
	72	6	231	115	72

$$Q = k \left( \frac{h+H}{H} \right) \left( 9.234 \times 10^{-8} \frac{gpad}{cm/sec} \right)$$