

2004 ANNUAL LEACHATE WATER BALANCE SUMMARY



MONTH	RAINFALL (inches)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS (NET DIFFERENCE)	TOTAL LEACHATE TREATED	BALANCE
JANUARY, 2004	1.94	437,502	(28,001)	441,760	23,743
FEBRUARY, 2004	3.40	318,806	15,469	301,200	2,137
MARCH, 2004	0.57	466,502	9,177	451,800	23,879
APRIL, 2004	1.13	412,417	(18,824)	396,580	34,661
MAY, 2004	0.70	150,565	16,675	190,080	-22,840
JUNE, 2004	9.64	560,160	17,094	456,895	86,171
JULY, 2004	6.92	953,227	(39,590)	870,000	43,637
AUGUST, 2004	13.73	1,160,350	(7,970)	1,238,150	-85,770
SEPTEMBER, 2004	6.82	1,500,008	(27,372)	1,761,100	-233,720
OCTOBER, 2004	0.00	-	-	-	-
NOVEMBER, 2004	0.00	-	-	-	-
DECEMBER, 2004	0.00	-	-	-	0
TOTAL FOR 2004	44.85	5,959,536	(63,342)	6,107,565	-128,103

JANUARY 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
12/31/03							103,247		
1/1/04	10.55	0.6	0	-	-	-		-	
1/2/04	10.55	0.6	0	-	-	-		-	
1/3/04	10.55	0.6	0	-	-	-		-	
1/4/04	10.55	0.6	0	-	-	-		-	
1/5/04	10.55	0.6	0	-	-	-		-	
1/6/04	10.55	0.6	0	-	-	-		-	
1/7/04	10.55	0.6	0	-	34,499	34,499		30,120	
1/8/04	10.55	0.6	0	-	23,331	23,331		30,120	
1/9/04	10.55	0.6	0	-	-	-		-	
1/10/04	10.55	0.6	0.06	49	-	49		-	
1/11/04	10.55	0.6	0	-	-	-		-	
1/12/04	10.55	0.6	0	-	-	-		10,040	
1/13/04	10.55	0.6	0	-	34,208	34,208		30,120	
1/14/04	10.55	0.6	0	-	26,979	26,979		30,120	
1/15/04	10.55	0.6	0	-	24,278	24,278		30,120	
1/16/04	10.55	0.6	0	-	23,644	23,644		30,120	
1/17/04	10.55	0.6	0	-	21,245	21,245		-	
1/18/04	10.55	0.6	0	-	-	-		-	
1/19/04	10.55	0.6	0.97	799	24,372	25,171		30,120	
1/20/04	10.55	0.6	0.13	107	25,150	25,257		20,080	
1/21/04	10.55	0.6	0	-	21,409	21,409		25,100	
1/22/04	10.55	0.6	0	-	-	-		-	
1/23/04	10.55	0.6	0	-	25,727	25,727		30,120	
1/24/04	10.55	0.6	0	-	20,355	20,355		-	
1/25/04	10.55	0.6	0	-	-	-		-	
1/26/04	10.55	0.6	0	-	51,072	51,072		25,100	
1/27/04	10.55	0.6	0	-	11,400	11,400		30,120	
1/28/04	10.55	0.6	0	-	18,243	18,243		30,120	
1/29/04	10.55	0.6	0	-	18,892	18,892		30,120	
1/30/04	10.55	0.6	0	-	31,103	31,103		30,120	
1/31/04	10.55	0.6	0.78	643	-	643	75,246	-	
<b>TOTALS</b>	10.55	0.6	1.94	1,599	435,903	437,502		441,760	
NET DIFFERENCE							-28,001	BALANCE	23,743

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

FEBRUARY 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED (from underdrains)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
1/31/04							75,248		
2/1/04	10.55	0.6	0.75	618	-	618		-	
2/2/04	10.55	0.6	0	-	27,488	27,488		-	
2/3/04	10.55	0.6	0	-	-	-		-	
2/4/04	10.55	0.6	0	-	-	-		-	
2/5/04	10.55	0.6	0	-	-	-		-	
2/6/04	10.55	0.6	0.25	206	-	206		-	
2/7/04	10.55	0.6	0	-	-	-		-	
2/8/04	10.55	0.6	0	-	-	-		-	
2/9/04	10.55	0.6	0	-	-	-		20,080	
2/10/04	10.55	0.6	0	-	32,978	32,978		15,060	
2/11/04	10.55	0.6	0	-	26,783	26,783		25,100	
2/12/04	10.55	0.6	0	-	24,555	24,555		20,080	
2/13/04	10.55	0.6	0	-	-	-		20,080	
2/14/04	10.55	0.6	0	-	-	-		-	
2/15/04	10.55	0.6	0.9	742	-	742		-	
2/16/04	10.55	0.6	0	-	-	-		20,080	
2/17/04	10.55	0.6	0	-	64,097	64,097		30,120	
2/18/04	10.55	0.6	0	-	16,486	16,486		15,060	
2/19/04	10.55	0.6	0	-	23,401	23,401		30,120	
2/20/04	10.55	0.6	0	-	25,028	25,028		30,120	
2/21/04	10.55	0.6	0	-	-	-		-	
2/22/04	10.55	0.6	0	-	-	-		-	
2/23/04	10.55	0.6	0	-	29,150	29,150		30,120	
2/24/04	10.55	0.6	1.5	1,236	24,497	25,733		30,120	
2/25/04	10.55	0.6	0	-	21,541	21,541		15,060	
2/26/04	10.55	0.6	0	-	-	-		-	
2/27/04	10.55	0.6	0	-	-	-		-	
2/28/04	10.55	0.6	0	-	-	-		-	
2/29/04	10.55	0.6	0	-	-	-	80,715	-	
TOTALS	10.55	0.6	3.40	2,802	316,004	318,808		301,200	
					NET DIFFERENCE		15,469	BALANCE	2,137

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

MARCH 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
2/29/04							80,715		
3/1/04	10.55	0.6	0	-	-	-		15,080	
3/2/04	10.55	0.6	0	-	27,990	27,990		5,020	
3/3/04	10.55	0.6	0	-	-	-		30,120	
3/4/04	10.55	0.6	0	-	40,917	40,917		30,120	
3/5/04	10.55	0.6	0	-	22,834	22,834		15,080	
3/6/04	10.55	0.6	0	-	21,913	21,913		-	
3/7/04	10.55	0.6	0	-	-	-		-	
3/8/04	10.55	0.6	0	-	-	-		15,080	
3/9/04	10.55	0.6	0	-	-	-		5,020	
3/10/04	10.55	0.6	0	-	-	-		5,020	
3/11/04	10.55	0.6	0	-	-	-		10,040	
3/12/04	10.55	0.6	0	-	35,672	35,672		15,080	
3/13/04	10.55	0.6	0	-	-	-		-	
3/14/04	10.55	0.6	0	-	-	-		-	
3/15/04	10.55	0.6	0	-	-	-		15,080	
3/16/04	10.55	0.6	0	-	-	-		15,080	
3/17/04	10.55	0.6	0.57	470	46,250	46,720		30,120	
3/18/04	10.55	0.6	0	-	19,620	19,620		20,080	
3/19/04	10.55	0.6	0	-	32,354	32,354		15,080	
3/20/04	10.55	0.6	0	-	20,111	20,111		20,080	
3/21/04	10.55	0.6	0	-	31,275	31,275		-	
3/22/04	10.55	0.6	0	-	-	-		30,120	
3/23/04	10.55	0.6	0	-	-	-		30,120	
3/24/04	10.55	0.6	0	-	30,055	30,055		30,120	
3/25/04	10.55	0.6	0	-	28,698	28,698		30,120	
3/26/04	10.55	0.6	0	-	25,241	25,241		30,120	
3/27/04	10.55	0.6	0	-	-	-		-	
3/28/04	10.55	0.6	0	-	-	-		-	
3/29/04	10.55	0.6	0	-	32,974	32,974		5,020	
3/30/04	10.55	0.6	0	-	26,365	26,365		35,140	
3/31/04	10.55	0.6	0	-	23,765	23,765	81,538	-	
TOTALS	10.55	0.6	0.57	470	466,032	466,502		451,800	
NET DIFFERENCE							9,177	BALANCE	23,879

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

APRIL 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
3/31/04							81,538		
4/1/04	10.55	0.6	0	-	22,605	22,605		30,120	
4/2/04	10.55	0.6	0	-	22,021	22,021		30,120	
4/3/04	10.55	0.6	0	-	18,579	18,579		-	
4/4/04	10.55	0.6	0	-	-	-		-	
4/5/04	10.55	0.6	0	-	25,109	25,109		30,120	
4/6/04	10.55	0.6	0	-	20,150	20,150		30,120	
4/7/04	10.55	0.6	0	-	27,481	27,481		30,120	
4/8/04	10.55	0.6	0	-	27,869	27,869		25,100	
4/9/04	10.55	0.6	0	-	27,341	27,341		10,040	
4/10/04	10.55	0.6	0	-	24,970	24,970		-	
4/11/04	10.55	0.6	0	-	-	-		-	
4/12/04	10.55	0.6	0.6	494	14,872	15,366		30,120	
4/13/04	10.55	0.6	0.53	437	18,276	18,713		30,120	
4/14/04	10.55	0.6	0	-	20,482	20,482		30,120	
4/15/04	10.55	0.6	0	-	18,206	18,206		30,120	
4/16/04	10.55	0.6	0	-	18,271	18,271		-	
4/17/04	10.55	0.6	0	-	18,350	18,350		-	
4/18/04	10.55	0.6	0	-	-	-		-	
4/19/04	10.55	0.6	0	-	18,517	18,517		30,120	
4/20/04	10.55	0.6	0	-	15,908	15,908		30,120	
4/21/04	10.55	0.6	0	-	33,175	33,175		-	
4/22/04	10.55	0.6	0	-	-	-		-	
4/23/04	10.55	0.6	0	-	19,306	19,306		30,120	
4/24/04	10.55	0.6	0	-	-	-		-	
4/25/04	10.55	0.6	0	-	-	-		-	
4/26/04	10.55	0.6	0	-	-	-		-	
4/27/04	10.55	0.6	0	-	-	-		-	
4/28/04	10.55	0.6	0	-	-	-		-	
4/29/04	10.55	0.6	0	-	-	-		-	
4/30/04	10.55	0.6	0	-	-	-	62,714	-	
TOTALS	10.55	0.6	1.13	931	411,486	412,417		396,580	
					NET DIFFERENCE		-18,824	BALANCE	34,661

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

MAY 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
4/30/04							62,714		
5/1/04	10.55	0.6	0	-	-	-		-	
5/2/04	10.55	0.6	0.7	577	-	577		-	
5/3/04	10.55	0.6	0	-	-	-		-	
5/4/04	10.55	0.6	0	-	-	-		-	
5/5/04	10.55	0.6	0	-	17,300	17,300		5,020	
5/6/04	10.55	0.6	0	-	-	-		-	
5/7/04	10.55	0.6	0	-	-	-		-	
5/8/04	10.55	0.6	0	-	-	-		-	
5/9/04	10.55	0.6	0	-	-	-		-	
5/10/04	10.55	0.6	0	-	-	-		-	
5/11/04	10.55	0.6	0	-	-	-		-	
5/12/04	10.55	0.6	0	-	-	-		-	
5/13/04	10.55	0.6	0	-	12,404	12,404		25,100	
5/14/04	10.55	0.6	0	-	20,304	20,304		30,120	
5/15/04	10.55	0.6	0	-	21,441	21,441		-	
5/16/04	10.55	0.6	0	-	-	-		-	
5/17/04	10.55	0.6	0	-	10,249	10,249		30,120	
5/18/04	10.55	0.6	0	-	-	-		-	
5/19/04	10.55	0.6	0	-	-	-		5,020	
5/20/04	10.55	0.6	0	-	-	-		-	
5/21/04	10.55	0.6	0	-	22,404	22,404		25,100	
5/22/04	10.55	0.6	0	-	-	-		-	
5/23/04	10.55	0.6	0	-	-	-		-	
5/24/04	10.55	0.6	0	-	24,439	24,439		29,000	
5/25/04	10.55	0.6	0	-	-	-		11,800	
5/26/04	10.55	0.6	0	-	21,447	21,447		29,000	
5/27/04	10.55	0.6	0	-	-	-		-	
5/28/04	10.55	0.6	0	-	-	-		-	
5/29/04	10.55	0.6	0	-	-	-		-	
5/30/04	10.55	0.6	0	-	-	-		-	
5/31/04	10.55	0.6	0	-	-	-	46,039	-	
<b>TOTALS</b>	<b>10.55</b>	<b>0.6</b>	<b>0.70</b>	<b>577</b>	<b>149,988</b>	<b>150,565</b>			
							<b>16,875</b>	<b>BALANCE</b>	<b>-22,840</b>

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

JUNE 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
5/31/04							46,039		
6/1/04	10.55	0.6	0	-	27,072	27,072		11,600	
6/2/04	10.55	0.6	0	-	14,891	14,891		-	
6/3/04	10.55	0.6	1.18	972	-	972		29,000	
6/4/04	10.55	0.6	0	-	16,700	16,700		34,800	
6/5/04	10.55	0.6	0	-	-	-		-	
6/6/04	10.55	0.6	0	-	-	-		-	
6/7/04	10.55	0.6	0	-	24,850	24,850		34,800	
6/8/04	10.55	0.6	0.17	140	30,005	30,145		29,000	
6/9/04	10.55	0.6	0.67	552	27,909	28,461		34,800	
6/10/04	10.55	0.6	0.04	33	27,415	27,448		5,800	
6/11/04	10.55	0.6	0.85	700	24,700	25,400		29,000	
6/12/04	10.55	0.6	0.17	140	15,474	15,614		-	
6/13/04	10.55	0.6	0.84	692	-	692		-	
6/14/04	10.55	0.6	0	-	43,179	43,179		-	
6/15/04	10.55	0.6	0.18	148	24,158	24,306		34,800	
6/16/04	10.55	0.6	0.88	725	24,805	25,530		34,800	
6/17/04	10.55	0.6	0	-	24,257	24,257		-	
6/18/04	10.55	0.6	0	-	27,600	27,600		-	
6/19/04	10.55	0.6	0	-	23,900	23,900		-	
6/20/04	10.55	0.6	0	-	-	-		-	
6/21/04	10.55	0.6	0.05	41	23,252	23,293		34,800	
6/22/04	10.55	0.6	0	-	29,400	29,400		34,800	
6/23/04	10.55	0.6	0	-	22,137	22,137		29,000	
6/24/04	10.55	0.6	0	-	20,750	20,750		33,495	
6/25/04	10.55	0.6	0.45	371	12,808	13,179		11,600	
6/26/04	10.55	0.6	0.2	165	-	165		-	
6/27/04	10.55	0.6	0	-	-	-		-	
6/28/04	10.55	0.6	2.17	1,788	26,410	28,198		34,800	
6/29/04	10.55	0.6	1.79	1,475	5,243	6,718		-	
6/30/04	10.55	0.6	0	-	35,302	35,302	63,133	-	
TOTALS	10.55	0.6	9.64	7,943	552,217	560,160		458,895	
					NET DIFFERENCE		17,094	BALANCE	86,171

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)

JULY 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
6/30/04							63,133		
7/1/04	10.55	0.6	0	-	36,825	36,825		-	
7/2/04	10.55	0.6	0.22	181	39,700	39,881		-	
7/3/04	10.55	0.6	0	-	-	-		-	
7/4/04	10.55	0.6	0	-	-	-		34,800	
7/5/04	10.55	0.6	0.12	99	54,761	54,860		34,800	
7/6/04	10.55	0.6	0.12	99	45,900	45,999		34,800	
7/7/04	10.55	0.6	0	-	33,303	33,303		34,800	
7/8/04	10.55	0.6	0	-	14,508	14,508		29,000	
7/9/04	10.55	0.6	0	-	38,969	38,969		34,800	
7/10/04	10.55	0.6	0	-	13,762	13,762		-	
7/11/04	10.55	0.6	0	-	-	-		-	
7/12/04	10.55	0.6	0.56	461	23,201	23,662		34,800	
7/13/04	10.55	0.6	0	-	38,622	38,622		40,600	
7/14/04	10.55	0.6	0	-	43,700	43,700		23,200	
7/15/04	10.55	0.6	0	-	43,130	43,130		34,800	
7/16/04	10.55	0.6	0.7	577	38,058	38,635		17,400	
7/17/04	10.55	0.6	0	-	-	-		-	
7/18/04	10.55	0.6	0	-	-	-		-	
7/19/04	10.55	0.6	2.37	1,953	27,750	29,703		34,800	
7/20/04	10.55	0.6	0	-	24,516	24,516		34,800	
7/21/04	10.55	0.6	0.85	700	67,803	68,503		46,400	
7/22/04	10.55	0.6	0	-	22,918	22,918		46,400	
7/23/04	10.55	0.6	0	-	22,383	22,383		46,400	
7/24/04	10.55	0.6	0	-	15,276	15,276		46,400	
7/25/04	10.55	0.6	0.18	148	-	148		52,200	
7/26/04	10.55	0.6	0	-	53,732	53,732		34,800	
7/27/04	10.55	0.6	0.31	255	55,251	55,506		34,800	
7/28/04	10.55	0.6	0	-	52,183	52,183		34,800	
7/29/04	10.55	0.6	1.22	1,005	50,800	51,805		34,800	
7/30/04	10.55	0.6	0.27	222	43,837	44,059		34,800	
7/31/04	10.55	0.6	0	-	46,837	46,837	102,723	34,800	
<b>TOTALS</b>	<b>10.55</b>	<b>0.6</b>	<b>6.92</b>	<b>5,702</b>	<b>847,525</b>	<b>953,227</b>		<b>870,000</b>	
<b>NET DIFFERENCE</b>							<b>-39,590</b>	<b>BALANCE</b>	<b>43,637</b>

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)



AUGUST 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
7/31/04							102,723			
8/1/04	10.55	0.6	0	-	-	-		-		
8/2/04	10.55	0.6	0	-	72,584	72,584		34,800		
8/3/04	10.55	0.6	0	-	33,309	33,309		34,800		
8/4/04	10.55	0.6	0	-	39,050	39,050		34,800		
8/5/04	10.55	0.6	1.37	1,129	50,412	51,541		34,800		
8/6/04	10.55	0.6	0.28	231	29,339	29,570		34,800		
8/7/04	10.55	0.6	0	-	-	-		34,800		
8/8/04	10.55	0.6	0.38	313	-	313		-		
8/9/04	10.55	0.6	0.04	33	58,117	58,150		34,800		
8/10/04	10.55	0.6	1.78	1,467	53,047	54,514		34,800		
8/11/04	10.55	0.6	0	-	44,956	44,956		46,400		
8/12/04	10.55	0.6	0	-	24,000	24,000		69,600		
8/13/04	10.55	0.6	0.68	560	-	560		-		
8/14/04	10.55	0.6	4.2	3,461	-	3,461		-		
8/15/04	10.55	0.6	0	-	-	-		-		
8/16/04	10.55	0.6	0	-	12,500	12,500		12,500		
8/17/04	10.55	0.6	0	-	50,000	50,000		50,000		
8/18/04	10.55	0.6	0	-	43,750	43,750		43,750		
8/19/04	10.55	0.6	0	-	37,500	37,500		37,500		
8/20/04	10.55	0.6	0	-	62,500	62,500		62,500		
8/21/04	10.55	0.6	0	-	62,500	62,500		62,500		
8/22/04	10.55	0.6	0	-	56,250	56,250		56,250		
8/23/04	10.55	0.6	0.1	82	62,500	62,582		62,500		
8/24/04	10.55	0.6	0.4	330	56,250	56,580		56,250		
8/25/04	10.55	0.6	0.3	247	62,500	62,747		62,500		
8/26/04	10.55	0.6	0	-	37,500	37,500		37,500		
8/27/04	10.55	0.6	0	-	75,681	75,681		62,500		
8/28/04	10.55	0.6	0	-	65,104	65,104		50,000		
8/29/04	10.55	0.6	0	-	-	-		62,500		
8/30/04	10.55	0.6	0	-	63,148	63,148		62,500		
8/31/04	10.55	0.6	4.2	3,461	64,202	-	110,693	62,500		
TOTALS	10.55	0.6	13.73	11,314	1,216,699	1,160,350		1,238,150		
NET DIFFERENCE								-7,970	BALANCE	-85,770

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
Leachate collected in blue, was pumped directly from the wet well with a gas pump to contracted tanker trucks.  
Gallons hauled to treatment in blue were hauled by AMS to Manatee Waste Water Treatment Plant.  
No electricity from August 13 - 26 due to Hurricane Charley.  
No rainfall data collected - all systems (City of Wauchula, Landfill and EOC) down. Rainfall estimates from Tampa.

SEPTEMBER 2004  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
8/31/04							110,693		
9/1/04	10.55	0.6	0	-	63,487	63,487		62,500	
9/2/04	10.55	0.6	0	-	38,861	38,861		31,250	
9/3/04	10.55	0.6	0	-	-	-		31,250	
9/4/04	10.55	0.6	0	-	-	-		-	
9/5/04	10.55	0.6	5.4	4,450	-	4,450		-	
9/6/04	10.55	0.6	0.37	305	-	305		-	
9/7/04	10.55	0.6	0	-	58,882	58,882		62,500	
9/8/04	10.55	0.6	0	-	103,571	103,571		93,750	
9/9/04	10.55	0.6	0	-	94,541	94,541		93,750	
9/10/04	10.55	0.6	0	-	92,649	92,649		93,750	
9/11/04	10.55	0.6	0.45	371	65,247	65,618		62,500	
9/12/04	10.55	0.6	0	-	-	-		62,500	
9/13/04	10.55	0.6	0	-	92,461	92,461		93,750	
9/14/04	10.55	0.6	0	-	61,624	61,624		62,500	
9/15/04	10.55	0.6	0	-	62,876	62,876		62,500	
9/16/04	10.55	0.6	0	-	62,540	62,540		62,500	
9/17/04	10.55	0.6	0	-	62,484	62,484		62,500	
9/18/04	10.55	0.6	0	-	44,250	44,250		62,500	
9/19/04	10.55	0.6	0	-	-	-		46,400	
9/20/04	10.55	0.6	0	-	49,961	49,961		50,000	
9/21/04	10.55	0.6	0.6	494	61,500	61,994		121,400	
9/22/04	10.55	0.6	0	-	23,486	23,486		30,800	
9/23/04	10.55	0.6	0	-	50,188	50,188		50,000	
9/24/04	10.55	0.6	0	-	49,273	49,273		50,000	
9/25/04	10.55	0.6	0	-	29,941	29,941		50,000	
9/26/04	10.55	0.6	0	-	-	-		-	
9/27/04	10.55	0.6	0	-	96,186	96,186		75,000	
9/28/04	10.55	0.6	0	-	76,840	76,840		100,000	
9/29/04	10.55	0.6	0	-	77,736	77,736		87,500	
9/30/04	10.55	0.6	0	-	75,804	75,804	83,321	100,000	
TOTALS	10.55	0.6	6.82	5,620	1,494,388	1,500,008		1,761,100	
					NET DIFFERENCE		-27,372	BALANCE	-233,720

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
Leachate collected in blue, was pumped directly from the wet well with a gas pump to contracted tanker trucks.  
Gallons hauled to treatment in blue were hauled by AMS to Manatee Waste Water Treatment Plant.  
Leachate hauled to treatment in teal was hauled by both AMS to Manatee and by the County to the City of Wauchula.

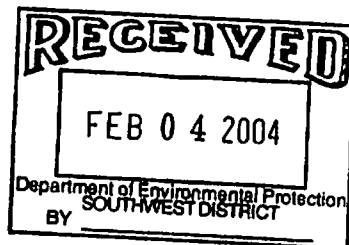
2003 ANNUAL LEACHATE WATER BALANCE SUMMARY

MONTH	RAINFALL (inches)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS (NET DIFFERENCE)	TOTAL LEACHATE TREATED	BALANCE
JANUARY, 2003	1.28	675,308	(14,839)	670,180	19,967
FEBRUARY, 2003	2.05	280,104	18,247	239,500	22,357
MARCH, 2003	2.02	373,127	33,087	330,510	75,704
APRIL, 2003	3.45	374,684	(17,986)	382,690	9,980
MAY, 2003	5.07	422,744	9,910	430,150	2,504
JUNE, 2003	11.90	391,293	45,934	382,690	-37,331
JULY, 2003	4.40	319,623	37,020	367,780	-11,137
AUGUST, 2003	12.28	476,140	(28,840)	447,300	0
SEPTEMBER, 2003	3.95	496,514	(35,342)	556,640	-24,784
OCTOBER, 2003	1.27	368,664	(19,664)	362,810	-13,810
NOVEMBER, 2003	0.76	450,177	(11,956)	470,120	-7,987
DECEMBER, 2003	2.61	480,768	(64,654)	373,840	42,274
TOTAL FOR 2003	51.04	5,109,146	(49,083)	5,014,210	77,737

227622

**Hardee County**  
**Solid Waste Department**

685 Airport Road  
Wauchula, FL 33873  
Phone: 883-773-5089  
Fax: 883-773-3907  
E-mail: janice.williamson@hardeecounty.net



January 30, 2004

Department of Environmental Protections  
Attention Kim B Ford  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Dear Mr. Ford:

Enclosed for your review are the 2003 water balances. Please feel free to contact us should you have any questions.

Sincerely,

Janice Williamson  
Solid Waste Director

Tc/jw

JANUARY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
12/31/02							86,048			
1/1/03	9.65	1.5	1.28	1,128	-	1,128		-		
1/2/03	9.65	1.5	0	-	52,011	52,011		38,320		
1/3/03	9.65	1.5	0	-	-	-		9,580		
1/4/03	9.65	1.5	0	-	62,240	62,240		33,530		
1/5/03	9.65	1.5	0	-	-	-		9,580		
1/8/03	9.65	1.5	0	-	-	-		-		
1/7/03	9.65	1.5	0	-	58,921	58,921		38,320		
1/8/03	9.65	1.5	0	-	24,063	24,063		33,530		
1/9/03	9.65	1.5	0	-	36,021	36,021		38,320		
1/10/03	9.65	1.5	0	-	42,000	42,000		38,320		
1/11/03	9.65	1.5	0	-	-	-		-		
1/12/03	9.65	1.5	0	-	-	-		-		
1/13/03	9.65	1.5	0	-	-	-		9,580		
1/14/03	9.65	1.5	0	-	37,458	37,458		28,740		
1/15/03	9.65	1.5	0	-	36,091	36,091		38,320		
1/16/03	9.65	1.5	0	-	38,362	38,362		38,320		
1/17/03	9.65	1.5	0	-	-	-		-		
1/18/03	9.65	1.5	0	-	-	-		-		
1/19/03	9.65	1.5	0	-	-	-		-		
1/20/03	9.65	1.5	0	-	30,000	30,000		28,740		
1/21/03	9.65	1.5	0	-	-	-		23,950		
1/22/03	9.65	1.5	0	-	65,001	65,001		33,530		
1/23/03	9.65	1.5	0	-	34,000	34,000		23,950		
1/24/03	9.65	1.5	0	-	-	-		9,580		
1/25/03	9.65	1.5	0	-	40,456	40,456		33,530		
1/26/03	9.65	1.5	0	-	-	-		-		
1/27/03	9.65	1.5	0	-	33,759	33,759		23,530		
1/28/03	9.65	1.5	0	-	44,795	44,795		38,320		
1/29/03	9.65	1.5	0	-	-	-		38,320		
1/30/03	9.65	1.5	0	-	39,002	39,002		38,320		
1/31/03	9.65	1.5	0	-	-	-	71,209	23,950		
TOTALS	9.65	1.5	1.28	1,128	674,180	675,308		670,180		
NET DIFFERENCE								-14,839	BALANCE	19,967

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 823 gallons per inch)

FEBRUARY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED (from underdrains)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
1/31/03							71,209		
2/1/03	9.65	1.5	0	-	-	-		-	
2/2/03	9.65	1.5	0	-	-	-		-	
2/3/03	9.65	1.5	0	-	41,813	41,813		28,740	
2/4/03	9.65	1.5	0	-	43,117	43,117		38,320	
2/5/03	9.65	1.5	0	-	16,479	16,479		28,740	
2/6/03	9.65	1.5	0	-	40,375	40,375		28,740	
2/7/03	9.65	1.5	0	-	38,313	38,313		-	
2/8/03	9.65	1.5	0	-	-	-		-	
2/9/03	9.65	1.5	0	-	-	-		-	
2/10/03	9.65	1.5	0	-	-	-		-	
2/11/03	9.65	1.5	0	-	17,034	17,034		-	
2/12/03	9.65	1.5	0	-	-	-		-	
2/13/03	9.65	1.5	0	-	-	-		-	
2/14/03	9.65	1.5	0	-	-	-		-	
2/15/03	9.65	1.5	0	-	-	-		-	
2/16/03	9.65	1.5	0	-	-	-		-	
2/17/03	9.65	1.5	0.72	593	-	593		14,370	
2/18/03	9.65	1.5	0	-	37,767	37,767		23,950	
2/19/03	9.65	1.5	0	-	-	-		-	
2/20/03	9.65	1.5	0	-	-	-		-	
2/21/03	9.65	1.5	0	-	-	-		-	
2/22/03	9.65	1.5	0	-	-	-		23,950	
2/23/03	9.65	1.5	0.75	618	-	618		-	
2/24/03	9.65	1.5	0	-	43,517	43,517		23,950	
2/25/03	9.65	1.5	0	-	-	-		23,950	
2/26/03	9.65	1.5	0	-	-	-		4,790	
2/27/03	9.65	1.5	0	-	-	-		-	
2/28/03	9.65	1.5	0.58	478	-	478	89,456	-	
TOTALS			2.05	1,689	278,415	280,104		239,500	
					NET DIFFERENCE		18,247	BALANCE	22,357

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 823 gallons per inch)

MARCH 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
2/28/03							89,456			
3/1/03	9.65	1.5	0	-	-	-		-		
3/2/03	9.65	1.5	0	-	-	-		-		
3/3/03	9.65	1.5	0	-	-	-		-		
3/4/03	9.65	1.5	0	-	41,255	41,255		19,160		
3/5/03	9.65	1.5	0	-	30,501	30,501		23,950		
3/6/03	9.65	1.5	0	-	5,192	5,192		14,370		
3/7/03	9.65	1.5	0	-	820	820		23,950		
3/8/03	9.65	1.5	0	-	-	-		23,950		
3/9/03	9.65	1.5	0	-	-	-		-		
3/10/03	9.65	1.5	0.13	107	-	107		23,950		
3/11/03	9.65	1.5	0	-	-	-		9,580		
3/12/03	9.65	1.5	0	-	35,000	35,000		19,160		
3/13/03	9.65	1.5	0	-	30,345	30,345		4,790		
3/14/03	9.65	1.5	0	-	-	-		23,950		
3/15/03	9.65	1.5	0.2	82	40,488	40,550		23,950		
3/16/03	9.65	1.5	0.2	82	-	82		-		
3/17/03	9.65	1.5	0	-	-	-		-		
3/18/03	9.65	1.5	0.18	74	-	74		23,950		
3/19/03	9.65	1.5	0	-	38,676	38,676		23,950		
3/20/03	9.65	1.5	0.11	45	35,502	35,547		23,950		
3/21/03	9.65	1.5	0	-	25,589	25,589		23,950		
3/22/03	9.65	1.5	0	-	-	-		-		
3/23/03	9.65	1.5	0	-	-	-		-		
3/24/03	9.65	1.5	0	-	-	-		-		
3/25/03	9.65	1.5	0	-	27,740	27,740		23,950		
3/26/03	9.65	1.5	0	-	-	-		-		
3/27/03	9.65	1.5	0	-	-	-		-		
3/28/03	9.65	1.5	1.2	494	30,067	30,561		-		
3/29/03	9.65	1.5	0	-	-	-		-		
3/30/03	9.65	1.5	0	-	-	-		-		
3/31/03	9.65	1.5	0	-	31,086	31,086	56,369	-		
TOTALS			2.02	886	372,241	373,127		330,510		
NET DIFFERENCE								33,087	BALANCE	75,704

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank after the 13th  
(.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
(.0303 acres @ 27,150 gallon per acre/per Inch = 824 gallons per inch)  
On March 13th, Tank #1 was emptied and opened for cleaning and inspection.  
Cleaning was done by CBI and was completed on 3/15/03

APRIL 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
3/31/03							56,369			
4/1/03	9.65	1.5	0	-	29,026	29,026		24,850		
4/2/03	9.65	1.5	0	-	-	-		24,850		
4/3/03	9.65	1.5	0	-	32,628	32,628		24,850		
4/4/03	9.65	1.5	0	-	27,645	27,645		19,880		
4/5/03	9.65	1.5	0	-	-	-		-		
4/6/03	9.65	1.5	0	-	-	-		-		
4/7/03	9.65	1.5	0	-	30,259	30,259		24,850		
4/8/03	9.65	1.5	0	-	24,915	24,915		24,850		
4/9/03	9.65	1.5	0	-	22,706	22,706		24,850		
4/10/03	9.65	1.5	0.3	124	-	124		-		
4/11/03	9.65	1.5	0	-	-	-		-		
4/12/03	9.65	1.5	0	-	-	-		-		
4/13/03	9.65	1.5	0	-	-	-		-		
4/14/03	9.65	1.5	0	-	30,447	30,447		24,850		
4/15/03	9.65	1.5	0.65	268	19,306	19,574		24,850		
4/16/03	9.65	1.5	0	-	26,405	26,405		24,850		
4/17/03	9.65	1.5	0	-	20,851	20,851		14,910		
4/18/03	9.65	1.5	0	-	-	-		-		
4/19/03	9.65	1.5	0	-	-	-		-		
4/20/03	9.65	1.5	0	-	-	-		-		
4/21/03	9.65	1.5	0	-	26,597	26,597		24,850		
4/22/03	10.56	0.59	0	-	19,487	19,487		24,850		
4/23/03	10.56	0.59	0	-	-	-		-		
4/24/03	10.56	0.59	0	-	24,466	24,466		24,850		
4/25/03	10.56	0.59	0	-	19,141	19,141		24,850		
4/26/03	10.56	0.59	2.5	1,030	-	1,030		-		
4/27/03	10.56	0.59	0	-	-	-		-		
4/28/03	10.56	0.59	0	-	19,384	19,384		24,850		
4/29/03	10.56	0.59	0	-	-	-		-		
4/30/03	10.56	0.59	0	-	-	-	36,383	-		
TOTALS			3.45	1,421	373,263	374,684		362,690		
NET DIFFERENCE								-17,986	BALANCE	9,980

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank this entire month.  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Tank #1 opened for inspection and maintenance  
 Inspection done by Columbian Tec Tank on 4/6/03



MAY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (Inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
4/30/03							38,383			
5/1/03	10.56	0.59	0	-	26,210	26,210		24,850		
5/2/03	10.56	0.59	1.02	420	22,080	22,500		24,850		
5/3/03	10.56	0.59	0	-	-	-		18,540		
5/4/03	10.56	0.59	0	-	-	-		-		
5/5/03	10.56	0.59	0	-	25,229	25,229		24,850		
5/6/03	10.56	0.59	0	-	25,534	25,534		24,850		
5/7/03	10.56	0.59	0	-	23,108	23,108		24,850		
5/8/03	10.56	0.59	0	-	-	-		24,850		
5/8/03	10.56	0.59	0	-	23,330	23,330		23,950		
5/10/03	10.56	0.59	0	-	-	-		-		
5/11/03	10.56	0.59	0	-	-	-		-		
5/12/03	10.56	0.59	0	-	25,134	25,134		24,850		
5/13/03	10.56	0.59	0	-	20,863	20,863		24,850		
5/14/03	10.56	0.59	0	-	18,340	18,340		24,850		
5/15/03	10.56	0.59	1.65	680	14,844	15,524		19,880		
5/16/03	10.56	0.59	0	-	16,234	16,234		-		
5/17/03	10.56	0.59	0	-	15,500	15,500		-		
5/18/03	10.56	0.59	0	-	-	-		-		
5/19/03	10.56	0.59	0.1	41	16,321	16,362		19,880		
5/20/03	10.56	0.59	0.77	317	19,072	19,389		24,850		
5/21/03	10.56	0.59	0	-	16,424	16,424		24,850		
5/22/03	10.56	0.59	0	-	12,941	12,941		24,850		
5/23/03	10.56	0.59	0.56	231	17,670	17,901		24,850		
5/24/03	10.56	0.59	0.45	185	14,214	14,399		-		
5/25/03	10.56	0.59	0.52	214	-	214		-		
5/26/03	10.56	0.59	0	-	-	-		-		
5/27/03	10.56	0.59	0	-	23,188	23,188		24,850		
5/28/03	10.56	0.59	0	-	-	-		-		
5/29/03	10.56	0.59	0	-	19,068	19,068		-		
5/30/03	10.56	0.59	0	-	25,353	25,353		-		
5/31/03	10.56	0.59	0	-	-	-	28,473	-		
TOTALS			5.07	2,089	420,655	422,744		430,150		
NET DIFFERENCE								9,910	BALANCE	2,504

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank this entire month.  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Recommended repairs on tank #1 were done by Columbian Tec Tanks and completed on 5/19/03

JUNE 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (Inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
5/31/03							28,473		
6/1/03	10.56	0.59	0	-	-	-		-	
6/2/03	10.56	0.59	0.24	99	18,445	18,544		24,850	
6/3/03	10.56	0.59	0	-	17,364	17,364		24,850	
6/4/03	10.56	0.59	0	-	4,753	4,753		9,940	
6/5/03	10.56	0.59	0	-	16,448	16,448		-	
6/6/03	10.56	0.59	0.74	305	-	305		-	
6/7/03	10.56	0.59	1.4	577	-	577		-	
6/8/03	10.56	0.59	2.25	927	-	927		-	
6/9/03	10.56	0.59	0.48	198	-	198		9,940	
6/10/03	10.56	0.59	0.48	198	15,870	16,068		24,850	
6/11/03	10.56	0.59	0	-	-	-		-	
6/12/03	10.56	0.59	0	-	24,146	24,146		24,850	
6/13/03	10.56	0.59	0	-	22,174	22,174		24,850	
6/14/03	10.56	0.59	0	-	-	-		-	
6/15/03	10.56	0.59	0	-	-	-		-	
6/16/03	10.56	0.59	0.3	124	27,793	27,917		24,850	
6/17/03	10.56	0.59	0	-	18,775	18,775		24,850	
6/18/03	10.56	0.59	0.91	375	22,545	22,920		4,970	
6/19/03	10.56	0.59	0.98	404	14,383	14,787		9,940	
6/20/03	10.56	0.59	2.8	1,154	-	1,154		-	
6/21/03	10.56	0.59	1.32	544	25,200	25,744		-	
6/22/03	10.56	0.59	0	-	-	-		-	
6/23/03	10.56	0.59	0	-	-	-		29,820	
6/24/03	10.56	0.59	0	-	27,200	27,200		24,850	
6/25/03	10.56	0.59	0	-	34,312	34,312		29,820	
6/26/03	10.56	0.59	0	-	27,703	27,703		29,820	
6/27/03	10.56	0.59	0	-	37,304	37,304		29,820	
6/28/03	10.56	0.59	0	-	-	-		-	
6/29/03	10.56	0.59	0	-	-	-		-	
6/30/03	10.56	0.59	0	-	31,975	31,975	74,407	29,820	
TOTALS			11.90	4,903	386,390	391,293		382,690	
NET DIFFERENCE							45,934	BALANCE	-37,331

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
 (.0151 acres @ 27,150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Tank # 2 was emptied and opened for cleaning, inspection and repairs on 6/13/03  
 Cleaning was done by CBI and began on 6/16/03. CBI was evacuated due to detection of methane gases in the area on 6/16/03.  
 Tank #1 was back in operation on 6/14/03

JULY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
6/30/03							74,407			
7/1/03	10.58	0.59	0	-	-	-		14,910		
7/2/03	10.58	0.59	0	-	36,341	36,341		29,820		
7/3/03	10.58	0.59	0.23	95	-	95		29,820		
7/4/03	10.58	0.59	0	-	-	-		-		
7/5/03	10.58	0.59	0	-	-	-		-		
7/6/03	10.58	0.59	0	-	-	-		-		
7/7/03	10.58	0.59	0	-	47,956	47,956		29,820		
7/8/03	10.58	0.59	0	-	45,036	45,036		29,820		
7/9/03	10.58	0.59	0	-	-	-		29,820		
7/10/03	10.58	0.59	0	-	-	-		29,820		
7/11/03	10.58	0.59	0	-	50,327	50,327		-		
7/12/03	10.58	0.59	0	-	-	-		-		
7/13/03	10.58	0.59	0	-	-	-		-		
7/14/03	10.58	0.59	1.14	470	-	470		14,910		
7/15/03	10.58	0.59	0	-	-	-		-		
7/16/03	10.58	0.59	0	-	-	-		-		
7/17/03	10.58	0.59	0	-	-	-		-		
7/18/03	10.58	0.59	0	-	-	-		-		
7/19/03	10.58	0.59	0	-	-	-		-		
7/20/03	10.58	0.59	0	-	-	-		-		
7/21/03	10.58	0.59	0	-	-	-		-		
7/22/03	10.58	0.59	0	-	-	-		-		
7/23/03	10.58	0.59	0.03	12	-	12		-		
7/24/03	10.58	0.59	0	-	-	-		19,880		
7/25/03	10.58	0.59	0	-	48,350	48,350		19,880		
7/26/03	10.58	0.59	0	-	-	-		-		
7/27/03	10.58	0.59	0	-	-	-		-		
7/28/03	10.58	0.59	0	-	-	-		29,820		
7/29/03	10.58	0.59	3	1,236	48,750	49,986		29,820		
7/30/03	10.58	0.59	0	-	41,050	41,050		29,820		
7/31/03	10.58	0.59	0	-	-	-	37,387	29,820		
TOTALS			4.40	1,813	317,810	319,623		367,780		
NET DIFFERENCE								37,020	BALANCE	-11,137

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
(.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
CBI resumed and completed cleaning of Tank #2 on 7/8/03  
Inspection was done by TEAM on tank #2 on 7/29/03

AUGUST 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
7/31/03							37,387			
8/1/03	10.58	0.59	0	-	49,820	49,820		29,820		
8/2/03	10.58	0.59	1.1	453	-	453		-		
8/3/03	10.58	0.59	2.35	988	-	988		-		
8/4/03	10.58	0.59	0.1	41	4,153	4,194		29,820		
8/5/03	10.58	0.59	0.05	21	63,139	63,160		29,820		
8/6/03	10.58	0.59	0.05	21	-	21		29,820		
8/7/03	10.58	0.59	0.5	208	27,847	27,853		29,820		
8/8/03	10.58	0.59	0	-	49,798	49,798		29,820		
8/9/03	10.58	0.59	0.09	37	749	788		-		
8/10/03	10.58	0.59	1.32	544	-	544		-		
8/11/03	10.58	0.59	0.09	37	-	37		-		
8/12/03	10.58	0.59	0.32	132	44,281	44,393		29,820		
8/13/03	10.58	0.59	0	-	-	-		-		
8/14/03	10.58	0.59	0	-	-	-		29,820		
8/15/03	10.58	0.59	1.37	584	38,020	38,584		19,880		
8/16/03	10.58	0.59	0	-	-	-		-		
8/17/03	10.58	0.59	0	-	-	-		-		
8/18/03	10.58	0.59	0.2	82	-	82		9,940		
8/19/03	10.58	0.59	0	-	13,145	13,145		29,820		
8/20/03	10.58	0.59	0.1	41	58,872	58,713		29,820		
8/21/03	10.58	0.59	0.57	235	-	235		29,820		
8/22/03	10.58	0.59	0.13	54	-	54		-		
8/23/03	10.58	0.59	0	-	-	-		-		
8/24/03	10.58	0.59	0	-	-	-		-		
8/25/03	10.58	0.59	2.55	1,051	54,903	55,954		24,850		
8/26/03	10.58	0.59	0.16	66	-	66		24,850		
8/27/03	10.58	0.59	0.7	288	17,994	18,282		-		
8/28/03	10.58	0.59	0	-	920	920		19,880		
8/29/03	10.58	0.59	0.53	218	48,060	48,278		19,880		
8/30/03	10.58	0.59	0	-	-	-		-		
8/31/03	10.58	0.59	0	-	-	-	66,227	-		
TOTALS			12.28	5,059	471,081	476,140		447,300		
NET DIFFERENCE								-28,840	BALANCE	0

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Flowmeter is down, replacement parts were ordered on 8/15/03  
 Gallons pumped into tanks have been calculated by reading the level indicator in the tank and operating on manual.

SEPTEMBER 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
8/31/03							66,227		
9/1/03	10.56	0.59	0	-	-	-		-	
9/2/03	10.56	0.59	0.87	358	-	358		29,820	
9/3/03	10.56	0.59	0.09	37	56,058	56,095		29,820	
9/4/03	10.56	0.59	0.13	54	-	54		29,820	
9/5/03	10.56	0.59	0	-	51,886	51,886		29,820	
9/6/03	10.56	0.59	0.75	309	-	309		-	
9/7/03	10.56	0.59	0.02	8	-	8		-	
9/8/03	10.56	0.59	0	-	36,000	36,000		29,820	
9/9/03	10.56	0.59	0	-	35,745	35,745		29,820	
9/10/03	10.56	0.59	0	-	1,357	1,357		29,820	
9/11/03	10.56	0.59	0	-	27,675	27,675		29,820	
9/12/03	10.56	0.59	0	-	43,783	43,783		29,820	
9/13/03	10.56	0.59	0	-	-	-		-	
9/14/03	10.56	0.59	0.25	103	-	103		-	
9/15/03	10.56	0.59	0	-	25,831	25,831		29,820	
9/16/03	10.56	0.59	0	-	42,515	42,515		29,820	
9/17/03	10.56	0.59	0	-	11,575	11,575		29,820	
9/18/03	10.56	0.59	0	-	-	-		4,970	
9/19/03	10.56	0.59	0	-	36,301	36,301		29,820	
9/20/03	10.56	0.59	0	-	-	-		-	
9/21/03	10.56	0.59	0.47	194	-	194		-	
9/22/03	10.56	0.59	0	-	-	-		29,820	
9/23/03	10.56	0.59	0	-	17,000	17,000		29,820	
9/24/03	10.56	0.59	0	-	63,470	63,470		29,820	
9/25/03	10.56	0.59	0	-	-	-		-	
9/26/03	10.56	0.59	0.11	45	-	45		29,820	
9/27/03	10.56	0.59	0.1	41	-	41		-	
9/28/03	10.56	0.59	0.48	198	-	198		-	
9/29/03	10.56	0.59	0	-	45,891	45,891		29,820	
9/30/03	10.56	0.59	0.68	280	-	280	30,885	14,910	
TOTALS			3.95	1,627	494,887	496,514		558,640	
NET DIFFERENCE							-35,342	BALANCE	-24,784

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
(.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
(.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
TEAM began repairs on tank #2 on 9/3/03 they demobilized due to humid weather  
TEAM completed repairs on tank #2 on 9/10/03 Tank #2 back in service on 9/23/03  
TEAM conducted a re-inspection of tank #1 on 9/24/03  
Replacement part for the flow meter was received on 9/8/03 and repairs completed on 9/8/03

OCTOBER 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
9/30/03							30,885		
10/1/03	10.56	0.59	0	-	67,021	67,021		29,820	
10/2/03	10.56	0.59	0	-	-	-		29,820	
10/3/03	10.56	0.59	0	-	20,520	20,520		29,820	
10/4/03	10.56	0.59	0	-	34,726	34,726		-	
10/5/03	10.56	0.59	0	-	-	-		-	
10/6/03	10.56	0.59	0	-	-	-		29,820	
10/7/03	10.56	0.59	0	-	-	-		-	
10/8/03	10.56	0.59	0	-	-	-		19,880	
10/9/03	10.56	0.59	0	-	58,834	58,834		29,820	
10/10/03	10.56	0.59	0	-	-	-		-	
10/11/03	10.56	0.59	0	-	-	-		-	
10/12/03	10.56	0.59	0	-	-	-		-	
10/13/03	10.56	0.59	0	-	31,892	31,892		19,880	
10/14/03	10.56	0.59	0	-	-	-		-	
10/15/03	10.56	0.59	0	-	-	-		-	
10/16/03	10.56	0.59	0	-	-	-		-	
10/17/03	10.56	0.59	0	-	-	-		-	
10/18/03	10.56	0.59	0	-	-	-		-	
10/19/03	10.56	0.59	0	-	-	-		-	
10/20/03	10.56	0.59	0	-	-	-		24,850	
10/21/03	10.56	0.59	0	-	46,203	46,203		29,820	
10/22/03	10.56	0.59	0	-	-	-		-	
10/23/03	10.56	0.59	0	-	-	-		29,820	
10/24/03	10.56	0.59	0	-	-	-		-	
10/25/03	10.56	0.59	0	-	-	-		-	
10/26/03	10.56	0.59	0	-	-	-		-	
10/27/03	10.56	0.59	0	-	-	-		-	
10/28/03	10.56	0.59	0	-	61,864	61,864		29,820	
10/29/03	10.56	0.59	1.27	523	-	523		29,820	
10/30/03	10.56	0.59	0	-	47,081	47,081		29,820	
10/31/03	10.56	0.59	0	-	-	-	50,549	-	
<b>TOTALS</b>			1.27	523	368,141	368,664		362,810	
					NET DIFFERENCE		-19,664	BALANCE	-13,810

Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Tank #1 down the entire month for inspection and repairs by TEAM

NOVEMBER 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
10/31/03							50,549			
11/1/03	10.56	0.59	0	-	-	-		-		
11/2/03	10.56	0.59	0	-	-	-		-		
11/3/03	10.56	0.59	0	-	41,831	41,831		29,820		
11/4/03	10.56	0.59	0	-	-	-		29,820		
11/5/03	10.56	0.59	0	-	47,758	47,758		29,820		
11/6/03	10.56	0.59	0	-	19,318	19,318		29,820		
11/7/03	10.56	0.59	0	-	37,285	37,285		29,820		
11/8/03	10.56	0.59	0	-	-	-		-		
11/9/03	10.56	0.59	0	-	-	-		-		
11/10/03	10.56	0.59	0	-	34,253	34,253		29,820		
11/11/03	10.56	0.59	0	-	23,139	23,139		29,820		
11/12/03	10.56	0.59	0	-	28,245	28,245		29,820		
11/13/03	10.56	0.59	0	-	24,048	24,048		29,820		
11/14/03	10.56	0.59	0	-	-	-		-		
11/15/03	10.56	0.59	0	-	-	-		-		
11/16/03	10.56	0.59	0	-	-	-		-		
11/17/03	10.56	0.59	0	-	35,755	35,755		29,820		
11/18/03	10.56	0.59	0	-	25,465	25,465		29,820		
11/19/03	10.56	0.59	0.76	313	-	313		-		
11/20/03	10.56	0.59	0	-	-	-		-		
11/21/03	10.56	0.59	0	-	31,765	31,765		29,400		
11/22/03	10.56	0.59	0	-	-	-		-		
11/23/03	10.56	0.59	0	-	-	-		-		
11/24/03	10.56	0.59	0	-	25,380	25,380		24,500		
11/25/03	10.56	0.59	0	-	28,317	28,317		29,400		
11/26/03	10.56	0.59	0	-	20,909	20,909		29,400		
11/27/03	10.56	0.59	0	-	26,396	26,396		-		
11/28/03	10.56	0.59	0	-	-	-		29,400		
11/29/03	10.56	0.59	0	-	-	-		-		
11/30/03	10.56	0.59	0	-	-	-	38,593	-		
TOTALS			0.76	313	449,864	450,177		470,120		
NET DIFFERENCE								-11,956	BALANCE	-7,987

Notes: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one tank the entire month  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Tank #1 down the entire month for inspection and maintenance by TEAM

DECEMBER 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
11/30/03							38,593			
12/1/03	10.56	0.59	0	-	28,792	28,792		29,400		
12/2/03	10.56	0.59	0	-	27,814	27,814		29,400		
12/3/03	10.56	0.59	0	-	30,436	30,436		29,400		
12/4/03	10.56	0.59	0	-	29,478	29,478		29,400		
12/5/03	10.56	0.59	0	-	30,430	30,430		-		
12/6/03	10.56	0.59	0	-	22,434	22,434		-		
12/7/03	10.56	0.59	0	-	-	-		-		
12/8/03	10.56	0.59	0	-	-	-		-		
12/9/03	10.56	0.59	0	-	35,060	35,060		-		
12/10/03	10.56	0.59	0	-	22,077	22,077		29,400		
12/11/03	10.56	0.59	0.16	132	-	132		19,600		
12/12/03	10.56	0.59	0	-	24,073	24,073		29,400		
12/13/03	10.56	0.59	0	-	27,723	27,723		29,400		
12/14/03	10.56	0.59	0	-	-	-		-		
12/15/03	10.56	0.59	1.5	1,236	27,205	28,441		29,400		
12/16/03	10.56	0.59	0	-	-	-		-		
12/17/03	10.56	0.59	0.95	783	-	783		-		
12/18/03	10.56	0.59	0	-	-	-		-		
12/19/03	10.56	0.59	0	-	31,489	31,489		29,400		
12/20/03	10.56	0.59	0	-	25,059	25,059		29,400		
12/21/03	10.56	0.59	0	-	-	-		-		
12/22/03	10.56	0.59	0	-	-	-		-		
12/23/03	10.56	0.59	0	-	-	-		-		
12/24/03	10.56	0.59	0	-	-	-		-		
12/25/03	10.56	0.59	0	-	-	-		-		
12/26/03	10.56	0.59	0	-	-	-		-		
12/27/03	10.56	0.59	0	-	-	-		-		
12/28/03	10.56	0.59	0	-	-	-		-		
12/29/03	10.56	0.59	0	-	74,249	74,249		30,120		
12/30/03	10.56	0.59	0	-	18,916	18,916		30,120		
12/31/03	10.56	0.59	0.0	-	23,382	23,382	103,247	-		
<b>TOTALS</b>			2.61	2,151	478,617	480,768		373,840		
<b>NET DIFFERENCE</b>							<b>-64,654</b>	<b>BALANCE</b>	<b>42,274</b>	

Notes: Rainfall gallons calculated for 2 - 29' diameter tanks Rainfall calculations were for one 12/1-6/2004  
 (.0151 acres @ 27150 gallons per acre/per inch = 412 gallons per inch)  
 (.0303 acres @ 27,150 gallon per acre/per inch = 824 gallons per inch)  
 Tank #1 back in service on the 6th.  
 On December 8, a representative of Siemens (formally Miltronics) visited the landfill and conducted a diagnostic overview of the sonic level indicators in each tank. We verified by test mode that all control devices (alarms and automatic pump shut offs) are working in accordance with design and permit requirements.



2002 ANNUAL LEACHATE WATER BALANCE SUMMARY

2002

MONTH	RAINFALL (inches)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS (NET DIFFERENCE)	TOTAL LEACHATE TREATED	BALANCE
JANUARY, 2002	2.10	310,335	72,991	236,385	959
FEBRUARY, 2002	8.50	511,504	2,255	509,850	-601
MARCH, 2002	0.00	313,148	24,384	347,625	-10,093
APRIL, 2002	4.40	467,979	21,710	447,300	-1,031
MAY, 2002	2.80	653,516	19,874	665,980	7,409
JUNE, 2002	12.00	706,041	19,401	670,950	15,690
JULY, 2002	13.70	1,385,697	419	1,121,508	244,610
AUGUST, 2002	3.80	721,328	50,548	795,200	-23,324
SEPTEMBER, 2002	10.00	689,937	37,649	680,890	-28,602
OCTOBER, 2002	5.10	823,118	54,114	874,720	2,512
NOVEMBER, 2002	7.20	603,328	55,110	575,050	-26,832
DECEMBER, 2002	11.80	386,172	43,365	469,420	-39,884
TOTAL FOR 2002	81.20	7,552,102	401,820	7,394,876	140,814

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 JUN 20 2003  
 SOUTHWEST DISTRICT  
 TAMPA

2003 ANNUAL LEACHATE WATER BALANCE SUMMARY

MONTH	RAINFALL (inches)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS (NET DIFFERENCE)	TOTAL LEACHATE TREATED	BALANCE
JANUARY, 2002	0.00	674,180	(14,839)	670,180	18,839
FEBRUARY, 2002	1.30	279,486	18,247	239,500	21,739
MARCH, 2002	2.40	374,219	33,087	330,510	76,796
APRIL, 2002	3.90	376,477	(17,986)	362,600	11,773
MAY, 2002	3.90	423,868	9,910	430,150	3,628
JUNE, 2002	0.00	-	(28,473)	-	28,473
JULY, 2002	0.00	-	-	-	0
AUGUST, 2002	0.00	-	-	-	0
SEPTEMBER, 2002	0.00	-	-	-	0
OCTOBER, 2002	0.00	-	-	-	0
NOVEMBER, 2002	0.00	-	-	-	0
DECEMBER, 2002	0.00	-	-	-	0
TOTAL FOR 2002	11.50	2,128,230	(54)	2,053,030	161,248

FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION  
 JUN 20 2003  
 SOUTHWEST DISTRICT  
 TAMPA

HARDEE COUNTY SOLID WASTE DEPARTMENT

MAY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
4/30/03							38,383		
5/1/03	10.56	0.59	0.9	742	26,210	26,952		24,850	
5/2/03	10.56	0.59	0	-	22,080	22,080		24,850	
5/3/03	10.56	0.59	0	-	-	-		18,540	
5/4/03	10.56	0.59	0	-	-	-		-	
5/5/03	10.56	0.59	0	-	25,229	25,229		24,850	
5/6/03	10.56	0.59	0	-	25,534	25,534		24,850	
5/7/03	10.56	0.59	0	-	23,106	23,106		24,850	
5/8/03	10.56	0.59	0	-	-	-		24,850	
5/9/03	10.56	0.59	0	-	23,330	23,330		23,950	
5/10/03	10.56	0.59	0	-	-	-		-	
5/11/03	10.56	0.59	0	-	-	-		-	
5/12/03	10.56	0.59	0	-	25,134	25,134		24,850	
5/13/03	10.56	0.59	0	-	20,863	20,863		24,850	
5/14/03	10.56	0.59	0.4	330	18,340	18,870		24,850	
5/15/03	10.56	0.59	0	-	14,844	14,844		19,880	
5/16/03	10.56	0.59	0	-	16,234	16,234		-	
5/17/03	10.56	0.59	0	-	15,500	15,500		-	
5/18/03	10.56	0.59	0	-	-	-		-	
5/19/03	10.56	0.59	0.8	659	18,321	18,980		19,880	
5/20/03	10.56	0.59	0	-	19,072	19,072		24,850	
5/21/03	10.56	0.59	0	-	16,424	16,424		24,850	
5/22/03	10.56	0.59	0.7	577	12,941	13,518		24,850	
5/23/03	10.56	0.59	0.8	659	17,670	18,329		24,850	
5/24/03	10.56	0.59	0.3	247	14,214	14,461		-	
5/25/03	10.56	0.59	0	-	-	-		-	
5/26/03	10.56	0.59	0	-	-	-		-	
5/27/03	10.56	0.59	0	-	23,188	23,188		24,850	
5/28/03	10.56	0.59	0	-	-	-		-	
5/29/03	10.56	0.59	0	-	19,068	19,068		-	
5/30/03	10.56	0.59	0	-	25,353	25,353		-	
5/31/03	10.56	0.59	0	-	-	-		-	
TOTALS			3.90	3,214	420,655	423,889	28,473	430,150	
NET DIFFERENCE							9,910	BALANCE	3,629

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks  
(.0303 acres @ 27,150 gallon per acre/per inch = 823 gallons per inch)

HARDEE COUNTY SOLID WASTE DEPARTMENT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 JUN 2 0 2003  
 SOUTHWEST DISTRICT  
 TAMPA

APRIL 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
3/31/03							56,369		
4/1/03	9.65	1.5	0	-	29,026	29,026		24,850	
4/2/03	9.65	1.5	0	-	-	-		24,850	
4/3/03	9.65	1.5	0	-	32,628	32,628		24,850	
4/4/03	9.65	1.5	0	-	27,645	27,645		19,880	
4/5/03	9.65	1.5	0	-	-	-		-	
4/6/03	9.65	1.5	0	-	-	-		-	
4/7/03	9.65	1.5	0	-	30,259	30,259		24,850	
4/8/03	9.65	1.5	0.1	82	24,915	24,997		24,850	
4/9/03	9.65	1.5	0.5	412	22,706	23,118		24,850	
4/10/03	9.65	1.5	0	-	-	-		-	
4/11/03	9.65	1.5	0	-	-	-		-	
4/12/03	9.65	1.5	0	-	-	-		-	
4/13/03	9.65	1.5	0	-	-	-		-	
4/14/03	9.65	1.5	0	-	30,447	30,447		24,850	
4/15/03	9.65	1.5	0.1	82	19,306	19,388		24,850	
4/16/03	9.65	1.5	0	-	26,405	26,405		24,850	
4/17/03	9.65	1.5	0	-	20,851	20,851		14,910	
4/18/03	9.65	1.5	0	-	-	-		-	
4/19/03	9.65	1.5	0	-	-	-		-	
4/20/03	9.65	1.5	0	-	-	-		-	
4/21/03	9.65	1.5	0	-	26,597	26,597		24,850	
4/22/03	10.56	0.59	0	-	19,487	19,487		24,850	
4/23/03	10.56	0.59	0	-	-	-		-	
4/24/03	10.56	0.59	0	-	24,466	24,466		24,850	
4/25/03	10.56	0.59	3.1	2,554	19,141	21,695		24,850	
4/26/03	10.56	0.69	0	-	-	-		-	
4/27/03	10.56	0.59	0	-	-	-		-	
4/28/03	10.56	0.69	0.1	82	19,384	19,466		24,850	
4/29/03	10.56	0.59	0	-	-	-		-	
4/30/03	10.56	0.59	0	0	-	0	39,393	-	
TOTALS			3.90	3,214	373,263	376,477		382,690	
NET DIFFERENCE							-17,898	BALANCE	11,773



FEBRUARY 2003  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED (from underdrains)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
1/31/03							71,209		
2/1/03	9.65	1.5	0	-	-	-		-	
2/2/03	9.65	1.5	0	-	-	-		-	
2/3/03	9.65	1.5	0	-	41,813	41,813		28,740	
2/4/03	9.65	1.5	0.1	82	43,117	43,199		38,320	
2/5/03	9.65	1.5	0	-	16,479	16,479		28,740	
2/6/03	9.65	1.5	0	-	40,375	40,375		28,740	
2/7/03	9.65	1.5	0	-	38,313	38,313		-	
2/8/03	9.65	1.5	0	-	-	-		-	
2/9/03	9.65	1.5	0	-	-	-		-	
2/10/03	9.65	1.5	0.2	165	-	165		-	
2/11/03	9.65	1.5	0	-	17,034	17,034		-	
2/12/03	9.65	1.5	0	-	-	-		-	
2/13/03	9.65	1.5	0	-	-	-		-	
2/14/03	9.65	1.5	0	-	-	-		-	
2/15/03	9.65	1.5	0	-	-	-		-	
2/16/03	9.65	1.5	0	-	-	-		-	
2/17/03	9.65	1.5	0	-	-	-		14,370	
2/18/03	9.85	1.5	0	-	37,767	37,767		23,950	
2/19/03	9.85	1.5	0	-	-	-		-	
2/20/03	9.85	1.5	0	-	-	-		-	
2/21/03	9.85	1.5	0	-	-	-		-	
2/22/03	9.65	1.5	0.6	494	-	494		23,950	
2/23/03	9.65	1.5	0	-	-	-		-	
2/24/03	9.65	1.5	0	-	43,517	43,517		23,950	
2/25/03	9.65	1.5	0	-	-	-		23,950	
2/26/03	9.65	1.5	0	-	-	-		4,790	
2/27/03	9.65	1.5	0.4	330	-	330		-	
2/28/03	9.65	1.5	0	-	-	-	89,458	-	
TOTALS			1.30	1,071	278,415	279,488		236,500	
					NET DIFFERENCE		18,247	BALANCE	21,739

JANUARY 2003  
LEACHATE WATER BALANCE

PAGE 05

HARDEE COUNTY S.W.

9417733907

01/04/1994 05:26

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
12/31/02							88,048		
1/1/03	9.85	1.5	0	-	-	-		-	38,320
1/2/03	9.85	1.5	0	-	52,011	52,011		38,320	9,580
1/3/03	9.85	1.5	0	-	-	-		9,580	33,530
1/4/03	9.85	1.5	0	-	62,240	62,240		33,530	9,580
1/5/03	9.85	1.5	0	-	-	-		9,580	-
1/8/03	9.85	1.5	0	-	-	-		-	38,320
1/7/03	9.85	1.5	0	-	58,921	58,921		38,320	33,530
1/8/03	9.85	1.5	0	-	24,063	24,063		33,530	38,320
1/8/03	9.85	1.5	0	-	36,021	36,021		38,320	38,320
1/8/03	9.85	1.5	0	-	42,000	42,000		38,320	-
1/10/03	9.85	1.5	0	-	-	-		-	-
1/11/03	9.85	1.5	0	-	-	-		-	-
1/12/03	9.85	1.5	0	-	-	-		-	9,580
1/13/03	9.85	1.5	0	-	-	-		-	26,740
1/14/03	9.85	1.5	0	-	37,458	37,458		26,740	38,320
1/15/03	9.85	1.5	0	-	36,091	36,091		38,320	38,320
1/15/03	9.85	1.5	0	-	38,362	38,362		38,320	-
1/16/03	9.85	1.5	0	-	-	-		-	-
1/17/03	9.85	1.5	0	-	-	-		-	-
1/18/03	9.85	1.5	0	-	-	-		-	-
1/18/03	9.85	1.5	0	-	-	-		-	26,740
1/19/03	9.85	1.5	0	-	30,000	30,000		26,740	23,950
1/20/03	9.85	1.5	0	-	-	-		23,950	33,530
1/21/03	9.85	1.5	0	-	65,001	65,001		33,530	23,950
1/22/03	9.85	1.5	0	-	34,000	34,000		23,950	9,580
1/23/03	9.85	1.5	0	-	-	-		9,580	33,530
1/24/03	9.85	1.5	0	-	40,458	40,458		33,530	-
1/25/03	9.85	1.5	0	-	-	-		-	23,530
1/26/03	9.85	1.5	0	-	33,759	33,759		23,530	38,320
1/27/03	9.85	1.5	0	-	44,795	44,795		38,320	38,320
1/28/03	9.85	1.5	0	-	-	-		38,320	38,320
1/28/03	9.85	1.5	0	-	39,002	39,002		38,320	23,950
1/30/03	9.85	1.5	0	-	-	-	71,209	23,950	670,180
1/31/03	9.85	1.5	0	-	-	-		670,180	
TOTALS	9.85	1.5	0.00	-	674,180	674,180	-14,839	BALANCE	18,939

NET DIFFERENCE

NOTES:

Reinfall gallons calculated for 2 - 29' diameter tanks (0.303 acres @ 27,150 gallon per acre/per inch) = 823 gallons/inch

**Ford, Kim**

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**From:** Ford, Kim

**Sent:** Friday, June 20, 2003 2:15 PM

**To:** Pelz, Susan

**Subject:** conversation with Teresa Carver about Hardee Landfill leachate reports

On June 20, 2003 at 11:20am I requested :

1. the note for the conversion for gallons of rainfall in the tanks on the form
2. the daily gallons of rain in the tanks corrected (1" rain= 823 gallons in tanks)
3. send corrected report forms for 3rd quarter 2002, and all 2003

Kim

6/20/2003

38414

Hardee County Solid Waste Department  
685 Airport Road  
Wauchula, FL 33873  
Phone: 863-773-5089 Fax: 863-773-3907  
Email: [teresa.carver@hardeecounty.net](mailto:teresa.carver@hardeecounty.net)

# Hardee County Solid Waste

To: Kim Ford Fax: 813-744-6125

From: Teresa Carver Date: 4/1/2003

Re: Corrected Water Balance Pages: 5

CC:

Urgent  For Review  Please Comment  Please Reply  Please Recycle

For your review are corrected water balances for the last quarter. After review we found some incorrect input.

.....



DECEMBER 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
11/30/02							129,413			
12/1/02	9.65	1.5	0	-	-	-				
12/2/02	9.65	1.5	0	-	-	-				
12/3/02	9.65	1.5	0	-	3,500	3,500		9,580		
12/4/02	9.65	1.5	0	-	41,600	41,600		9,580		
12/5/02	9.65	1.5	0	-	-	-		19,160		
12/6/02	9.65	1.5	0	-	17,700	17,700		38,320		
12/7/02	9.65	1.5	1.0	824	10,900	11,724				
12/8/02	9.65	1.5	0	-	-	-				
12/9/02	9.65	1.5	5.0	4,120	-	4,120				
12/10/02	9.65	1.5	0.2	165	19,800	19,965		38,320		
12/11/02	9.65	1.5	0	-	28,614	28,614		38,320		
12/12/02	9.65	1.5	0.3	247	29,000	29,247		38,320		
12/13/02	9.65	1.5	1.0	824	33,907	34,731		33,530		
12/14/02	9.65	1.5	0	-	29,453	29,453		38,320		
12/15/02	9.65	1.5	0	-	-	-				
12/16/02	9.65	1.5	0	-	-	-		38,320		
12/17/02	9.65	1.5	0	-	68,261	68,261		33,530		
12/18/02	9.65	1.5	0	-	-	-				
12/19/02	9.65	1.5	0	-	-	-		33,530		
12/20/02	9.65	1.5	1.4	1,154	37,977	39,131		33,530		
12/21/02	9.65	1.5	0	-	-	-				
12/22/02	9.65	1.5	0	-	-	-				
12/23/02	9.65	1.5	0	-	-	-				
12/24/02	9.65	1.5	0	-	-	-				
12/25/02	9.65	1.5	0.9	1	-	1				
12/26/02	9.65	1.5	0	-	19,929	19,929				
12/27/02	9.65	1.5	0	-	-	-				
12/28/02	9.65	1.5	0	-	-	-				
12/29/02	9.65	1.5	0	-	-	-				
12/30/02	9.65	1.5	0	-	36,548	36,548		33,530		
12/31/02	9.65	1.5	2.0	1,648	-	1,648	86,048	33,530		
TOTALS			11.80	8,983	377,189	386,172	86,048	469,420		
							NET DIFFERENCE	43,365	BALANCE	-39,884

PREVIOUS GALLONS STORED  
CURRENT GALLONS STORED  
GAINED

129,413 TREATMENT  
86,048 GAINED  
(43,365)  
GENERATED

469,420  
(43,365)  
426,055

GAL PER DAY  
PER ACRE  
13,744  
9,162

NOVEMBER 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
10/31/02							74,303		
11/1/02	9.65	1.5	0	-	42,822	42,822		34,790	
11/2/02	9.65	1.5	0	-	32,000	32,000			
11/3/02	9.65	1.5	0	-					
11/4/02	9.65	1.5	0	-	31,000	31,000		28,820	
11/5/02	9.65	1.5	0.1	82	29,800	29,882		24,850	
11/6/02	9.65	1.5	0.5	412	28,420	28,832		39,780	
11/7/02	9.65	1.5	0	-				9,940	
11/8/02	9.65	1.5	0	-	28,413	28,413		23,950	
11/8/02	9.65	1.5	0	-	39,302	39,302		38,320	
11/10/02	9.65	1.5	0	-					
11/11/02	9.65	1.5	0	-					
11/12/02	9.65	1.5	0.1	82	38,663	38,745		28,740	
11/13/02	9.65	1.5	0	-	27,922	27,922		33,630	
11/14/02	9.65	1.5	0	-				38,320	
11/15/02	9.65	1.5	1.4	1,154	47,424	48,578		33,530	
11/16/02	9.65	1.5	5.0	4,120		4,120			
11/17/02	9.65	1.5	0	-					
11/18/02	9.65	1.5	0	-	45,164	45,164		38,320	
11/19/02	9.65	1.5	0	-	20,974	20,974		38,320	
11/20/02	9.65	1.5	0	-	38,889	38,889		38,320	
11/21/02	9.65	1.5	0.1	82	48,080	46,172		38,320	
11/22/02	9.65	1.5	0	-				38,320	
11/23/02	9.65	1.5	0	-	49,703	49,703		38,320	
11/24/02	9.65	1.5	0	-					
11/25/02	9.65	1.5	0	-					
11/26/02	9.65	1.5	0	-					
11/27/02	9.65	1.5	0	-				9,580	
11/28/02	9.65	1.5	0	-					
11/29/02	9.65	1.5	0	-					
11/30/02	9.65	1.5	0	-	51,709	51,709	129,413		
TOTALS			7.20	5,933	597,395	603,328		575,050	
					NET DIFFERENCE		55,110	BALANCE	-26,832

PREVIOUS GALLONS STORED  
CURRENT GALLONS STORED  
GAINED

74,303 TREATMENT  
129,413 GAINED  
55,110  
GENERATED 630,160

GAL PER DAY  
PER ACRE 20,328  
13,552

OCTOBER 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
9/30/02							128,417		
10/1/02	9.65	1.5	0	-	-	-		-	
10/2/02	9.65	1.5	0	-	48,440	48,440		39,780	
10/3/02	9.65	1.5	0	-	33,552	33,552		39,780	
10/4/02	9.65	1.5	0	-	33,815	33,815		34,780	
10/5/02	9.65	1.5	0	-	37,817	37,817		39,760	
10/6/02	9.65	1.5	0	-	-	-		-	
10/7/02	9.65	1.5	0	-	40,005	40,005		34,780	
10/8/02	9.65	1.5	0	-	-	-		34,790	
10/8/02	9.65	1.5	0	-	41,080	41,080		19,880	
10/10/02	9.65	1.5	0	-	34,105	34,105		39,760	
10/11/02	9.65	1.5	0	-	35,505	35,505		39,760	
10/12/02	9.65	1.5	0	-	44,053	44,053		34,780	
10/13/02	9.65	1.5	0	-	-	-		-	
10/14/02	9.65	1.5	0	-	42,521	42,521		29,820	
10/15/02	9.65	1.5	0.1	82	38,428	38,508		39,760	
10/16/02	9.65	1.5	0	-	38,882	38,882		38,760	
10/17/02	9.65	1.5	0	-	32,432	32,432		39,760	
10/18/02	9.65	1.5	0	-	30,857	30,857		34,780	
10/19/02	9.65	1.5	0	-	35,838	35,838		39,760	
10/20/02	9.65	1.5	0	-	-	-		-	
10/21/02	9.65	1.5	0	-	36,342	36,342		34,780	
10/22/02	9.65	1.5	0	-	33,736	33,736		39,760	
10/23/02	9.65	1.5	5.0	4,120	-	4,120		-	
10/24/02	9.65	1.5	0	-	-	-		34,790	
10/25/02	9.65	1.5	0	-	46,450	46,450		29,820	
10/26/02	9.65	1.5	0	-	31,600	31,600		39,780	
10/27/02	9.65	1.5	0	-	-	-		-	
10/28/02	9.65	1.5	0	-	-	-		-	
10/29/02	9.65	1.5	0	-	33,543	33,543		34,780	
10/30/02	9.65	1.5	0	-	44,451	44,451		38,760	
10/31/02	9.65	1.5	0	-	31,586	31,586	74,303	39,760	
TOTALS			5.10	4,202	818,916	823,118		874,720	
NET DIFFERENCE							54,114	BALANCE	2,512

PREVIOUS GALLONS STORED  
CURRENT GALLONS STORED  
GAINED

128,417 TREATMENT  
74,303 GAINED  
(54,114)  
GENERATED

874,720  
(54,114)  
820,606

GAL PER DAY  
PER ACRE

26,471  
17,647

SEPTEMBER 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
8/31/02							90,768			
9/1/02	9.65	1.5	0	-	-	-				
9/2/02	9.65	1.5	2	1,648	-	1,648				
9/3/02	9.65	1.5	0.8	494	38,216	38,710		39,760		
9/4/02	9.65	1.5	0	-	-	-		34,790		
9/5/02	9.65	1.5	2.6	2,142	49,325	51,467		34,790		
9/6/02	9.65	1.5	0.2	185	14,828	14,993				
9/7/02	9.65	1.5	0	-	-	-		39,760		
9/8/02	9.65	1.5	0	-	-	-				
9/9/02	9.65	1.5	0	-	47,117	47,117		19,880		
9/10/02	9.65	1.5	0.7	577	43,455	44,032		19,880		
9/11/02	9.65	1.5	0.8	659	39,828	40,485		29,820		
9/12/02	9.65	1.5	0	-	31,872	31,872		34,790		
9/13/02	9.65	1.5	0.2	185	25,905	26,070		24,850		
9/14/02	9.65	1.5	0	-	40,000	40,000		39,760		
9/15/02	9.65	1.5	0	-	-	-				
9/16/02	9.65	1.5	0	-	-	-		19,880		
9/17/02	9.65	1.5	0	-	44,232	44,232		24,850		
9/18/02	9.65	1.5	0	-	-	-				
9/19/02	9.65	1.5	0.6	494	35,641	36,135		29,820		
9/20/02	9.65	1.5	0	-	-	-		39,760		
9/21/02	9.65	1.5	0.2	185	65,900	66,085		39,760		
9/22/02	9.65	1.5	0	-	-	-				
9/23/02	9.65	1.5	0	-	32,306	32,306		34,790		
9/24/02	9.65	1.5	2.1	1,730	42,181	43,911		39,760		
9/25/02	9.65	1.5	0	-	32,278	32,278		39,760		
9/26/02	9.65	1.5	0	-	38,302	38,302		39,760		
9/27/02	9.65	1.5	0	-	-	-		14,910		
9/28/02	9.65	1.5	0	-	-	-				
9/29/02	9.65	1.5	0	-	-	-				
9/30/02	9.65	1.5	0	-	60,313	60,313	128,417	39,760		
TOTALS			10.00	8,240	681,697	689,937		680,890		
							NET DIFFERENCE	37,649	BALANCE	-28,602

PREVIOUS GALLONS STORED 90,768  
CURRENT GALLONS STORED 128,417  
GAINED 37,649

SOUTHWEST DISTRICT  
TAMPA  
JUN 20 2003  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

TREATMENT 680,890  
GAINED 37,649  
GENERATED 718,539

GAL PER DAY 23,179  
PER ACRE 15,452

AUGUST 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
7/31/02							141,316			
8/1/02	9.65	1.5	0	-	-	-		29,820		
8/2/02	9.65	1.5	1.7	-	33,742	33,742		34,790		
8/3/02	9.65	1.5	0.4	-	31,119	31,119		29,820		
8/4/02	9.65	1.5	0	-	-	-		-		
8/5/02	9.65	1.5	0	-	30,132	30,132		29,820		
8/6/02	9.65	1.5	0	-	37,469	37,469		39,760		
8/7/02	9.65	1.5	0	-	35,510	35,510		39,760		
8/8/02	9.65	1.5	0	-	41,268	41,268		39,760		
8/9/02	9.65	1.5	0	-	34,251	34,251		34,790		
8/10/02	9.65	1.5	0	-	-	-		-		
8/11/02	9.65	1.5	0	-	-	-		-		
8/12/02	9.65	1.5	0	-	32,985	32,985		39,760		
8/13/02	9.65	1.5	0	-	-	-		-		
8/14/02	9.65	1.5	0	-	28,140	28,140		34,790		
8/15/02	9.65	1.5	0	-	37,195	37,195		39,760		
8/16/02	9.65	1.5	0	-	28,174	28,174		24,850		
8/17/02	9.65	1.5	0	-	27,881	27,881		39,760		
8/18/02	9.65	1.5	0	-	-	-		-		
8/19/02	9.65	1.5	0	-	-	-		-		
8/20/02	9.65	1.5	0	-	47,181	47,181		39,760		
8/21/02	9.65	1.5	0	-	37,347	37,347		34,790		
8/22/02	9.65	1.5	0	-	36,115	36,115		39,760		
8/23/02	9.65	1.5	0	-	36,900	36,900		39,760		
8/24/02	9.65	1.5	0	-	35,458	35,458		34,790		
8/25/02	9.65	1.5	0	-	-	-		-		
8/26/02	9.65	1.5	0	-	37,220	37,220		39,760		
8/27/02	9.65	1.5	0.6	494	35,824	36,318		34,790		
8/28/02	9.65	1.5	0.1	82	32,209	32,291		39,760		
8/29/02	9.65	1.5	0.8	659	23,972	24,631		34,790		
8/30/02	9.65	1.5	0	-	-	-		-		
8/31/02	9.65	1.5	0	-	-	-	90,768	-		
TOTALS			3.60	1,236	720,092	721,328		795,200		
							NET DIFFERENCE	50,548	BALANCE	-23,324

2962

PREVIOUS GALLONS STORED  
CURRENT GALLONS STORED  
GAINED

141,316  
90,768  
(50,548)

TREATMENT  
GAINED  
GENERATED

795,200  
(50,548)  
744,652

GAL PER DAY  
PER ACRE

24,021  
16,014

HARDEE COUNTY SOLID WASTE DEPARTMENT

SOUTHWEST DISTRICT  
TAMPA

JUN 20 2003

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

JULY 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
6/30/02							141,735			
7/1/02	10.56	0.59	1.3	1,071	23,760	24,831		23,175		
7/2/02	10.56	0.59	2.7	2,225	35,251	37,476		32,445		
7/3/02	10.56	0.59	0	-	40,001	40,001		37,080		
7/4/02	10.56	0.59	0	-	-	-		37,080		
7/5/02	10.56	0.59	0	-	79,348	79,348		37,080		
7/6/02	10.56	0.59	2.7	2,225	39,221	41,446		37,080		
7/7/02	10.56	0.59	0	-	-	-		-		
7/8/02	10.56	0.59	0.4	330	32,339	32,669		32,445		
7/8/02	10.56	0.59	0.2	165	40,000	40,165		37,080		
7/10/02	10.56	0.59	0.3	247	58,106	58,353		74,160		
7/11/02	10.56	0.59	1.1	906	80,188	81,094		74,161		
7/12/02	10.56	0.59	0.5	412	72,210	72,622		74,160		
7/13/02	10.56	0.59	0.6	494	18,225	18,719		-		
7/14/02	10.56	0.59	0	-	-	-		-		
7/15/02	10.56	0.59	0	-	25,035	25,035		37,080		
7/16/02	10.56	0.59	1.5	1,236	66,428	67,664		69,525		
7/17/02	10.56	0.59	0.1	82	83,440	83,522		64,890		
7/18/02	10.56	0.59	0	-	62,036	62,036		60,225		
7/19/02	10.56	0.59	0	-	68,066	68,066		64,890		
7/20/02	10.56	0.59	1	824	68,410	69,234		-		
7/21/02	10.56	0.59	0	-	-	-		-		
7/22/02	10.56	0.59	0	-	54,000	54,000		64,890		
7/23/02	10.56	0.59	0	-	67,590	67,590		64,890		
7/24/02	10.56	0.59	0	-	61,000	61,000		60,225		
7/25/02	10.56	0.59	0.8	659	32,500	33,159		9,270		
7/26/02	10.56	0.59	0	-	85,796	85,796		60,255		
7/27/02	10.56	0.59	0.3	247	54,591	54,838		-		
7/28/02	10.56	0.59	0.2	165	-	165		-		
7/29/02	10.56	0.59	0	-	39,623	39,623		39,600		
7/30/02	10.56	0.59	0	-	29,500	29,500		29,820		
7/31/02	10.56	0.59	0	-	37,724	37,724	141,316	-		
<b>TOTALS</b>			13.70	11,269	1,354,406	1,355,697				
							<b>NET DIFFERENCE</b>	<b>419</b>	<b>BALANCE</b>	<b>244,610</b>

PREVIOUS GALLONS STORED 141,735  
CURRENT GALLONS STORED 141,316  
GAINED (419)

SOUTH WEST DISTRICT  
 TAMPA  
**JUN 20 2003**  
 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

141,735 TREATMENT 1,121,506  
141,316 GAINED (419)  
GENERATED 1,121,087

GAL PER DAY 36,164  
PER ACRE 24,109

**Hardee County Solid Waste Department**

# Memo

**To:** Kim Ford – Department of Environmental Protections, Solid Waste Section  
**From:** Janice Williamson, S.W. Superintendent  
**Date:** 8/2/02  
**Re:** Response to phone conversation 7/31/02 with Teresa on Water Balances

Teresa has collected weights from five loads of leachate hauled to the city of Wauchula. We have determined that the average net weight of each load is 41,450 pounds. Using calculations listed on the Internet measurement converter (8.34 pounds per gallon) we have determined that each load contains approximately 4,970 gallons of leachate. We have made this correction on the last quarter Water Balance sheets and hope that they now meet with your approval. We do not have an out flow water meter on the tanks and the city does not meter incoming leachate alone (it flows into the treatment system mixed with city storm and waste water). We will make it a point to periodically check the weights of the loads being hauled and recalculate the gallons if this is acceptable to you. Should you have any more questions, please feel free to contact us.

Thanks for all you assistance and patience on Water Balances.

*Water  
 1 CF =  
 = 62.4 #  
 1 CF = 7.4805 Gallons  
 => 8.34 #/GAL*

JUNE 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
5/31/02							122,334		
6/1/02	10.56	0.59	0.2	165	19,036	19,201		-	
6/2/02	10.56	0.59	0	-	-	-		-	
6/3/02	10.56	0.59	0	-	25,919	25,919		24,850	
6/4/02	10.56	0.59	0	-	18,245	18,245		24,850	
6/5/02	10.56	0.59	1.7	1,401	27,081	28,482		24,850	
6/6/02	10.56	0.59	0.1	82	28,056	28,138		24,850	
6/7/02	10.56	0.59	1.3	1,071	25,023	26,094		24,850	
6/8/02	10.56	0.59	0	-	25,667	25,667		24,850	
6/9/02	10.56	0.59	0	-	-	-		-	
6/10/02	10.56	0.59	0.5	412	25,271	25,683		24,850	
6/11/02	10.56	0.59	0.4	330	25,133	25,463		24,850	
6/12/02	10.56	0.59	0.5	412	25,010	25,422		24,850	
6/13/02	10.56	0.59	0.1	82	24,386	24,478		24,850	
6/14/02	10.56	0.59	0.4	330	24,088	24,418		24,850	
6/15/02	10.56	0.59	0.7	577	25,881	26,458		24,850	
6/16/02	10.56	0.59	0	-	-	-		-	
6/17/02	10.56	0.59	1.8	1,463	10,000	11,463		24,850	
6/18/02	10.56	0.59	1.5	1,236	28,001	29,237		24,850	
6/19/02	10.56	0.59	0.9	742	18,165	18,907		24,850	
6/20/02	10.56	0.59	0.2	165	47,560	47,725		24,850	
6/21/02	10.56	0.59	0.8	659	13,811	14,470		24,850	
6/22/02	10.56	0.59	0.9	742	33,164	33,906		24,850	
6/23/02	10.56	0.59	0	-	-	-		-	
6/24/02	10.56	0.59	0	-	22,240	22,240		24,850	
6/25/02	10.56	0.59	0	-	39,530	39,530		39,760	
6/26/02	10.56	0.59	0	-	40,010	40,010		39,760	
6/27/02	10.56	0.59	0	-	42,791	42,791		39,760	
6/28/02	10.56	0.59	0	-	42,050	42,050		39,760	
6/29/02	10.56	0.59	0	-	40,025	40,025		39,760	
6/30/02	10.56	0.59	0	-	-	-	141,735	-	
TOTALS			12.00	8,888	696,153	708,041		670,950	
NET DIFFERENCE							19,401	BALANCE	15,890



MAY 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
4/30/02							142,208		
5/1/02	10.56	0.59	0	-	20,230	20,230		24,850	
5/2/02	10.56	0.59	0	-	29,079	29,079		24,850	
5/3/02	10.56	0.59	0	-	25,324	25,324		24,850	
5/4/02	10.56	0.59	0	-	25,016	25,016		24,850	
5/5/02	10.56	0.59	0	-	-	-		-	
5/6/02	10.56	0.59	0	-	25,782	25,782		24,850	
5/7/02	10.56	0.59	0	-	25,859	25,859		24,850	
5/8/02	10.56	0.59	0	-	23,659	23,659		24,850	
5/9/02	10.56	0.59	0	-	25,206	25,206		24,850	
5/10/02	10.56	0.59	0	-	25,204	25,204		24,850	
5/11/02	10.56	0.59	0	-	24,038	24,038		24,850	
5/12/02	10.56	0.59	0	-	-	-		-	
5/13/02	10.56	0.59	0	-	25,256	25,256		24,850	
5/14/02	10.56	0.59	0	-	27,121	27,121		24,850	
5/15/02	10.56	0.59	0	-	21,660	21,660		19,880	
5/16/02	10.56	0.59	0	-	21,403	21,403		24,850	
5/17/02	10.56	0.59	0.6	494	28,460	28,954		24,850	
5/18/02	10.56	0.59	0	-	25,910	25,910		24,850	
5/19/02	10.56	0.59	0	-	-	-		-	
5/20/02	10.56	0.59	0	-	24,413	24,413		24,850	
5/21/02	10.56	0.59	0	-	20,972	20,972		24,850	
5/22/02	10.56	0.59	0	-	23,718	23,718		24,850	
5/23/02	10.56	0.59	0	-	15,557	15,557		24,850	
5/24/02	10.56	0.59	0	-	26,355	26,355		24,850	
5/25/02	10.56	0.59	0	-	25,880	25,880		24,850	
5/26/02	10.56	0.59	0	-	-	-		-	
5/27/02	10.56	0.59	0	-	35,150	35,150		24,850	
5/28/02	10.56	0.59	0	-	20,951	20,951		24,850	
5/29/02	10.56	0.59	0	-	25,250	25,250		24,850	
5/30/02	10.56	0.59	0.7	577	13,822	14,399		24,850	
5/31/02	10.56	0.59	1.5	1,236	20,133	21,369	122,334	24,850	
TOTALS			2.80	2,307	651,208	653,515		665,980	
NET DIFFERENCE							19,874	BALANCE	7,409

APRIL 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
3/31/02							120,498		
4/1/02	9.85	1.5	2	1,648	14,000	15,648		24,850	
4/2/02	9.85	1.5	0	-	53,000	53,000		24,850	
4/3/02	9.85	1.5	0	-	-	-		-	
4/4/02	9.85	1.5	0	-	30,000	30,000		24,850	
4/5/02	9.85	1.5	0	-	20,000	20,000		24,850	
4/6/02	9.85	1.5	0	-	23,700	23,700		24,850	
4/7/02	9.85	1.5	0	-	-	-		-	
4/8/02	9.85	1.5	0	-	5,000	5,000		-	
4/9/02	9.85	1.5	0	-	-	-		-	
4/10/02	9.85	1.5	0	-	18,220	18,220		24,850	
4/11/02	9.85	1.5	0	-	-	-		-	
4/12/02	9.85	1.5	2	1,648	31,890	33,538		24,850	
4/13/02	9.85	1.5	0	-	-	-		24,850	
4/14/02	9.85	1.5	0	-	-	-		-	
4/15/02	9.85	1.5	0	-	50,000	50,000		24,850	
4/16/02	9.85	1.5	0	-	23,000	23,000		24,850	
4/17/02	9.85	1.5	0	-	23,000	23,000		24,850	
4/18/02	9.85	1.5	0	-	-	-		-	
4/19/02	9.85	1.5	0	-	-	-		-	
4/20/02	9.85	1.5	0	-	-	-		-	
4/21/02	9.85	1.5	0	-	-	-		-	
4/22/02	10.56	0.59	0	-	17,391	17,391		24,850	
4/23/02	10.56	0.59	0	-	29,727	29,727		24,850	
4/24/02	10.68	0.59	0	-	24,012	24,012		24,850	
4/25/02	10.56	0.59	0	-	-	-		-	
4/26/02	10.56	0.59	0.4	330	22,506	22,836		24,850	
4/27/02	10.56	0.59	0	-	24,014	24,014		24,850	
4/28/02	10.56	0.59	0	-	-	-		-	
4/29/02	10.56	0.59	0	-	29,682	29,682		24,850	
4/30/02	10.56	0.59	0	-	25,211	25,211	142,208	24,850	
TOTALS			4.40	3,626	484,353	467,979		447,300	
NET DIFFERENCE							21,710	BALANCE	-1,031

HARDEE COUNTY SOLID WASTE DEPARTMENT

MARCH 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
2/28/02							144,882		
3/1/02	9.65	1.5	0	-	-	-		-	
3/2/02	9.65	1.5	0	-	-	-		23,175	
3/3/02	9.65	1.5	0	-	-	-		-	
3/4/02	9.65	1.5	0	-	-	-		-	
3/5/02	9.65	1.5	0	-	-	-		-	
3/6/02	9.65	1.5	0	-	-	-		-	
3/7/02	9.65	1.5	0	-	47,000	47,000		23,175	
3/8/02	9.65	1.5	0	-	27,000	27,000		23,175	
3/9/02	9.65	1.5	0	-	23,000	23,000		23,175	
3/10/02	9.65	1.5	0	-	-	-		-	
3/11/02	9.65	1.5	0	-	23,100	23,100		23,175	
3/12/02	9.65	1.5	0	-	-	-		-	
3/13/02	9.65	1.5	0	-	23,800	23,800		23,175	
3/14/02	9.65	1.5	0	-	28,384	28,384		23,175	
3/15/02	9.65	1.5	0	-	-	-		23,175	
3/16/02	9.65	1.5	0	-	-	-		23,175	
3/17/02	9.65	1.5	0	-	-	-		-	
3/18/02	9.65	1.5	0	-	-	-		-	
3/18/02	9.65	1.5	0	-	-	-		-	
3/20/02	9.65	1.5	0	-	41,000	41,000		23,175	
3/21/02	9.65	1.5	0	-	28,254	28,254		23,175	
3/22/02	9.65	1.5	0	-	23,000	23,000		23,175	
3/23/02	9.65	1.5	0	-	-	-		-	
3/24/02	9.65	1.5	0	-	-	-		-	
3/25/02	9.65	1.5	0	-	23,000	23,000		23,175	
3/26/02	9.65	1.5	0	-	-	-		-	
3/27/02	9.65	1.5	0	-	28,800	28,800		23,175	
3/28/02	9.65	1.5	0	-	-	-		23,175	
3/28/02	9.65	1.5	0	-	-	-		-	
3/30/02	9.65	1.5	0	-	-	-		-	
3/31/02	9.65	1.5	0	-	-	-	120,498	-	
TOTALS			0.00	-	313,148	313,148		347,625	
NET DIFFERENCE							24,384	BALANCE	-10,093

PREVIOUS GALLONS STORED	144,882	TREATMENT	347,625	GAL PER DAY	10,427
CURRENT GALLONS STORED	120,498	LOST	(24,384)	PER ACRE	6,951
LOST	(24,384)	GENERATED	323,241		

No rainfall recorded for this month.  
Disconnected pump in ditch. All leachate generated in ditch will be pumped to tanks and hauled from tanks from now on.

FEBRUARY 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED (from underdrains)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
1/31/02							142,627		
2/1/02	9.65	1.5	0	-	-	-		-	
2/2/02	9.65	1.5	0	-	-	-		23,175	
2/3/02	9.65	1.5	0	-	-	-		-	
2/4/02	9.65	1.5	0	-	20,000	20,000		23,175	
2/5/02	9.65	1.5	0	-	42,000	42,000		23,175	
2/6/02	9.65	1.5	0	-	15,500	15,500		23,175	
2/7/02	9.65	1.5	0	-	18,000	18,000		23,175	
2/8/02	9.65	1.5	0	-	20,000	20,000		23,175	
2/9/02	9.65	1.5	0	-	28,000	28,000		23,175	
2/10/02	9.65	1.5	0	-	-	-		-	
2/11/02	9.65	1.5	0.3	247	24,000	24,247		23,175	
2/12/02	9.65	1.5	0	-	16,000	16,000		23,175	
2/13/02	9.65	1.5	0	-	20,000	20,000		23,175	
2/14/02	9.65	1.5	0	-	20,000	20,000		23,175	
2/15/02	9.65	1.5	0	-	19,500	19,500		23,175	
2/16/02	9.65	1.5	0	-	18,700	18,700		23,175	
2/17/02	9.65	1.5	0	-	-	-		-	
2/18/02	9.65	1.5	0	-	25,500	25,500		23,175	
2/19/02	9.65	1.5	0	-	13,300	13,300		-	
2/20/02	9.65	1.5	0	-	17,000	17,000		23,175	
2/21/02	9.65	1.5	0	-	17,000	17,000		23,175	
2/22/02	9.65	1.5	6.1	5,028	31,000	36,028		23,175	
2/23/02	9.65	1.5	2.1	1,730	53,000	54,730		23,175	
2/24/02	9.65	1.5	0	-	-	-		-	
2/25/02	9.65	1.5	0	-	-	-		23,175	
2/26/02	9.65	1.5	0	-	46,000	46,000		23,175	
2/27/02	9.65	1.5	0	-	-	-		23,175	
2/28/02	9.65	1.5	0	-	40,000	40,000	144,882	23,175	
TOTALS			8.50	7,004	504,500	511,504		509,850	
NET DIFFERENCE							2,255	BALANCE	-801

PREVIOUS GALLONS STORED	142,627	TREATMENT	509,850	GAL PER DAY	18,289
CURRENT GALLONS STORED	144,882	GAINED	2,255	PER ACRE	12,193
GAINED	2,255				

GENERATED 512,105

NOTE: Leachate was not hauled directly from the ditch, all leachate pumped to tanks and hauled from tanks.

2001

JANUARY 2002  
LEACHATE WATER BALANCE

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED (from ditch)	LEACHATE COLLECTED (from underdrains)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
12/31/01								69,636			
1/1/02	9.65	1.5	0	-	-	-	-				
1/2/02	9.65	1.5	0.04	33	-	4,635	4,668		4,635		
1/3/02	9.65	1.5	0.01	8	-	-	8				
1/4/02	9.65	1.5	0	-	-	-	-				
1/5/02	9.65	1.5	0	-	-	-	-				
1/6/02	9.65	1.5	0.01	8	-	-	8				
1/7/02	9.65	1.5	0	-	-	-	-				
1/8/02	9.65	1.5	0	-	-	-	-				
1/9/02	9.65	1.5	0	-	-	-	-				
1/10/02	9.65	1.5	0	-	-	-	-				
1/11/02	9.65	1.5	0	-	-	-	-				
1/12/02	9.65	1.5	0	-	-	-	-				
1/13/02	9.65	1.5	0	-	-	-	-				
1/14/02	9.65	1.5	2.04	1,661	-	13,905	15,566		13,905		
1/15/02	9.65	1.5	0	-	-	-	-				
1/16/02	9.65	1.5	0	-	-	13,905	13,905		13,905		
1/17/02	9.65	1.5	0	-	-	13,905	13,905		13,905		
1/18/02	9.65	1.5	0	-	-	13,905	13,905		13,905		
1/19/02	9.65	1.5	0	-	-	-	-				
1/20/02	9.65	1.5	0	-	-	-	-				
1/21/02	9.65	1.5	0	-	-	-	-				
1/22/02	9.65	1.5	0	-	-	13,905	13,905		13,905		
1/23/02	9.65	1.5	0	-	28,000	13,905	41,905		23,175		
1/24/02	9.65	1.5	0	-	-	13,905	13,905		23,175		
1/25/02	9.65	1.5	0	-	58,000	4,635	62,635		23,175		
1/26/02	9.65	1.5	0	-	22,800	-	22,800		23,175		
1/27/02	9.65	1.5	0	-	-	-	-				
1/28/02	9.65	1.5	0	-	-	-	-		23,175		
1/29/02	9.65	1.5	0	-	68,000	-	68,000		23,175		
1/30/02	9.65	1.5	0	-	25,400	-	25,400		23,175		
1/31/02	9.65	1.5	0	-	-	-	-	142,627			
TOTALS	9.65	1.5	2.10	1,730	202,000	108,605	310,335		236,385		
								NET DIFFERENCE	72,991	BALANCE	959

PREVIOUS GALLONS STORED 69,638  
CURRENT GALLONS STORED 142,627  
GAINED 72,991

TREATMENT GAINED 236,385  
GENERATED 309,376

GAL PER DAY PER ACRE 9,980  
6,863

NOTES: Rainfall gallons calculated for 2 - 29' diameter tanks (.0303 acres @ 27,150 gallon per acre/per inch)

=> 823 gallons / inch

Hardee County Solid Waste Department  
685 Airport Road  
Wauchula, FL 33873

**ASHVILLE**

**To:** Kim Ford **Fax:** 813-744-6125

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**From:** Teresa Carver **Date:** 6/18/02

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**Re:** Water Balance **Pages:** 5

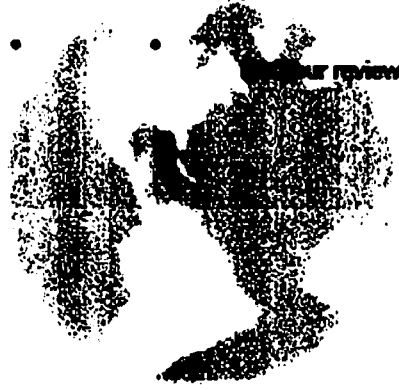
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**CC:**

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- Urgent
  - For Review
  - Please Comment
  - Please Reply
  - Please Recycle
- 

our review, the revised 2002 water balances.

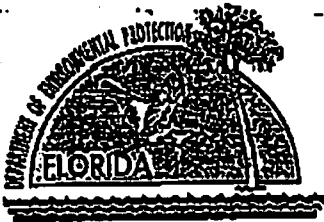


**\*\* Transmit Conf. Report \*\***

P.1

Apr 29 2002 13:53

Telephone Number	Mode	Start	Time	Pages	Result	Note
818637733907	NORMAL	29,13:45	7'26"	5	OK	



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**3804 COCONUT PALM DRIVE**  
**TAMPA, FL 33619-8318**

**FAX**

Date: 4/29/02  
 Number of pages including cover sheet: 5

TO: <u>Tancer Williamson</u>	FROM: <u>Kim Ford</u>
PHONE: <u>863 773 5089</u>	PHONE: (813) 744-6100, <u>x 382</u>
FAX #: <u>863 773 3907</u>	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>- Comments</u>	

\*\* Transmit Conf. Report \*\*

P.1

Apr 19 2002 15:06

Telephone Number	Mode	Start	Time	Pages	Result	Note
818637733907	NORMAL	19,15:02	4'28"	3	OK	



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**3804 COCONUT PALM DRIVE**  
**TAMPA, FL 33619-8318**

FAX

Date: 4/19/02  
 Number of pages including cover sheet: 3

TO: <u>JANICE WILLIAMSON</u>	FROM: <u>KIM FORD</u>
PHONE: <u>863 773 5089</u>	PHONE: (813) 744-6100, x <u>782</u>
FAX #: <u>863 773 3907</u>	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input checked="" type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>LEACHATE REPORTS NEEDED</u>	
<u>TAX</u>	
<u>fm</u>	



685 Airport Road  
Wauchula, FL 33873-8663  
(863) 773-5089  
FAX (863) 773-3907

Hardee County Solid Waste Department

D.E.P.  
APR 26 2002  
Southwest District Tampa

April 23, 2002

Department of Environmental Protections  
Attention: Kim B. Ford  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate Water Balances

Dear Mr. Ford:

Attached for your review is the first quarter leachate water balances for the year 2002. Thank you for your assistance in developing the 2002 monthly leachate water balance sheets. We hope that this new format is better suited for your needs as well. Should you have any questions or if you would like to request any changes, please feel free to contact us.

Sincerely,



Janice Williamson,  
Solid Waste Superintendent

.....

HARDEE COUNTY SOLID WASTE DEPARTMENT  
ANNUAL LEACHATE BALANCE SUMMARY  
2001

MONTH	TOTAL RAINFALL INCHES	TOTAL RAINFALL GALLONS ACREA	OPEN TANKS & DITCH	TOTAL GALLONS STORED TANKS & DITCH	TOTAL GALLONS HAULED TO TREATMENT PLANT	TOTAL GALLONS GENERATED	GALLONS GENERATED PER ACRE PER DAY
Jan-01	-	-	-	105,638	389,974	335,597	971
Feb-01	-	-	-	365,873	23,175	283,210	907
Mar-01	7.3	608,459	-	439,367	208,575	282,069	818
Apr-01	-	-	-	477,532	185,400	223,565	688
May-01	5.4	450,093	-	550,418	120,510	193,396	580
Jun-01	10.8	908,520	-	782,117	74,160	306,859	914
Jul-01	17.9	1,491,974	-	1,376,141	560,835	1,154,859	3,341
Aug-01	7.7	641,799	-	1,184,744	1,061,415	870,018	2,517
Sep-01	17.6	1,466,959	-	1,668,328	1,084,455	1,566,039	6,282
Oct-01	0.7	66,518	-	1,189,420	955,040	478,132	1,816
Nov-01	-	-	-	813,930	639,630	284,140	1,002
Dec-01	0.2	19,005	-	347,833	648,900	182,803	684
<b>YEAR END TOTAL</b>	<b>67.7</b>	<b>5,853,336</b>		<b>N/A</b>	<b>5,932,069</b>	<b>6,139,687</b>	<b>16,821</b>

TOTAL ACRES DISPOSAL WITH INTERMEDIATE COVER 8.06  
TOTAL ACRES DISPOSAL WITH DAILY COVER (OPEN) 2.36  
TOTAL ACRES LEACHATE COLLECTION (DITCH AND TANKS) 0.72  
  
TOTAL ACRES 11.15

HARDEE COUNTY SOLID WASTE DEPARTMENT  
LEACHATE BALANCE  
DECEMBER 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open areas and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
12/1/01	8.5	3.5	-	-	650,084	134,709	784,793	37,080	-	37,080
12/2/01	8.5	3.5	-	-	-	-	-	-	-	-
12/3/01	8.5	3.5	-	-	628,772	134,604	763,376	37,080	-	37,080
12/4/01	8.5	3.5	-	-	592,699	134,604	727,303	37,080	-	37,080
12/5/01	8.5	3.5	-	-	800,166	134,499	934,665	-	-	-
12/6/01	8.5	3.5	-	-	607,658	134,552	742,210	-	-	-
12/7/01	8.5	3.5	-	-	571,926	134,394	706,320	37,080	-	37,080
12/8/01	8.5	3.5	-	-	577,840	134,237	712,077	-	-	-
12/9/01	8.5	3.5	-	-	-	-	-	-	-	-
12/10/01	8.5	3.5	-	-	588,230	134,290	722,520	-	-	-
12/11/01	8.5	3.5	-	-	561,614	134,132	695,746	32,445	-	32,445
12/12/01	8.5	3.5	-	-	525,198	133,450	658,648	37,080	-	37,080
12/13/01	8.5	3.5	-	-	485,106	133,975	619,081	37,080	-	37,080
12/14/01	8.5	3.5	-	-	484,086	133,870	617,956	32,445	-	32,445
12/15/01	8.5	3.5	-	-	457,061	98,266	555,327	37,080	-	37,080
12/16/01	8.5	3.5	-	-	-	-	-	-	-	-
12/17/01	8.5	3.5	-	-	461,269	98,160	559,429	23,175	-	23,175
12/18/01	8.5	3.5	0.20	19,005	430,772	98,003	528,775	37,080	-	37,080
12/19/01	8.5	3.5	-	-	398,070	97,899	495,969	27,810	-	27,810
12/20/01	8.5	3.5	-	-	380,604	97,689	478,293	23,175	-	23,175
12/21/01	8.5	3.5	-	-	346,182	97,427	443,609	32,445	-	32,445
12/22/01	8.5	3.5	-	-	343,574	75,089	418,663	37,080	-	37,080
12/23/01	8.5	3.5	-	-	-	-	-	-	-	-
12/24/01	8.5	3.5	-	-	375,264	75,036	450,300	-	-	-
12/25/01	8.5	3.5	-	-	-	-	-	-	-	-
12/26/01	8.5	3.5	-	-	352,756	75,142	427,898	37,080	-	37,080
12/27/01	8.5	3.5	-	-	318,905	75,184	394,089	37,080	-	37,080
12/28/01	8.5	3.5	-	-	293,339	84,794	378,133	32,445	-	32,445
12/29/01	8.5	3.5	-	-	276,942	86,572	363,514	37,080	-	37,080
12/30/01	8.5	3.5	-	-	-	-	-	-	-	-
12/31/01	8.5	3.5	-	-	278,197	69,636	347,833	37,080	-	37,080
TOTAL			0.2	19,005	278,197	69,636	347,833	685,980	-	648,900

PREVIOUS GALLONS STORED 813,930  
CURRENT GALLONS STORED 347,833  
LOST 466,097

TREATMENT LOST 648,900  
GENERATEI 466,097  
182,803

GENERATED PER DAY 5.897  
PER ACRE PER DAY 694

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 NOVEMBER 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
11/1/01	8.5	3.5	-	-	1,019,875	137,488	1,157,363	37,080	-	37,080
11/2/01	8.5	3.5	-	-	993,625	137,331	1,130,956	32,445	-	32,445
11/3/01	8.5	3.5	-	-	967,603	137,331	1,104,934	37,080	-	37,080
11/4/01	8.5	3.5	-	-	-	-	-	-	-	-
11/5/01	8.5	3.5	-	-	950,382	137,383	1,087,765	37,080	-	37,080
11/6/01	8.5	3.5	-	-	962,428	138,754	1,099,180	-	-	-
11/7/01	8.5	3.5	-	-	969,331	138,649	1,105,980	-	-	-
11/8/01	8.5	3.5	-	-	977,985	138,754	1,114,739	-	-	-
11/9/01	8.5	3.5	-	-	958,980	138,282	1,095,262	27,810	-	27,810
11/10/01	8.5	3.5	-	-	933,282	136,177	1,069,439	37,080	-	37,080
11/11/01	8.5	3.5	-	-	-	-	-	-	-	-
11/12/01	8.5	3.5	-	-	916,244	138,177	1,052,421	37,080	-	37,080
11/13/01	8.5	3.5	-	-	879,161	138,482	1,016,653	37,080	-	37,080
11/14/01	8.5	3.5	-	-	859,140	138,544	995,684	37,080	-	37,080
11/15/01	8.5	3.5	-	-	835,988	138,544	972,512	37,080	-	37,080
11/16/01	8.5	3.5	-	-	814,629	136,915	950,544	37,080	-	37,080
11/17/01	8.5	3.5	-	-	783,749	135,663	919,612	37,080	-	37,080
11/18/01	8.5	3.5	-	-	-	-	-	-	-	-
11/19/01	8.5	3.5	-	-	804,838	135,458	940,296	-	-	-
11/20/01	8.5	3.5	-	-	782,134	135,600	917,734	32,445	-	32,445
11/21/01	8.5	3.5	-	-	769,038	135,600	901,638	27,810	-	27,810
11/22/01	8.5	3.5	-	-	-	-	-	-	-	-
11/23/01	8.5	3.5	-	-	782,134	135,443	917,577	-	-	-
11/24/01	8.5	3.5	-	-	788,900	135,380	923,990	-	-	-
11/25/01	8.5	3.5	-	-	-	-	-	-	-	-
11/26/01	8.5	3.5	-	-	786,038	135,288	901,324	37,080	-	37,080
11/27/01	8.5	3.5	-	-	734,152	135,023	869,175	37,080	-	37,080
11/28/01	8.5	3.5	-	-	742,085	135,023	877,108	-	-	-
11/29/01	8.5	3.5	-	-	710,503	134,971	845,474	37,080	-	37,080
11/30/01	8.5	3.5	-	-	679,328	134,604	813,930	37,080	-	37,080
TOTAL			-	-	879,328	134,604	813,930	639,630	-	639,630

PREVIOUS GALLONS STORED	1,189,420	TREATMENT LOST	639,630	GENERATED PER DAY	8,521
CURRENT GALLONS STORED	813,930	GENERATED	375,480	GENERATED PER ACRE PER DAY	1,002
GALLONS LOST	375,490		284,140		

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
OCTOBER 2001

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
10/1/01	8.5	3.5	-	-	1,509,111	100,730	1,509,841	9,270	57,270	66,540
10/2/01	8.5	3.5	-	-	1,488,959	144,041	1,533,000	48,000	-	48,000
10/3/01	8.5	3.5	-	-	1,454,934	143,833	1,598,767	48,000	-	48,000
10/4/01	8.5	3.5	-	-	1,419,226	143,886	1,563,112	48,000	-	48,000
10/5/01	8.5	3.5	-	-	1,387,781	143,783	1,531,544	48,000	-	48,000
10/6/01	8.5	3.5	-	-	1,374,077	143,676	1,517,753	38,000	-	38,000
10/7/01	8.5	3.5	-	-	-	-	-	-	-	-
10/8/01	8.5	3.5	-	-	1,360,443	143,416	1,503,859	24,000	18,000	42,000
10/9/01	8.5	3.5	-	-	1,360,443	-	1,360,443	42,000	12,000	54,000
10/10/01	8.5	3.5	-	-	1,333,323	135,338	1,468,661	48,000	-	48,000
10/11/01	8.5	3.5	-	-	1,304,487	135,340	1,439,827	48,000	-	48,000
10/12/01	8.5	3.5	-	-	1,273,880	135,023	1,409,003	-	-	-
10/13/01	8.5	3.5	-	-	1,279,880	135,967	1,415,647	-	-	-
10/14/01	8.5	3.5	-	-	-	-	-	-	-	-
10/15/01	8.5	3.5	-	-	1,287,285	130,040	1,417,335	23,175	-	23,175
10/16/01	8.5	3.5	-	-	1,283,017	98,172	1,388,189	-	27,810	27,810
10/17/01	8.5	3.5	-	-	1,283,486	72,415	1,355,901	13,005	23,175	37,080
10/18/01	8.5	3.5	-	-	1,260,715	72,415	1,333,130	27,810	-	27,810
10/19/01	8.5	3.5	-	-	1,236,211	72,519	1,308,730	37,080	-	37,080
10/20/01	8.5	3.5	0.10	9,503	1,210,015	72,152	1,282,167	37,080	-	37,080
10/21/01	8.5	3.5	-	-	-	-	-	-	-	-
10/22/01	8.5	3.5	-	-	1,204,427	72,781	1,277,208	37,080	-	37,080
10/23/01	8.5	3.5	0.4	38,010	1,213,748	73,148	1,286,863	-	-	-
10/24/01	8.5	3.5	-	-	1,188,571	113,314	1,302,885	37,080	-	37,080
10/25/01	8.5	3.5	-	-	1,158,382	138,484	1,294,866	37,080	-	37,080
10/26/01	8.5	3.5	-	-	1,127,157	138,233	1,265,390	32,445	-	32,445
10/27/01	8.5	3.5	-	-	1,107,215	137,908	1,245,123	37,080	-	37,080
10/28/01	8.5	3.5	-	-	-	-	-	-	-	-
10/29/01	8.5	3.5	-	-	1,080,220	137,750	1,217,970	37,080	-	37,080
10/30/01	8.5	3.5	-	-	1,053,453	137,583	1,191,046	37,445	-	37,445
10/31/01	8.5	3.5	0.20	19,005	1,035,735	137,750	1,173,485	23,175	-	23,175
<b>TOTAL</b>			<b>0.70</b>	<b>68,518</b>	<b>1,053,453</b>	<b>135,967</b>	<b>1,188,420</b>	<b>616,785</b>	<b>138,255</b>	<b>955,040</b>

PREVIOUS GALLONS STORED 1,886,328  
 CURRENT GALLONS STORED 1,188,420  
 LOST 478,908

TREATMENT 955,040  
 LOST 478,908  
 GENERATED 478,132

GENERATED PER DAY 15,424  
 PER ACRE PER DAY 1,815

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 SEPTEMBER 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
9/1/01	8.08	3.07	-	-	1,071,272	107,652	1,178,924	-	37,080	37,080
9/2/01	8.08	3.07	-	-	-	-	-	-	-	-
9/3/01	8.08	3.07	-	-	-	-	-	-	-	-
9/4/01	8.08	3.07	-	-	1,071,272	93,284	1,164,556	-	37,080	37,080
9/5/01	8.08	3.07	0.3	25,005	1,097,396	98,948	1,196,344	-	37,080	37,080
9/6/01	8.08	3.07	3.0	250,052	1,198,848	89,561	1,288,409	-	37,080	37,080
9/7/01	8.08	3.07	-	-	1,264,500	141,106	1,405,606	-	37,080	37,080
9/8/01	8.08	3.07	2.5	208,378	1,331,394	115,098	1,446,492	-	37,080	37,080
9/9/01	8.08	3.07	1.8	133,361	1,370,177	116,147	1,486,324	-	27,810	27,810
9/10/01	8.08	3.07	-	-	1,429,112	122,648	1,551,761	-	-	-
9/11/01	8.08	3.07	0.6	50,010	1,435,055	122,544	1,557,599	-	4,635	4,635
9/12/01	8.08	3.07	3.0	250,052	1,439,023	138,964	1,577,987	-	27,810	27,810
9/13/01	8.08	3.07	4.0	333,402	1,568,126	140,372	1,708,498	-	13,905	13,905
9/14/01	8.08	3.07	1.3	108,358	1,594,658	141,001	1,735,659	-	-	-
9/15/01	8.08	3.07	-	-	1,605,185	141,526	1,746,711	-	-	-
9/16/01	8.08	3.07	-	-	-	-	-	-	-	-
9/17/01	8.08	3.07	-	-	1,689,289	142,050	1,831,339	-	-	-
9/18/01	8.08	3.07	-	-	1,791,091	141,788	1,932,879	9,270	-	9,270
9/19/01	8.08	3.07	-	-	1,856,283	143,088	1,999,371	23,175	48,000	71,175
9/20/01	8.08	3.07	-	-	1,823,563	144,882	1,968,445	48,000	37,080	85,080
9/21/01	8.08	3.07	-	-	1,748,150	140,477	1,888,627	27,810	52,835	80,445
9/22/01	8.08	3.07	0.2	16,870	1,728,831	108,131	1,836,962	42,000	37,080	79,080
9/23/01	8.08	3.07	-	-	-	-	-	-	-	-
9/24/01	8.08	3.07	0.3	25,005	1,701,383	145,198	1,846,581	48,000	37,080	85,080
9/25/01	8.08	3.07	0.4	33,340	1,853,016	109,697	1,962,713	48,000	37,080	85,080
9/26/01	8.08	3.07	-	-	1,838,402	131,543	1,969,945	30,000	55,080	85,080
9/27/01	8.08	3.07	-	-	1,598,985	131,543	1,730,528	48,000	-	48,000
9/28/01	8.08	3.07	0.4	33,340	1,549,720	140,772	1,690,492	55,905	18,540	74,445
9/29/01	8.08	3.07	-	-	1,559,835	108,383	1,668,218	-	85,080	85,080
9/30/01	8.08	3.07	-	-	-	-	-	-	-	-
<b>TOTAL</b>			<b>17.6</b>	<b>1,486,969</b>	<b>1,559,935</b>	<b>108,383</b>	<b>1,668,328</b>	<b>390,160</b>	<b>704,295</b>	<b>1,084,455</b>

PREVIOUS GALLONS STORED 1,164,744  
 CURRENT GALLONS STORED 1,666,328  
GALLONS GAINED 481,584

TREATMENT 1,084,455  
 GAINED 481,584  
 GENERATED 1,566,039

GENERATED PER DAY 50,517  
 GENERATED PER ACRE PER DA. 6,252

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 AUGUST 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
8/1/01	8.08	3.07	-	-	1,280,715	82,341	1,363,056	-	-	-
8/2/01	8.08	3.07	0.8	68,680	1,241,851	83,022	1,334,873	37,080	-	37,080
8/3/01	8.08	3.07	0.4	33,340	1,241,851	82,131	1,333,982	27,810	-	27,810
8/4/01	8.08	3.07	0.8	68,680	1,247,499	83,661	1,341,160	37,080	-	37,080
8/5/01	8.08	3.07	0.8	50,010	1,241,851	83,758	1,335,607	37,080	-	37,080
8/6/01	8.08	3.07	1.5	125,025	1,264,500	100,882	1,365,482	18,540	18,540	37,080
8/7/01	8.08	3.07	-	-	1,180,319	81,853	1,262,172	18,540	18,540	37,080
8/8/01	8.08	3.07	-	-	1,312,154	122,169	1,434,323	37,080	-	37,080
8/9/01	8.08	3.07	-	-	1,285,380	125,113	1,410,503	37,080	-	37,080
8/10/01	8.08	3.07	1.4	116,891	1,253,157	122,327	1,375,484	52,445	-	32,445
8/11/01	8.08	3.07	-	-	1,273,980	125,058	1,399,038	37,080	-	37,080
8/12/01	8.08	3.07	-	-	1,245,615	126,088	1,371,681	37,080	-	37,080
8/13/01	8.08	3.07	-	-	1,284,500	124,746	1,389,246	37,080	-	37,080
8/14/01	8.08	3.07	-	-	1,283,488	181,931	1,445,417	-	-	-
8/15/01	8.08	3.07	-	-	1,288,384	125,039	1,391,433	37,080	-	37,080
8/16/01	8.08	3.07	-	-	1,245,615	122,326	1,367,841	37,080	-	37,080
8/17/01	8.08	3.07	-	-	1,226,833	122,274	1,349,107	37,080	-	37,080
8/18/01	8.08	3.07	0.3	25,005	1,219,348	108,288	1,325,636	18,540	18,540	37,080
8/19/01	8.08	3.07	0.5	41,675	1,191,424	108,603	1,288,027	37,080	-	37,080
8/20/01	8.08	3.07	-	-	1,180,319	108,238	1,288,555	37,080	-	37,080
8/21/01	8.08	3.07	1.4	116,891	1,184,017	107,337	1,291,354	37,080	-	37,080
8/22/01	8.08	3.07	-	-	1,181,891	108,235	1,288,127	37,080	-	37,080
8/23/01	8.08	3.07	-	-	1,143,584	108,868	1,250,220	37,080	-	37,080
8/24/01	8.08	3.07	-	-	1,125,339	108,235	1,231,575	37,080	-	37,080
8/25/01	8.08	3.07	-	-	1,107,215	105,974	1,213,189	37,080	-	37,080
8/26/01	8.08	3.07	-	-	1,080,220	107,966	1,188,186	37,080	-	37,080
8/27/01	8.08	3.07	-	-	1,053,453	108,291	1,159,744	37,080	-	37,080
8/28/01	8.08	3.07	-	-	1,076,638	105,712	1,182,350	37,080	-	37,080
8/29/01	8.08	3.07	-	-	1,053,453	104,401	1,157,854	37,080	-	37,080
8/30/01	8.08	3.07	-	-	1,062,350	110,955	1,173,305	-	37,080	37,080
8/31/01	8.08	3.07	-	-	1,071,272	113,472	1,184,744	-	37,080	37,080
TOTAL			7.7	641,799	1,071,272	113,472	1,184,744	931,636	129,780	1,061,415

PREVIOUS GALLONS STORED 1,376,141  
 CURRENT GALLONS STORED 1,184,744  
GALLONS LOST 191,397

TREATMENT 1,061,415  
 LOST 191,397  
 GENERATED 870,018

GENERATED PER DAY 28,065  
 GENERATED PER ACRE PER DAY 2.517

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 JULY 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open areas and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
7/1/01	8.07	3.07	-	-	-	-	-	-	-	-
7/2/01	8.07	3.07	-	-	740,487	88,243	838,740	-	-	-
7/3/01	8.07	3.07	-	-	740,487	88,273	838,770	-	-	-
7/4/01	8.07	3.07	0.70	58,345	-	-	-	-	-	-
7/5/01	8.07	3.07	0.40	33,340	748,450	91,397	839,847	9,270	9,270	18,540
7/6/01	8.07	3.07	-	-	750,044	90,820	840,864	-	-	-
7/7/01	8.07	3.07	-	-	740,487	89,928	830,425	-	-	-
7/8/01	8.07	3.07	-	-	-	-	-	-	-	-
7/9/01	8.07	3.07	0.80	66,880	758,450	91,282	849,722	-	-	-
7/10/01	8.07	3.07	0.40	33,340	748,450	91,606	840,058	-	-	-
7/11/01	8.07	3.07	0.70	58,345	772,484	84,560	867,044	9,270	9,270	18,540
7/12/01	8.07	3.07	0.20	16,870	748,450	89,823	838,273	11,588	11,587	23,175
7/13/01	8.07	3.07	0.60	66,880	604,838	87,545	902,384	-	-	-
7/14/01	8.07	3.07	1.50	125,026	621,178	73,178	894,355	-	-	-
7/15/01	8.07	3.07	-	-	-	-	-	-	-	-
7/16/01	8.07	3.07	0.40	33,340	875,814	80,872	968,888	23,175	-	23,175
7/17/01	8.07	3.07	2.50	208,378	1,048,127	83,180	1,141,307	27,810	-	27,810
7/18/01	8.07	3.07	2.70	225,048	1,012,853	82,340	1,105,183	27,810	-	27,810
7/19/01	8.07	3.07	0.40	33,340	1,118,891	83,087	1,214,958	27,810	-	27,810
7/20/01	8.07	3.07	0.80	66,880	1,068,916	84,882	1,180,578	32,445	-	32,445
7/21/01	8.07	3.07	1.30	108,358	1,202,568	86,220	1,298,786	37,080	-	37,080
7/22/01	8.07	3.07	2.2	183,371	1,325,611	88,221	1,421,832	37,080	-	37,080
7/23/01	8.07	3.07	1.3	108,358	1,374,077	82,917	1,486,984	32,445	4,635	37,080
7/24/01	8.07	3.07	-	-	1,387,761	82,445	1,480,206	37,080	-	37,080
7/25/01	8.07	3.07	0.4	33,340	1,352,674	82,445	1,445,119	37,080	-	37,080
7/26/01	8.07	3.07	-	-	1,344,822	82,708	1,437,830	27,810	-	27,810
7/27/01	8.07	3.07	-	-	1,323,888	82,488	1,418,152	37,080	-	37,080
7/28/01	8.07	3.07	-	-	-	82,383	82,383	37,080	-	37,080
7/29/01	8.07	3.07	-	-	1,272,082	82,028	1,364,108	37,080	-	37,080
7/30/01	8.07	3.07	-	-	1,255,045	81,553	1,346,598	37,080	-	37,080
7/31/01	8.07	3.07	0.40	33,340	1,283,486	82,655	1,376,141	-	-	-
TOTAL			17.80	1,481,974	1,283,486	82,655	1,376,141	528,073	34,762	560,835

PREVIOUS GALLONS STORED	782,117	TREATMENT	560,835	GENERATED PER DAY	37,254
CURRENT GALLONS STORED	1,376,141	GAINED	594,024	GENERATED PER ACRE/PER DAY	3.341
GALLONS GAINED	594,024	GENERATED	1,154,859		



HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 JUNE 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open areas and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
6/1/01	3.07	3.07	-	-	441,604	84,895	526,499	9,270	9,270	10,540
6/2/01	3.07	3.07	-	-	444,673	92,865	537,438	-	-	-
6/3/01	3.07	3.07	-	-	-	-	-	-	-	-
6/4/01	3.07	3.07	0.10	8,335	421,173	83,321	504,494	9,270	9,270	18,540
6/5/01	3.07	3.07	0.30	25,005	414,347	89,285	504,842	9,270	9,270	18,540
6/6/01	3.07	3.07	0.10	8,335	411,824	89,558	502,182	-	-	-
6/7/01	3.07	3.07	0.10	8,335	414,347	89,033	504,380	-	-	-
6/8/01	3.07	3.07	0.30	25,005	411,824	90,088	501,709	-	-	-
6/9/01	3.07	3.07	-	-	460,773	83,951	484,724	9,270	9,270	18,540
6/10/01	3.07	3.07	-	-	-	-	-	-	-	-
6/11/01	3.07	3.07	-	-	394,024	82,288	486,312	-	-	-
6/12/01	3.07	3.07	-	-	391,332	82,288	483,620	-	-	-
6/13/01	3.07	3.07	0.30	25,005	387,301	82,128	479,429	-	-	-
6/14/01	3.07	3.07	0.90	75,015	414,347	82,855	507,002	-	-	-
6/15/01	3.07	3.07	0.10	8,335	400,773	82,028	492,798	-	-	-
6/16/01	3.07	3.07	-	-	400,773	82,780	483,553	-	-	-
6/17/01	3.07	3.07	-	-	-	-	-	-	-	-
6/18/01	3.07	3.07	2.10	175,036	487,852	93,127	591,079	-	-	-
6/19/01	3.07	3.07	0.80	50,010	505,088	94,542	598,628	-	-	-
6/20/01	3.07	3.07	0.20	16,670	500,803	94,123	594,928	-	-	-
6/21/01	3.07	3.07	0.10	8,335	500,803	93,703	594,508	-	-	-
6/22/01	3.07	3.07	1.1	91,888	512,248	94,595	606,041	-	-	-
6/23/01	3.07	3.07	1.6	133,361	428,024	88,010	524,034	-	-	-
6/24/01	3.07	3.07	0.4	33,340	-	-	-	-	-	-
6/25/01	3.07	3.07	-	-	622,719	85,698	718,415	-	-	-
6/26/01	3.07	3.07	-	-	618,882	94,333	711,015	-	-	-
6/27/01	3.07	3.07	0.1	8,335	615,178	85,329	710,605	-	-	-
6/28/01	3.07	3.07	-	-	604,858	86,898	700,354	-	-	-
6/29/01	3.07	3.07	-	-	601,862	94,910	696,572	-	-	-
6/30/01	3.07	3.07	2.50	208,376	685,529	98,586	782,117	-	-	-
TOTAL	242.1	92.1	10.90	908,520	685,529	96,568	782,117	37,080	37,080	74,160

PREVIOUS GALLONS STORED	550,418	TREATMENT	74,160	GENERATED PER DAY	10,195
CURRENT GALLONS STORED	782,117	GAINED	231,899	GENERATED PER ACRE/PER DA	914
GALLONS GAINED	231,899	GENERATED	305,859		

**HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
MAY 2001**

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open sores and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
5/1/01	8.07	3.07	-	-	373,832	103,247	477,179	-	-	-
5/2/01	8.07	3.07	-	-	387,288	88,370	485,658	-	13,905	13,905
5/3/01	8.07	3.07	0.4	33,340	376,588	88,475	475,073	-	-	-
5/4/01	8.07	3.07	0.9	75,015	400,773	85,881	486,454	-	13,905	13,905
5/5/01	8.07	3.07	-	-	394,024	100,783	484,807	-	-	-
5/6/01	8.07	3.07	-	-	-	-	-	-	-	-
5/7/01	8.07	3.07	-	-	383,280	100,258	483,538	-	-	-
5/8/01	8.07	3.07	-	-	373,832	88,943	473,875	-	-	-
5/8/01	8.07	3.07	-	-	387,288	101,088	488,384	-	13,905	13,905
5/10/01	8.07	3.07	-	-	371,271	112,389	483,640	-	-	-
5/11/01	8.07	3.07	-	-	387,288	108,123	475,409	-	13,905	13,905
5/12/01	8.07	3.07	-	-	380,880	107,757	488,417	-	-	-
5/13/01	8.07	3.07	-	-	-	-	-	-	-	-
5/14/01	8.07	3.07	-	-	359,346	107,232	486,577	-	-	-
5/15/01	8.07	3.07	-	-	355,388	107,232	482,820	-	-	-
5/16/01	8.07	3.07	-	-	350,127	104,825	455,052	-	13,905	13,905
5/17/01	8.07	3.07	-	-	347,503	91,030	438,533	-	13,905	13,905
5/18/01	8.07	3.07	-	-	348,814	90,813	439,827	-	-	-
5/18/01	8.07	3.07	-	-	344,882	80,862	435,544	-	-	-
5/20/01	8.07	3.07	-	-	-	-	-	-	-	-
5/21/01	8.07	3.07	-	-	325,361	85,052	410,413	9,270	9,270	18,540
5/22/01	8.07	3.07	2.2	183,371	421,173	88,310	507,483	-	-	-
5/23/01	8.07	3.07	1.8	150,031	487,852	88,083	596,045	-	-	-
5/24/01	8.07	3.07	-	-	490,844	87,831	578,675	-	-	-
5/25/01	8.07	3.07	-	-	493,684	87,830	581,514	-	-	-
5/26/01	8.07	3.07	-	-	489,425	87,728	577,151	-	-	-
5/27/01	8.07	3.07	-	-	-	-	-	-	-	-
5/28/01	8.07	3.07	-	-	476,704	87,412	564,116	-	-	-
5/28/01	8.07	3.07	0.10	8,335	473,888	87,201	561,089	-	-	-
5/30/01	8.07	3.07	-	-	485,486	77,973	543,439	9,270	9,270	18,540
5/31/01	8.07	3.07	-	-	457,081	93,337	550,418	-	-	-
<b>TOTAL</b>	<b>250.17</b>	<b>95.17</b>	<b>5.4</b>	<b>450,093</b>	<b>457,081</b>	<b>93,337</b>	<b>550,418</b>	<b>18,540</b>	<b>101,970</b>	<b>120,510</b>

PREVIOUS GALLONS STORED	477,532	TREATMENT GAINED	120,510	GENERATED PER DAY	6,239
CURRENT GALLONS STORED	550,418	GENERATEI	72,886	GENERATEO PER ACRE/PER DA	560
GALLONS GAINED	72,886		193,396		

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
APRIL 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
4/1/01	8.08	3.07	-	-	-	-	-	-	-	-
4/2/01	8.08	3.07	-	-	302,241	104,139	406,380	23,175	-	23,175
4/3/01	8.08	3.07	-	-	289,540	103,772	393,312	18,540	-	18,540
4/4/01	8.08	3.07	-	-	363,311	94,982	458,293	-	9,270	9,270
4/5/01	8.08	3.07	-	-	444,573	86,257	530,830	-	9,270	9,270
4/6/01	8.08	3.07	-	-	448,733	77,815	526,548	-	9,270	9,270
4/7/01	8.08	3.07	-	-	445,958	77,238	523,196	-	-	-
4/8/01	8.08	3.07	-	-	-	-	-	-	-	-
4/8/01	8.08	3.07	-	-	441,804	76,347	518,151	-	-	-
4/10/01	8.08	3.07	-	-	438,280	74,584	512,864	-	9,270	9,270
4/11/01	8.08	3.07	-	-	441,804	86,363	528,167	-	9,270	9,270
4/12/01	8.08	3.07	-	-	429,398	93,442	522,840	-	9,270	9,270
4/13/01	8.08	3.07	-	-	422,541	107,022	529,563	-	-	-
4/14/01	8.08	3.07	-	-	414,347	106,813	521,160	-	-	-
4/15/01	8.08	3.07	-	-	-	-	-	-	-	-
4/16/01	8.08	3.07	-	-	414,347	106,655	521,002	-	-	-
4/17/01	8.08	3.07	-	-	411,624	106,551	518,175	-	-	-
4/18/01	8.08	3.07	-	-	406,190	105,859	512,049	-	-	-
4/18/01	8.08	3.07	-	-	407,547	86,640	494,187	-	9,270	9,270
4/20/01	8.08	3.07	-	-	400,773	96,430	497,203	-	-	-
4/21/01	8.08	3.07	-	-	399,421	87,464	486,885	-	9,270	9,270
4/22/01	8.08	3.07	-	-	-	-	-	-	-	-
4/23/01	8.08	3.07	-	-	404,834	87,150	491,984	-	-	-
4/24/01	8.08	3.07	-	-	400,773	89,823	490,596	-	13,905	13,905
4/25/01	8.08	3.07	-	-	387,301	91,188	478,489	-	13,905	13,905
4/26/01	8.08	3.07	-	-	387,301	87,874	475,175	-	13,905	13,905
4/27/01	8.08	3.07	-	-	381,941	85,690	467,631	-	13,905	13,905
4/28/01	8.08	3.07	-	-	379,287	96,595	475,882	-	-	-
4/29/01	8.08	3.07	-	-	-	-	-	-	-	-
4/30/01	8.08	3.07	-	-	381,941	95,591	477,532	-	13,905	13,905
<b>TOTAL</b>					<b>381,941</b>	<b>95,591</b>	<b>477,532</b>	<b>41,715</b>	<b>143,685</b>	<b>185,400</b>

PREVIOUS GALLONS STORED      439,367  
 CURRENT GALLONS STORED      477,532  
 GALLONS GAINED                      38,166

TREATMENT                      185,400  
 GAINED                              38,165  
 GENERATED                      223,565

GENERATED PER DAY                      7,462  
 GENERATED PER ACRE/PER DAY                      668

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
MARCH 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
3/1/01	8.08	3.07	-	-	283,228	102,408	385,636	-	-	-
3/2/01	8.08	3.07	-	-	274,435	102,093	376,528	-	-	-
3/3/01	8.08	3.07	-	-	281,969	101,674	383,643	-	-	-
3/4/01	8.08	3.07	1.4	118,891	-	-	-	-	-	-
3/5/01	8.08	3.07	-	-	339,654	102,985	442,639	-	-	-
3/8/01	8.08	3.07	-	-	327,951	103,162	431,113	-	-	-
3/7/01	8.08	3.07	-	-	322,776	102,513	425,289	-	-	-
3/8/01	8.08	3.07	-	-	318,905	102,041	420,946	-	-	-
3/9/01	8.08	3.07	-	-	329,247	102,566	431,813	-	-	-
3/10/01	8.08	3.07	-	-	330,544	102,093	432,637	-	-	-
3/11/01	8.08	3.07	-	-	-	-	-	-	-	-
3/12/01	8.08	3.07	-	-	331,842	102,460	434,302	-	-	-
3/13/01	8.08	3.07	-	-	333,142	102,880	436,022	-	-	-
3/14/01	8.08	3.07	0.4	33,340	334,442	102,198	436,640	-	-	-
3/15/01	8.08	3.07	-	-	347,508	102,358	449,866	-	-	-
3/16/01	8.08	3.07	-	-	340,960	102,513	443,473	-	-	-
3/17/01	8.08	3.07	-	-	339,654	102,199	441,853	-	-	-
3/18/01	8.08	3.07	-	-	-	-	-	-	-	-
3/18/01	8.08	3.07	0.2	18,870	355,388	103,038	458,426	-	-	-
3/20/01	8.08	3.07	0.3	25,005	330,544	102,918	433,462	23,175	-	23,175
3/21/01	8.08	3.07	-	-	308,830	102,480	411,310	23,175	-	23,175
3/22/01	8.08	3.07	-	-	276,942	101,831	378,773	23,175	-	23,175
3/23/01	8.08	3.07	-	-	258,999	101,728	358,725	23,175	-	23,175
3/24/01	8.08	3.07	-	-	227,578	100,940	328,518	23,175	-	23,175
3/25/01	8.08	3.07	-	-	-	-	-	-	-	-
3/28/01	8.08	3.07	-	-	203,512	101,831	305,343	23,175	-	23,175
3/27/01	8.08	3.07	-	-	160,075	100,888	260,963	23,175	-	23,175
3/28/01	8.08	3.07	-	-	162,387	101,044	263,431	-	-	-
3/29/01	8.08	3.07	0.8	68,680	130,383	102,093	232,468	23,175	-	23,175
3/30/01	8.08	3.07	4.2	350,072	337,048	105,397	442,443	23,175	-	23,175
3/31/01	8.08	3.07	-	-	334,442	104,925	439,367	-	-	-
<b>TOTAL</b>	<b>250.48</b>	<b>95.17</b>	<b>7.3</b>	<b>608,458</b>	<b>334,442</b>	<b>104,925</b>	<b>439,367</b>	<b>208,575</b>	<b>-</b>	<b>208,575</b>

PREVIOUS GALLONS STORED 385,873  
CURRENT GALLONS STORED 439,367  
GALLONS GAINED 73,494

TREATMENT 208,575  
GAINED 73,494  
GENERATED 282,069

GENERATED PER DAY 9,099  
GENERATED PER ACRE PER DAY 816

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
FEBRUARY 2001

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open areas and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
2/1/01	8.08	3.07	-	-	30,395	75,404	105,799	-	-	-
2/2/01	8.08	3.07	-	-	22,871	86,467	109,338	-	-	-
2/3/01	8.08	3.07	-	-	21,008	86,467	107,473	-	-	-
2/4/01	8.08	3.07	-	-	-	-	-	-	-	-
2/5/01	8.08	3.07	-	-	18,369	85,839	102,208	-	-	-
2/6/01	8.08	3.07	-	-	250,821	84,738	335,559	-	-	-
2/7/01	8.08	3.07	-	-	243,441	84,947	328,388	-	-	-
2/8/01	8.08	3.07	-	-	239,765	92,780	332,525	-	-	-
2/9/01	8.08	3.07	-	-	248,351	89,316	347,668	-	-	-
2/10/01	8.08	3.07	-	-	255,761	104,348	360,109	-	-	-
2/11/01	8.08	3.07	-	-	-	-	-	-	-	-
2/12/01	8.08	3.07	-	-	288,184	103,645	371,729	-	-	-
2/13/01	8.08	3.07	-	-	288,184	104,663	372,847	-	-	-
2/14/01	8.08	3.07	-	-	260,718	103,243	363,961	-	-	-
2/15/01	8.08	3.07	-	-	239,785	104,191	343,956	-	-	-
2/16/01	8.08	3.07	-	-	240,889	103,982	344,971	-	-	-
2/17/01	8.08	3.07	-	-	245,897	104,243	350,140	-	-	-
2/18/01	8.08	3.07	-	-	-	-	-	-	-	-
2/18/01	8.08	3.07	-	-	249,588	109,719	353,307	13,806	-	13,806
2/20/01	8.08	3.07	-	-	240,889	104,191	345,180	9,270	-	9,270
2/21/01	8.08	3.07	-	-	248,356	103,686	352,022	-	-	-
2/22/01	8.08	3.07	-	-	259,477	103,362	362,829	-	-	-
2/23/01	8.08	3.07	-	-	258,238	103,352	361,590	-	-	-
2/24/01	8.08	3.07	-	-	258,238	103,509	361,747	-	-	-
2/25/01	8.08	3.07	-	-	-	-	-	-	-	-
2/26/01	8.08	3.07	-	-	259,477	109,404	362,881	-	-	-
2/27/01	8.08	3.07	-	-	281,960	102,965	364,945	-	-	-
2/28/01	8.08	3.07	-	-	263,203	102,670	365,873	-	-	-
<b>TOTAL</b>					<b>263,203</b>	<b>102,670</b>	<b>365,873</b>	<b>23,175</b>	<b>-</b>	<b>23,175</b>

PREVIOUS GALLONS STORED 105,838  
 CURRENT GALLONS STORED 365,873  
 GALLONS GAINED 260,035

TREATMENT GAINED 23,175  
 GENERATED 260,035  
 GENERATED 283,210

GENERATED PER DAY 10,115  
 GENERATED PER ACRE/PER DAY 907

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
JANUARY 2001

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open acres and tanks)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
1/1/01	8.08	3.07	-	-	140,215	-	140,215	-	-	-
1/2/01	8.08	3.07	-	-	114,088	-	114,088	18,520	-	18,520
1/3/01	8.08	3.07	-	-	114,088	-	114,088	18,520	-	18,520
1/4/01	8.08	3.07	-	-	116,213	-	116,213	-	23,175	23,175
1/5/01	8.08	3.07	-	-	114,088	79,913	193,981	-	23,175	23,175
1/6/01	8.08	3.07	-	-	115,140	70,526	185,666	-	13,905	13,905
1/7/01	8.08	3.07	-	-	115,140	70,526	185,666	-	-	-
1/8/01	8.08	3.07	-	-	107,887	62,819	170,486	-	23,175	23,175
1/9/01	8.08	3.07	-	-	96,075	62,242	158,317	-	18,540	18,540
1/10/01	8.08	3.07	-	-	93,987	62,242	156,229	-	-	-
1/11/01	8.08	3.07	-	-	85,898	43,133	129,031	-	23,175	23,175
1/12/01	8.08	3.07	-	-	73,441	59,253	132,694	-	23,175	23,175
1/13/01	8.08	3.07	-	-	58,454	58,487	114,921	-	23,175	23,175
1/14/01	8.08	3.07	-	-	58,454	58,487	114,921	-	-	-
1/15/01	8.08	3.07	-	-	45,695	62,768	108,463	-	23,175	23,175
1/16/01	8.08	3.07	-	-	26,605	66,122	92,727	-	23,175	23,175
1/17/01	8.08	3.07	-	-	11,789	66,122	77,911	13,905	-	13,905
1/18/01	8.08	3.07	-	-	4,496	61,770	66,266	-	18,540	18,540
1/19/01	8.08	3.07	-	-	5,400	55,687	61,087	-	23,175	23,175
1/20/01	8.08	3.07	-	-	21,927	55,687	77,614	-	-	-
1/21/01	8.08	3.07	-	-	21,927	55,687	77,614	-	-	-
1/22/01	8.08	3.07	-	-	35,120	56,317	91,437	-	-	-
1/23/01	8.08	3.07	-	-	40,898	55,426	96,282	-	-	-
1/24/01	8.08	3.07	-	-	47,638	54,587	102,225	9,044	-	9,044
1/25/01	8.08	3.07	-	-	37,988	51,702	89,688	10,357	-	10,357
1/26/01	8.08	3.07	-	-	25,688	52,122	77,788	9,821	-	9,821
1/27/01	8.08	3.07	-	-	28,488	53,957	82,443	-	-	-
1/28/01	8.08	3.07	-	-	28,488	-	28,488	-	-	-
1/29/01	8.08	3.07	-	-	57,441	54,324	111,765	10,841	-	10,841
1/30/01	8.08	3.07	-	-	45,695	65,650	111,345	10,169	-	10,169
1/31/01	8.08	3.07	-	-	37,988	67,852	105,838	9,237	-	9,237
<b>TOTAL</b>					<b>37,988</b>	<b>67,852</b>	<b>105,838</b>	<b>110,414</b>	<b>259,560</b>	<b>369,974</b>

PREVIOUS GALLONS STORED  
CURRENT GALLONS STORED  
GALLONS LOST

140,215  
105,838  
34,377

TREATMENT  
LOST  
GENERATED

369,974  
34,377  
335,597

GENERATED PER DAY  
GENERATED PER ACRE/PER DAY

10,826  
971

\*\*\* Transmit Conf. Report \*\*\*

P.1

Oct 2 2001 7:43

Telephone Number	Mode	Start	Time	Pages	Result	Note
818637733907	NORMAL	2, 7:39	3'53"	3	OK	



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**3804 COCONUT PALM DRIVE**  
**TAMPA, FL 33619-8318**

*OK  
 10/1/01*

FAX

Date: 10/1/01  
 Number of pages including cover sheet: 3

TO: <u>JANICE Williamson</u>	FROM: <u>Fun Ford</u>
PHONE: <u>863 7735089</u>	PHONE: (813) 744-6100, <u>x382</u>
FAX #: <u>863 7733907</u>	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>SUGGESTED FORMATS</u>	
<u>FOR 2001</u>	



**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**3804 COCONUT PALM DRIVE**  
**TAMPA, FL 33619-8318**

OK  
10/1/01

**FAX**

Date: 10/1/01  
Number of pages including cover sheet: 3

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CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>SUGGESTED FORMS</u> <u>for 2001</u>	



HARDEE COUNTY SOLID WASTE DEPARTMENT  
LEACHATE BALANCE  
DECEMBER 2000

COLLECTED  
underdrains

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (Inches)	RAINFALL (gallons in tanks)	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
11/30/00								120,088		
12/1/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/2/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/3/00	8.5	3.5	-	-	-	-	-		-	
12/4/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/5/00	8.5	3.5	-	-	18,540	-	18,540		18,540	
12/6/00	8.5	3.5	-	-	-	-	-		-	
12/7/00	8.5	3.5	-	-	-	-	-		-	
12/8/00	8.5	3.5	-	-	4,635	-	4,635		4,635	
12/9/00	8.5	3.5	-	-	-	-	-		-	
12/10/00	8.5	3.5	-	-	-	-	-		-	
12/11/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/12/00	8.5	3.5	0.3	262	23,175	-	23,437		23,175	
12/13/00	8.5	3.5	-	-	18,540	-	18,540		18,540	
12/14/00	8.5	3.5	-	-	27,810	-	27,810		27,810	
12/15/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/16/00	8.5	3.5	-	-	-	-	-		-	
12/17/00	8.5	3.5	-	-	-	-	-		-	
12/18/00	8.5	3.5	-	-	-	-	-		-	
12/19/00	8.5	3.5	-	-	-	-	-		-	
12/20/00	8.5	3.5	0.2	175	-	-	175		-	
12/21/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/22/00	8.5	3.5	-	-	-	-	-		-	
12/23/00	8.5	3.5	-	-	-	-	-		-	
12/24/00	8.5	3.5	-	-	-	-	-		-	
12/25/00	8.5	3.5	-	-	-	-	-		-	
12/26/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/27/00	8.5	3.5	-	-	23,175	-	23,175		23,175	
12/28/00	8.5	3.5	1.0	875	-	-	875		-	
12/29/00	8.5	3.5	-	-	-	-	-		-	
12/30/00	8.5	3.5	-	-	-	-	-		-	
12/31/00								120,088		
TOTAL			1.5	1312	278,100	-	279,412		278,100	1312
NET DIFFERENCE								0		

PREVIOUS GALLONS STORED 464,318  
CURRENT GALLONS STORED 247,430  
GALLONS LOST 216,888  
TREATMENT 278,100

$279,412 \pm 0 - 278,100 = 1312$

Bermed Leachate Ditch across the center to prepare west side for disposal on 12/1/00  
\*Began pumping water from the west side of the Leachate Ditch to the east side on 12/14/00

IF GALLONS STORED IN TANKS INCREASES, THEN SUBTRACT NET DIFFERENCE  
IF GALLONS STORED IN TANK DECREASES, THEN ADD NET DIFFERENCE

HARDEE COUNTY SOLID WASTE DEPARTMENT  
ANNUAL LEACHATE BALANCE SUMMARY  
2000

MONTH	TOTAL RAINFALL INCHES	<del>TOTAL</del> <del>LEACHATE</del>	<del>NET DIFFERENCE</del> TOTAL GALLONS STORED TANKS	TOTAL GALLONS HAULED TO TREATMENT PLANT	<del>BALANCE</del>
Jan-00	1.1	104,528	968,626	-	-
Feb-00	-	-	833,528	-	-
Mar-00	1.2	114,030	637,365	64,890	-
Apr-00	-	-	306,952	315,180	-
May-00	0.3	28,508	161,427	134,415	-
Jun-00	4.8	627,165	190,778	143,685	-
Jul-00	6.6	627,165	409,109	203,940	-
Aug-00	6.9	655,673	504,592	222,480	-
Sep-00	13.7	1,301,843	869,739	231,750	-
Oct-00	-	-	700,820	259,560	-
Nov-00	1.5	142,538	464,318	148,320	-
Dec-00	1.5	142,538	247,430	278,100	-
YEAR END TOTAL	37.6	3,743,985	N/A	2,002,320	-

TOTAL ACRES DISPOSAL WITH INTERMEDIATE COVER 8.08  
 TOTAL ACRES DISPOSAL WITH DAILY COVER (OPEN) 2.35  
 TOTAL ACRES LEACHATE COLLECTION (DITCH AND TANKS) 0.72

FEB 02 2001  
 SOUTHWEST DISTRICT  
 TANKS

685 Airport Road  
Wauchula, FL 33873-8663  
(863) 773-5089  
FAX (863) 773-3907

.....

# Hardee County Solid Waste Department

January 30, 2001

Department of Environmental Protections  
Attention: Kim Ford  
3804 Coconut Palm Drive  
Tampa, FL 33619-8316

**D.E.P.**  
**FEB 02 2001**  
*Southwest District Tampa*

RE: Year 2000 Leachate Balances

Dear Mr. Ford:

Thank you for your patience in requesting the above information. I hope the information provided is adequate for your review. We can certainly modify any aspect of our report to fit your needs.

One factor that has had an effect on the Leachate Balances for January through June was the construction of the Southern barrier liner and the installation of the leachate storage tanks. Therefore, I was unable to calculate gallons generated per acre, per day for that time period. In addition, in December, we constructed a berm through the middle of the Leachate Storage ditch. In order to prepare the west end of the ditch for disposal of waste, all water from the west end was pumped into the east end and a new stage storage chart was calculated for the gallons store in the East end. Dry weather conditions have influenced the Balances as well.

As always, should you have any questions or comments please feel free to contact me.

Sincerely,



Janice Williamson,  
Solid Waste Superintendent

.....

2000

HARDEE COUNTY SOLID WASTE DEPARTMENT  
ANNUAL LEACHATE BALANCE SUMMARY  
2000

MONTH	TOTAL RAINFALL INCHES	TOTAL RAINFALL GALLONS OPEN ACREA TANKS & DITCH	TOTAL GALLONS STORED TANKS & DITCH	TOTAL GALLONS HAULED TO TREATMENT PLANT	OTHER
Jan-00	1.1	104,528	968,626	-	-
Feb-00	-	-	833,528	-	-
Mar-00	1.2	114,030	637,365	64,890	-
Apr-00	-	-	306,952	315,180	-
May-00	0.3	28,508	161,427	134,415	-
Jun-00	4.8	627,165	190,778	143,685	-
Jul-00	6.6	627,165	409,109	203,940	-
Aug-00	6.9	655,673	504,592	222,480	-
Sep-00	13.7	1,301,843	869,739	231,750	-
Oct-00	-	-	700,820	259,560	-
Nov-00	1.5	142,538	464,318	148,320	-
Dec-00	1.5	142,538	247,430	278,100	-
YEAR END TOTAL	37.6	3,743,985	N/A	2,002,320	-

TOTAL ACRES DISPOSAL WITH INTERMEDIATE COVER  
 TOTAL ACRES DISPOSAL WITH DAILY COVER (OPEN)  
 TOTAL ACRES LEACHATE COLLECTION (DITCH AND TANKS)

8.08  
 2.35  
 0.72

12 Acres  
 ≠ 11 acres?

FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION  
 FEB 02 2001  
 SOUTHWEST DISTRICT  
 TAMPA

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
NOVEMBER 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
11/1/00	8.5	3.5	-	-	495,881	120,088	615,969	-	-	-
11/2/00	8.5	3.5	-	-	471,637	120,088	591,725	-	-	-
11/3/00	8.5	3.5	-	-	447,394	120,088	567,482	-	-	-
11/4/00	8.5	3.5	-	-	439,313	120,088	559,401	-	-	-
11/5/00	8.5	3.5	-	-	439,313	120,088	559,401	-	-	-
11/6/00	8.5	3.5	-	-	463,556	120,088	583,644	-	-	-
11/7/00	8.5	3.5	-	-	425,171	120,088	545,259	-	-	-
11/8/00	8.5	3.5	-	-	431,232	120,088	551,320	-	-	-
11/9/00	8.5	3.5	-	-	437,293	120,088	557,381	-	-	-
11/10/00	8.5	3.5	-	-	445,374	120,088	565,462	-	-	-
11/11/00	8.5	3.5	-	-	441,333	120,088	561,421	-	-	-
11/12/00	8.5	3.5	-	-	441,333	120,088	561,421	-	-	-
11/13/00	8.5	3.5	-	-	445,374	120,088	565,462	-	-	-
11/14/00	8.5	3.5	-	-	405,229	120,088	525,317	-	-	-
11/15/00	8.5	3.5	-	-	396,754	120,088	516,842	-	-	-
11/16/00	8.5	3.5	-	-	345,924	120,088	466,012	-	-	-
11/17/00	8.5	3.5	-	-	366,257	120,088	486,345	23,175	-	23,175
11/18/00	8.5	3.5	0.1	9,503	339,146	120,088	459,234	23,175	-	23,175
11/19/00	8.5	3.5	-	-	339,146	120,088	459,234	-	-	-
11/20/00	8.5	3.5	-	-	357,785	120,088	477,873	18,540	-	18,540
11/21/00	8.5	3.5	-	-	335,757	120,088	455,845	23,175	-	23,175
11/22/00	8.5	3.5	-	-	327,285	120,088	447,373	23,175	-	23,175
11/23/00	8.5	3.5	-	-	327,285	120,088	447,373	-	-	-
11/24/00	8.5	3.5	-	-	328,980	120,088	449,068	-	-	-
11/25/00	8.5	3.5	-	-	328,980	120,088	449,068	-	-	-
11/26/00	8.5	3.5	1.4	133,035	328,980	120,088	449,068	-	-	-
11/27/00	8.5	3.5	-	-	379,813	120,088	499,901	18,540	-	18,540
11/28/00	8.5	3.5	-	-	342,535	120,088	462,623	18,540	-	18,540
11/29/00	8.5	3.5	-	-	342,535	120,088	462,623	-	-	-
11/30/00	8.5	3.5	-	-	344,230	120,088	464,318	-	-	-
TOTAL			1.5	142,538	344,230	120,088	464,318	148,320	-	148,320

PREVIOUS GALLONS STORED      700,820  
 CURRENT GALLONS STORED      464,318  
 GALLONS LOST                      236,502  
 TREATMENT                         148,320

SOUTHWEST DISTRICT  
TAMPA

FEB 02 2001

PROJECT STARTED BY  
ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
OCTOBER 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
10/1/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/2/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/3/00	8.5	3.5	-	-	817,561	52,178	869,739	18,540	-	18,540
10/4/00	8.5	3.5	-	-	817,561	52,178	869,739	9,270	-	9,270
10/5/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/6/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/7/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/8/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
10/9/00	8.5	3.5	-	-	817,561	119,091	936,652	-	23,175	23,175
10/10/00	8.5	3.5	-	-	803,875	91,508	895,383	-	27,810	27,810
10/11/00	8.5	3.5	-	-	797,033	91,508	888,541	-	-	-
10/12/00	8.5	3.5	-	-	794,752	91,508	886,260	-	27,810	27,810
10/13/00	8.5	3.5	-	-	792,471	120,088	912,559	-	-	-
10/14/00	8.5	3.5	-	-	774,223	120,088	894,311	-	-	-
10/15/00	8.5	3.5	-	-	774,223	120,088	894,311	23,175	-	23,175
10/16/00	8.5	3.5	-	-	760,537	120,088	880,625	4,635	-	4,635
10/17/00	8.5	3.5	-	-	744,570	120,088	864,658	-	-	-
10/18/00	8.5	3.5	-	-	728,604	120,088	848,692	13,905	-	13,905
10/19/00	8.5	3.5	-	-	714,918	120,088	835,006	23,175	-	23,175
10/20/00	8.5	3.5	-	-	701,232	120,088	821,320	-	-	-
10/21/00	8.5	3.5	-	-	696,670	120,088	816,758	-	-	-
10/22/00	8.5	3.5	-	-	696,670	120,088	816,758	-	-	-
10/23/00	8.5	3.5	-	-	682,985	120,088	803,073	-	-	-
10/24/00	8.5	3.5	-	-	667,018	120,088	787,106	-	-	-
10/25/00	8.5	3.5	-	-	646,489	120,088	766,577	23,175	-	23,175
10/26/00	8.5	3.5	-	-	628,242	120,088	748,330	9,270	-	9,270
10/27/00	8.5	3.5	-	-	602,956	120,088	723,044	18,540	-	18,540
10/28/00	8.5	3.5	-	-	606,996	120,088	727,084	23,175	-	23,175
10/29/00	8.5	3.5	-	-	606,996	120,088	727,084	-	-	-
10/30/00	8.5	3.5	-	-	580,732	120,088	700,820	-	-	-
10/31/00	8.5	3.5	-	-	540,327	120,088	660,415	13,905	-	13,905
TOTAL			-	-	580,732	120,088	700,820	180,765	78,795	259,560

PREVIOUS GALLONS STORED	869,739
CURRENT GALLONS STORED	700,820
GALLONS LOST	168,919
TREATMENT GALLONS LOST	259,560
TOTAL GALLONS GAINED	168,919
	90,641

TOTAL GALLONS COLLECTED PER ACRE PER DAY

835.40

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 FEB 02 2001  
 SOUTHWEST DISTRICT TAMPA

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
SEPTEMBER 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
9/1/00	8.5	3.5	-	-	427,191	77,401	504,592	-	-	-
9/2/00	8.5	3.5	-	-	427,191	77,401	504,592	-	-	-
9/3/00	8.5	3.5	-	-	427,191	77,401	504,592	-	-	-
9/4/00	8.5	3.5	0.5	47,513	447,394	77,401	524,795	-	-	-
9/5/00	8.5	3.5	-	-	457,495	77,401	534,896	-	-	-
9/6/00	8.5	3.5	0.8	76,020	457,495	77,401	534,896	-	-	-
9/7/00	8.5	3.5	1.5	142,538	530,225	77,401	607,626	13,905	-	13,905
9/8/00	8.5	3.5	-	-	505,982	77,401	583,383	23,175	-	23,175
9/9/00	8.5	3.5	-	-	487,800	77,401	565,201	-	-	-
9/10/00	8.5	3.5	-	-	487,800	77,401	565,201	-	-	-
9/11/00	8.5	3.5	-	-	473,658	77,401	551,059	-	-	-
9/12/00	8.5	3.5	-	-	457,495	77,401	534,896	-	-	-
9/13/00	8.5	3.5	-	-	443,353	100,212	543,565	-	13,905	13,905
9/14/00	8.5	3.5	-	-	443,353	100,212	543,565	-	-	-
9/15/00	8.5	3.5	-	-	443,353	72,210	515,563	-	27,810	27,810
9/16/00	8.5	3.5	-	-	443,353	72,210	515,563	-	-	-
9/17/00	8.5	3.5	-	-	443,353	72,210	515,563	-	-	-
9/18/00	8.5	3.5	4.8	456,120	682,985	72,210	755,195	-	-	-
9/19/00	8.5	3.5	-	-	641,927	65,287	707,214	-	23,175	23,175
9/20/00	8.5	3.5	-	-	598,915	99,478	698,393	-	18,540	18,540
9/21/00	8.5	3.5	-	-	558,509	99,478	657,987	-	-	-
9/22/00	8.5	3.5	-	-	538,307	136,396	674,703	-	18,540	18,540
9/23/00	8.5	3.5	-	-	497,901	136,396	634,297	-	-	-
9/24/00	8.5	3.5	-	-	497,901	136,396	634,297	-	-	-
9/25/00	8.5	3.5	5.0	475,125	794,752	109,757	904,509	-	27,810	27,810
9/26/00	8.5	3.5	-	-	794,752	109,757	904,509	-	-	-
9/27/00	8.5	3.5	-	-	771,942	89,620	861,562	-	23,175	23,175
9/28/00	8.5	3.5	1.1	104,528	840,371	79,866	920,237	-	13,905	13,905
9/29/00	8.5	3.5	-	-	828,966	52,178	881,144	-	27,810	27,810
9/30/00	8.5	3.5	-	-	817,561	52,178	869,739	-	-	-
<b>TOTAL</b>			13.7	1,301,843	817,561	52,178	869,739	37,080	194,670	231,750

PREVIOUS GALLONS STORED            504,592  
CURRENT GALLONS STORED        869,739  


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GALLONS GAINED                        365,147

TREATMENT                            231,750  
TOTAL GALLONS GAINED            365,147  


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TOTAL GALLONS COLLECTED        596,897

TOTAL GALLONS COLLECTED PER ACRE PER DAY

5,684.73

SOUTHWEST DISTRICT  
TALPA

FEB 02 2001

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 AUGUST 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
8/1/00	8.5	3.5	0.9	85,523	288,230	134,351	422,581	-	-	-
8/2/00	8.5	3.5	1.4	133,035	306,952	134,351	441,303	-	-	-
8/3/00	8.5	3.5	-	-	354,396	134,351	488,747	-	-	-
8/4/00	8.5	3.5	-	-	361,174	134,351	495,525	-	-	-
8/5/00	8.5	3.5	-	-	364,563	134,351	498,914	-	-	-
8/6/00	8.5	3.5	-	-	364,563	134,351	498,914	-	-	-
8/7/00	8.5	3.5	1.3	123,533	374,729	123,601	498,330	-	23,175	23,175
8/8/00	8.5	3.5	-	-	383,201	124,649	507,850	-	18,540	18,540
8/9/00	8.5	3.5	-	-	389,979	85,477	475,456	-	23,175	23,175
8/10/00	8.5	3.5	-	-	391,674	73,364	465,038	-	18,540	18,540
8/11/00	8.5	3.5	-	-	391,674	73,364	465,038	-	-	-
8/12/00	8.5	3.5	2.0	190,050	393,368	73,364	466,732	-	-	-
8/13/00	8.5	3.5	-	-	393,368	73,364	466,732	-	-	-
8/14/00	8.5	3.5	0.8	76,020	510,023	73,364	583,387	-	-	-
8/15/00	8.5	3.5	-	-	512,043	100,684	612,727	-	23,175	23,175
8/16/00	8.5	3.5	-	-	497,901	91,717	589,618	-	9,270	9,270
8/17/00	8.5	3.5	-	-	487,800	91,717	579,517	-	-	-
8/18/00	8.5	3.5	-	-	479,718	71,371	551,089	-	23,175	23,175
8/19/00	8.5	3.5	-	-	477,698	71,371	549,069	-	-	-
8/20/00	8.5	3.5	-	-	477,698	71,371	549,069	-	-	-
8/21/00	8.5	3.5	-	-	473,658	71,371	545,029	-	-	-
8/22/00	8.5	3.5	-	-	467,597	58,104	525,701	-	13,905	13,905
8/23/00	8.5	3.5	-	-	459,516	58,732	518,248	-	13,905	13,905
8/24/00	8.5	3.5	-	-	453,455	58,732	512,187	-	23,175	23,175
8/25/00	8.5	3.5	-	-	449,414	58,732	508,146	-	-	-
8/26/00	8.5	3.5	-	-	449,414	58,732	508,146	-	-	-
8/27/00	8.5	3.5	-	-	449,414	58,732	508,146	-	-	-
8/28/00	8.5	3.5	-	-	429,211	75,356	504,567	-	27,810	27,810
8/29/00	8.5	3.5	-	-	429,211	77,401	506,612	-	4,635	4,635
8/30/00	8.5	3.5	-	-	427,191	77,401	504,592	-	-	-
8/31/00	8.5	3.5	0.5	47,513	427,191	77,401	504,592	-	-	-
TOTAL			6.9	655,673	427,191	77,401	504,592	-	222,480	222,480

PREVIOUS GALLONS STORED	409,109
CURRENT GALLONS STORED	504,592
GALLONS GAINED	95,483
TREATMENT	222,480
GALLONS GAINED	95,483
TOTAL GALLONS COLLECTED	317,963

TOTAL GALLONS COLLECTED PER ACRE PER DAY 2,930.53

SOUTHWEST DISTRICT  
TAMPA

FEB 02 2001

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 JULY 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
7/1/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/2/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/3/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/4/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/5/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/6/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/7/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/8/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
7/9/00	8.5	3.5	0.80	76,020	192,904	33,457	226,361	-	-	-
7/10/00	8.5	3.5	-	-	192,904	71,056	263,960	-	23,175	23,175
7/11/00	8.5	3.5	-	-	192,904	55,848	248,752	-	23,175	23,175
7/12/00	8.5	3.5	-	-	192,904	61,669	254,573	-	9,270	9,270
7/13/00	8.5	3.5	-	-	192,904	48,087	240,991	-	23,175	23,175
7/14/00	8.5	3.5	0.60	57,015	192,904	45,412	238,316	-	18,540	18,540
7/15/00	8.5	3.5	-	-	216,170	45,412	261,582	-	-	-
7/16/00	8.5	3.5	-	-	216,170	45,412	261,582	-	-	-
7/17/00	8.5	3.5	-	-	254,425	45,412	299,837	-	-	-
7/18/00	8.5	3.5	-	-	240,805	60,987	301,792	-	23,175	23,175
7/19/00	8.5	3.5	-	-	227,119	44,783	271,902	-	13,905	13,905
7/20/00	8.5	3.5	1.30	123,533	214,802	47,563	262,365	-	13,905	13,905
7/21/00	8.5	3.5	-	-	227,119	47,563	274,682	-	-	-
7/22/00	8.5	3.5	3.1	294,578	247,647	47,563	295,210	-	-	-
7/23/00	8.5	3.5	-	-	247,647	47,563	295,210	-	-	-
7/24/00	8.5	3.5	-	-	554,469	65,025	619,494	-	13,905	13,905
7/25/00	8.5	3.5	-	-	518,104	68,748	586,852	-	18,540	18,540
7/26/00	8.5	3.5	0.8	76,020	322,202	68,748	390,950	-	-	-
7/27/00	8.5	3.5	-	-	318,813	68,748	387,561	-	-	-
7/28/00	8.5	3.5	-	-	293,397	134,351	427,748	-	23,175	23,175
7/29/00	8.5	3.5	-	-	279,841	134,351	414,192	-	-	-
7/30/00	8.5	3.5	-	-	279,841	134,351	414,192	-	-	-
7/31/00	8.5	3.5	-	-	274,758	134,351	409,109	-	-	-
TOTAL			6.60	627,165	274,758	134,351	409,109	-	203,940	203,940

PREVIOUS GALLONS STORED 190,778  
 CURRENT GALLONS STORED 409,109  
 GALLONS GAINED 218,331

TREATMENT 203,940  
 GALLONS GAINED 218,331  
 TOTAL GALLONS GAINED 422,271

GALLONS COLLECTED PER ACRE PER DAY 3,891.90

SOUTHWEST DISTRICT  
 TAMPA

FEB 02 2001

FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
JUNE 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
6/1/00	8.5	3.5	-	-	124,475	42,634	167,109		18,540	18,540
6/2/00	8.5	3.5	-	-	116,264	22,916	139,180		23,175	23,175
6/3/00	8.5	3.5	-	-	110,790	22,916	133,706	-	-	-
6/4/00	8.5	3.5	-	-	110,790	22,916	133,706	-	-	-
6/5/00	8.5	3.5	-	-	106,358	25,958	132,316		4,635	4,635
6/6/00	8.5	3.5	-	-	100,819	39,068	139,887		13,905	13,905
6/7/00	8.5	3.5	-	-	95,279	44,102	139,381		13,905	13,905
6/8/00	8.5	3.5	-	-	91,956	44,207	136,163		13,905	13,905
6/9/00	8.5	3.5	-	-	88,632	44,207	132,839		-	-
6/10/00	8.5	3.5	-	-	88,632	44,207	132,839	-	-	-
6/11/00	8.5	3.5	-	-	88,632	44,207	132,839	-	-	-
6/12/00	8.5	3.5	-	-	88,632	44,207	132,839	-	-	-
6/13/00	8.5	3.5	-	-	88,632	27,636	116,268		13,905	13,905
6/14/00	8.5	3.5	-	-	88,632	28,055	116,687		13,905	13,905
6/15/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/16/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/17/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/18/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/19/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/20/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/21/00	8.5	3.5	-	-	88,632	28,055	116,687	-	-	-
6/22/00	8.5	3.5	0.2	19,005	88,632	45,570	134,202		13,905	13,905
6/23/00	8.5	3.5	-	-	88,632	33,457	122,089		13,905	13,905
6/24/00	8.5	3.5	1.3	123,533	94,171	33,457	127,628	-	-	-
6/25/00	8.5	3.5	2.0	190,050	110,790	33,457	144,247	-	-	-
6/26/00	8.5	3.5	-	-	110,790	33,457	144,247	-	-	-
6/27/00	8.5	3.5	0.3	28,508	124,475	33,457	157,932	-	-	-
6/28/00	8.5	3.5	1.0	95,025	136,793	33,457	170,250	-	-	-
6/29/00	8.5	3.5	-	-	146,373	33,457	179,830	-	-	-
6/30/00	8.5	3.5	-	-	157,321	33,457	190,778	-	-	-
TOTAL			4.80	456,120	157,321	33,457	190,778	-	143,685	143,685

PREVIOUS GALLONS STORED 161,427  
CURRENT GALLONS STORED 190,778  
GALLONS GAINED 29,351

TREATMENT 143,685  
GALLONS GAINED 29,351  
TOTAL GALLONS COLLECTED 173,036

GALLONS COLLECTED PER ACRE PER DAY 1,647.96

SOUTHWEST DISTRICT  
TAMPA  
FEB 02 2001  
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 MAY 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
5/1/00	8.5	3.5	-	-	301,869	-	301,869	18,540	-	18,540
5/2/00	8.5	3.5	-	-	296,786	-	296,786	9,270	-	9,270
5/3/00	8.5	3.5	-	-	290,008	-	290,008	-	-	-
5/4/00	8.5	3.5	-	-	283,230	-	283,230	-	-	-
5/5/00	8.5	3.5	-	-	276,452	-	276,452	-	-	-
5/6/00	8.5	3.5	-	-	261,203	-	261,203	-	-	-
5/7/00	8.5	3.5	-	-	-	-	-	-	-	-
5/8/00	8.5	3.5	-	-	240,805	-	240,805	23,175	-	23,175
5/9/00	8.5	3.5	-	-	225,750	-	225,750	23,175	-	23,175
5/10/00	8.5	3.5	-	-	209,327	-	209,327	-	-	-
5/11/00	8.5	3.5	-	-	192,904	-	192,904	18,540	-	18,540
5/12/00	8.5	3.5	-	-	181,956	-	181,956	4,635	-	4,635
5/13/00	8.5	3.5	-	-	175,113	-	175,113	-	-	-
5/14/00	8.5	3.5	-	-	-	-	-	-	-	-
5/15/00	8.5	3.5	-	-	175,113	-	175,113	13,905	-	13,905
5/16/00	8.5	3.5	0.3	28,508	175,113	-	175,113	-	-	-
5/17/00	8.5	3.5	-	-	175,113	-	175,113	-	-	-
5/18/00	8.5	3.5	-	-	175,113	-	175,113	-	-	-
5/19/00	8.5	3.5	-	-	173,744	-	173,744	-	-	-
5/20/00	8.5	3.5	-	-	173,744	-	173,744	-	-	-
5/21/00	8.5	3.5	-	-	-	-	-	-	-	-
5/22/00	8.5	3.5	-	-	172	-	172	-	-	-
5/23/00	8.5	3.5	-	-	171,007	-	171,007	-	-	-
5/24/00	8.5	3.5	-	-	171,007	-	171,007	-	-	-
5/25/00	8.5	3.5	-	-	172,376	-	172,376	-	-	-
5/26/00	8.5	3.5	-	-	173,744	-	173,744	-	-	-
5/27/00	8.5	3.5	-	-	169,638	-	169,638	-	-	-
5/28/00	8.5	3.5	-	-	-	-	-	-	-	-
5/29/00	8.5	3.5	-	-	168,270	-	168,270	-	-	-
5/30/00	8.5	3.5	-	-	166,901	-	166,901	-	-	-
5/31/00	8.5	3.5	-	-	161,427	-	161,427	23,175	-	23,175
TOTAL			0.3	28,508	161,427	-	161,427	134,415	-	134,415

PREVIOUS GALLONS STORED 306,952  
 CURRENT GALLONS STORED 161,427  
 GALLONS LOST 145,525  
 TREATMENT 134,415

REGIONAL DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION  
 FEB 02 2001  
 SOUTHWEST DISTRICT  
 TAMPA

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
APRIL 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
4/1/00	8.5	3.5	-	-	625,961	-	625,961	-	-	-
4/2/00	8.5	3.5	-	-	-	-	-	-	-	-
4/3/00	8.5	3.5	-	-	604,976	-	604,976	13,905	-	13,905
4/4/00	8.5	3.5	-	-	590,834	-	590,834	23,175	-	23,175
4/5/00	8.5	3.5	-	-	574,672	-	574,672	18,540	-	18,540
4/6/00	8.5	3.5	-	-	554,469	-	554,469	9,270	-	9,270
4/7/00	8.5	3.5	-	-	540,327	-	540,327	23,175	-	23,175
4/8/00	8.5	3.5	-	-	526,185	-	526,185	-	-	-
4/9/00	8.5	3.5	-	-	-	-	-	-	-	-
4/10/00	8.5	3.5	-	-	497,901	-	497,901	13,905	-	13,905
4/11/00	8.5	3.5	-	-	473,658	-	473,658	23,175	-	23,175
4/12/00	8.5	3.5	-	-	473,658	-	473,658	-	-	-
4/13/00	8.5	3.5	-	-	459,516	-	459,516	13,905	-	13,905
4/14/00	8.5	3.5	-	-	449,414	-	449,414	23,175	-	23,175
4/15/00	8.5	3.5	-	-	437,293	-	437,293	-	-	-
4/16/00	8.5	3.5	-	-	-	-	-	-	-	-
4/17/00	8.5	3.5	-	-	413,701	-	413,701	23,175	-	23,175
4/18/00	8.5	3.5	-	-	400,146	-	400,146	23,175	-	23,175
4/19/00	8.5	3.5	-	-	388,285	-	388,285	23,175	-	23,175
4/20/00	8.5	3.5	-	-	388,285	-	388,285	13,905	-	13,905
4/21/00	8.5	3.5	-	-	383,201	-	383,201	-	-	-
4/22/00	8.5	3.5	-	-	371,340	-	371,340	-	-	-
4/23/00	8.5	3.5	-	-	-	-	-	-	-	-
4/24/00	8.5	3.5	-	-	344,230	-	344,230	23,175	-	23,175
4/25/00	8.5	3.5	-	-	328,980	-	328,980	23,175	-	23,175
4/26/00	8.5	3.5	-	-	325,591	-	325,591	-	-	-
4/27/00	8.5	3.5	-	-	322,202	-	322,202	-	-	-
4/28/00	8.5	3.5	-	-	315,424	-	315,424	23,175	-	23,175
4/29/00	8.5	3.5	-	-	306,952	-	306,952	-	-	-
4/30/00	8.5	3.5	-	-	-	-	-	-	-	-
TOTAL			-	-	306,952		306,952	315,180	-	315,180

PREVIOUS GALLONS STORED      637,365  
 CURRENT GALLONS STORED      306,952  
 GALLONS LOST                      330,413  
  
 TREATMENT                              315,180

SOUTHWEST DISTRICT  
TAMPA  
**FEB 02 2001**  
 FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
MARCH 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
3/1/00	8.5	3.5	-	-		-	-	-	-	-
3/2/00	8.5	3.5	-	-	822,123	-	822,123	-	-	-
3/3/00	8.5	3.5	-	-	815,280	-	815,280	-	-	-
3/4/00	8.5	3.5	-	-	806,156	-	806,156	-	-	-
3/5/00	8.5	3.5	-	-		-	-	-	-	-
3/6/00	8.5	3.5	-	-	790,190	-	790,190	-	-	-
3/7/00	8.5	3.5	-	-	790,190	-	790,190	-	-	-
3/8/00	8.5	3.5	-	-	790,190	-	790,190	-	-	-
3/9/00	8.5	3.5	-	-	790,190	-	790,190	-	-	-
3/10/00	8.5	3.5	-	-	787,909	-	787,909	-	-	-
3/11/00	8.5	3.5	-	-	783,347	-	783,347	-	-	-
3/12/00	8.5	3.5	-	-		-	-	-	-	-
3/13/00	8.5	3.5	-	-	774,223	-	774,223	-	-	-
3/14/00	8.5	3.5	-	-	767,380	-	767,380	-	-	-
3/15/00	8.5	3.5	-	-	760,537	-	760,537	-	-	-
3/16/00	8.5	3.5	-	-	753,694	-	753,694	-	-	-
3/17/00	8.5	3.5	-	-	744,570	-	744,570	-	-	-
3/18/00	8.5	3.5	-	-	740,009	-	740,009	-	-	-
3/19/00	8.5	3.5	-	-		-	-	-	-	-
3/20/00	8.5	3.5	-	-	730,885	-	730,885	-	-	-
3/21/00	8.5	3.5	-	-	724,042	-	724,042	-	-	-
3/22/00	8.5	3.5	-	-	712,637	-	712,637	-	-	-
3/23/00	8.5	3.5	-	-	689,827	-	689,827	-	-	-
3/24/00	8.5	3.5	-	-	637,365	-	637,365	-	-	-
3/25/00	8.5	3.5	-	-	632,803	-	632,803	-	-	-
3/26/00	8.5	3.5	-	-		-	-	-	-	-
3/27/00	8.5	3.5	1.2	114,030	630,523	-	630,523	9,270	-	9,270
3/28/00	8.5	3.5	-	-	664,737	-	664,737	13,905	-	13,905
3/29/00	8.5	3.5	-	-	660,175	-	660,175	23,175	-	23,175
3/30/00	8.5	3.5	-	-	648,770	-	648,770	-	-	-
3/31/00	8.5	3.5	-	-	637,365	-	637,365	18,540	-	18,540
TOTAL			1.2	114,030	637,365	-	637,365	64,890	-	64,890

PREVIOUS GALLONS STORED            833,528  
 CURRENT GALLONS STORED        637,365  
 GALLONS LOST                         196,163

TREATMENT                            64,890

SOUTHWEST DISTRICT  
TAMPA

FEB 02 2001

ENVIRONMENTAL PROTECTION  
DEPARTMENT OF

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY LEACHATE BALANCE  
FEBRUARY 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
2/1/00	8.5	3.5	-	-	947,511	-	947,511	-	-	-
2/2/00	8.5	3.5	-	-	952,790	-	952,790	-	-	-
2/3/00	8.5	3.5	-	-	958,069	-	958,069	-	-	-
2/4/00	8.5	3.5	-	-	952,790	-	952,790	-	-	-
2/5/00	8.5	3.5	-	-	955,429	-	955,429	-	-	-
2/6/00	8.5	3.5	-	-						
2/7/00	8.5	3.5	-	-	939,593	-	939,593	-	-	-
2/8/00	8.5	3.5	-	-	936,953	-	936,953	-	-	-
2/9/00	8.5	3.5	-	-	929,035	-	929,035	-	-	-
2/10/00	8.5	3.5	-	-	921,117	-	921,117	-	-	-
2/11/00	8.5	3.5	-	-	913,199	-	913,199	-	-	-
2/12/00	8.5	3.5	-	-	905,281	-	905,281	-	-	-
2/13/00	8.5	3.5	-	-						
2/14/00	8.5	3.5	-	-	907,920	-	907,920	-	-	-
2/15/00	8.5	3.5	-	-	900,002	-	900,002	-	-	-
2/16/00	8.5	3.5	-	-	892,084	-	892,084	-	-	-
2/17/00	8.5	3.5	-	-	881,526	-	881,526	-	-	-
2/18/00	8.5	3.5	-	-	881,526	-	881,526	-	-	-
2/19/00	8.5	3.5	-	-	881,526	-	881,526	-	-	-
2/20/00	8.5	3.5	-	-						
2/21/00	8.5	3.5	-	-	873,608	-	873,608	-	-	-
2/22/00	8.5	3.5	-	-	865,690	-	865,690	-	-	-
2/23/00	8.5	3.5	-	-	857,771	-	857,771	-	-	-
2/24/00	8.5	3.5	-	-	849,853	-	849,853	-	-	-
2/25/00	8.5	3.5	-	-	847,214	-	847,214	-	-	-
2/26/00	8.5	3.5	-	-	842,652	-	842,652	-	-	-
2/27/00	8.5	3.5	-	-						
2/28/00	8.5	3.5	-	-	838,090	-	838,090	-	-	-
2/29/00	8.5	3.5	-	-	833,528	-	833,528	-	-	-
TOTAL			-	-	833,528	-	833,528	-	-	-

PREVIOUS GALLONS STORED           968,626  
CURRENT GALLONS STORED       833,528  

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GALLONS LOST                       135,098

TREATMENT                           0

SOUTH WEST DISTRICT  
TAMPA  
FEB 02 2001  
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

HARDEE COUNTY SOLID WASTE DEPARTMENT  
 DAILY LEACHATE BALANCE  
 JANUARY 2000

DATE	LANDFILL AREA (intermediate cover)	LANDFILL AREA (open acres and tanks)	RAINFALL (inches)	RAINFALL (gallons in open acres and tanks)	GALLONS STORED IN DITCH	GALLONS STORED IN TANKS	TOTAL GALLONS STORED	LEACHATE PUMPED (from ditch)	LEACHATE PUMPED (from tanks)	TOTAL LEACHATE HAULED TO TREATMENT
1/1/00	8.5	3.5	0	0		0		0	0	0
1/2/00	8.5	3.5	0	0		0		0	0	0
1/3/00	8.5	3.5	0	0	1,039,890	0	1,039,890	0	0	0
1/4/00	8.5	3.5	0	0	1,047,808	0	1,047,808	0	0	0
1/5/00	8.5	3.5	0	0	1,021,414	0	1,021,414	0	0	0
1/6/00	8.5	3.5	0	0	1,016,135	0	1,016,135	0	0	0
1/7/00	8.5	3.5	0	0	1,021,414	0	1,021,414	0	0	0
1/8/00	8.5	3.5	0	0	1,024,054	0	1,024,054	0	0	0
1/9/00	8.5	3.5	0	0	1,024,054	0	1,024,054	0	0	0
1/10/00	8.5	3.5	0	0	1,010,857	0	1,010,857	0	0	0
1/11/00	8.5	3.5	0	0	1,018,775	0	1,018,775	0	0	0
1/12/00	8.5	3.5	0	0	1,037,251	0	1,037,251	0	0	0
1/13/00	8.5	3.5	0	0	1,031,972	0	1,031,972	0	0	0
1/14/00	8.5	3.5	0	0	1,029,332	0	1,029,332	0	0	0
1/15/00	8.5	3.5	0	0	1,024,054	0	1,024,054	0	0	0
1/16/00	8.5	3.5	0	0	1,024,054	0	1,024,054	0	0	0
1/17/00	8.5	3.5	0	0	987,102	0	987,102	0	0	0
1/18/00	8.5	3.5	0	0	1,005,578	0	1,005,578	0	0	0
1/19/00	8.5	3.5	0	0	1,016,135	0	1,016,135	0	0	0
1/20/00	8.5	3.5	0	0	1,008,217	0	1,008,217	0	0	0
1/21/00	8.5	3.5	0	0	997,660	0	997,660	0	0	0
1/22/00	8.5	3.5	0	0	987,102	0	987,102	0	0	0
1/23/00	8.5	3.5	0	0	987,102	0	987,102	0	0	0
1/24/00	8.5	3.5	1.1	104,528	1,016,135	0	1,016,135	0	0	0
1/25/00	8.5	3.5	0	0	997,660	0	997,660	0	0	0
1/26/00	8.5	3.5	0	0	979,184	0	979,184	0	0	0
1/27/00	8.5	3.5	0	0	960,708	0	960,708	0	0	0
1/28/00	8.5	3.5	0	0	995,020	0	995,020	0	0	0
1/29/00	8.5	3.5	0	0	989,747	0	989,747	0	0	0
1/30/00	8.5	3.5	0	0	968,626	0	968,626	0	0	0
1/31/00	8.5	3.5	0	0		0		0	0	0
TOTAL			1.1	104,528	968,626	0	968,626	0	0	0

PREVIOUS GALLONS STORED 1,071,563  
 CURRENT GALLONS STORED 968,626  
 GALLONS LOST 102,937  
 TREATMENT 0

SOUTHWEST DISTRICT  
 TAMPA  
 FEB 02 / 00  
 FLORIDA DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

\*\*\* Transmit Conf. Report \*\*\*

P.1

Nov 15 2000 10:34

Telephone Number	Mode	Start	Time	Pages	Result	Note
818637733907	NORMAL	15,10:28	6'06"	4	OK	

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	3804 Coconut Palm Drive Tampa, FL 33619-8318
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FAX

Date: 11/15/00  
 Number of pages including cover sheet: 4

To: JANE WILLIAMSON  
HARVEY CANNON  
 Phone: 863 773 5089  
 Fax phone: 863 773 3907  
 CC: \_\_\_\_\_

From: Ann Form  
 Phone: (813) 744-6100 x382  
 Fax phone: (813) 744-6125

REMARKS:  Urgent  For your review  Reply ASAP  Please comment

(TIME FOR A NEW FACILITY REPORTS)  
HERE'S AN EXAMPLE  
IS THERE ANY WAY TO  
COMPLETE MOST OF 2000  
SINCE USING TANKS ?  
 TAXI



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 Coonunahalm Drive Tampa, FL 33619-8318

FAX

Date: 11/15/00

Number of pages including cover sheet: 4

To: James Williamson

Harold Conroy

Phone: 863 7735080

Fax phone: 863 7737907

CC:

From: Jim Ford

Phone: (813) 744-6100 x382

Fax phone: (813) 744-6125

REMARKS:  Urgent  For your review  Reply ASAP  Please comment

(TIME FOR NEW  
CACHARE REPORTS  
NEEDS AN EXAMPLE  
IS THERE ANY WAY TO  
COMPLETE MOST OF 2000  
SINCE USING TANKS ?  
TAX  
Jim

CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
SARASOTA COUNTY  
2000 ANNUAL SUMMARY

MONTHLY PRECIPITATION DATA AND LEACHATE BALANCE

MONTH	LANDFILL AREA (acres)	LANDFILL RAINFALL <sup>1</sup> (inches)	RAINFALL IN STORAGE TANK <sup>2</sup> (gallons)	LEACHATE PUMPED <sup>3</sup> CELL 1 (gallons)	LEACHATE PUMPED <sup>3</sup> CELL 2 (gallons)	TOTAL LEACHATE <sup>4</sup> (gallons)	LEACHATE REMOVED <sup>5</sup> (gallons)	LEACHATE BALANCE <sup>6</sup> (gallons)	CUMULATIVE STORAGE <sup>7</sup> (gallons)
January	21.00	1.40	11,585	40,400	174,460	226,445	324,300	-97,855	493,561
February	21.00	0.40	3,310	33,410	67,500	104,220	470,300	-366,080	116,130
March	21.00	0.90	7,447	28,610	150,320	186,377	25,100	161,277	261,297
April	24.00	2.45	20,273	35,900	255,180	311,353	79,500	231,853	479,032
May	24.00	0.05	414	31,100	122,130	153,230	492,100	-338,870	145,165
June	24.00	8.88	73,480	119,800	1,745,170	1,938,450	1,825,000	113,450	261,297
July						0		0	
August						0		0	
September						0		0	
October						0		0	
November						0		0	
December						0		0	
Total	-	14.08	116,509	289,220	2,514,760	2,920,075	3,216,300	-296,225	
Average	-	2.35	19,418	48,203	419,127	243,340	536,050	-24,685	292,747

Notes:

1. Total monthly precipitation recorded at the CCSWDC.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the number of tanker trucks and their capacity.
6. Total leachate added to the storage tank minus the quantity hauled during the month (monthly increase or decrease).
7. Cumulative storage read at the tank gauge at the end of each month

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 11/15/00

**CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
SARASOTA COUNTY**

Jun-00

**DAILY PRECIPITATION DATA AND LEACHATE BALANCE**

	LANDFILL	LANDFILL	RAINFALL IN	LEACHATE	LEACHATE	TOTAL	LEACHATE	LEACHATE	LEACHATE	CUMULATIVE
				CELL 1	CELL 2					
DATE	AREA	RAINFALL <sup>1</sup>	STORAGE TANK <sup>2</sup>	PUMPED <sup>3</sup>	PUMPED <sup>3</sup>	LEACHATE <sup>4</sup>	REMOVED <sup>5</sup>	REUSE <sup>8</sup>	BALANCE <sup>6</sup>	STORAGE <sup>7</sup>
	(acres)	(inches)	(gallons)	(gallons)	(gallons)	(gallons)	(gallons)		(gallons)	(gallons)
1	24.00	0.00	0.00	1,100	2,050	3,150	0	0.00	3,150	145,163
2	24.00	0.00	0.00	560	2,700	3,260	0	0.00	3,260	145,163
3	24.00	0.00	0.00	1,130	2,000	3,130	0	0.00	3,130	145,163
4	24.00	0.00	0.00	0	0	0	0	0.00	0	145,163
5	24.00	0.00	0.00	1,680	4,010	5,690	0	0.00	5,690	145,163
6	24.00	0.00	0.00	1,080	2,000	3,080	0	0.00	3,080	159,679
7	24.00	0.00	0.00	550	2,010	2,560	0	0.00	2,560	159,679
8	24.00	3.63	30,037.34	1,110	1,990	33,137	0	0.00	33,137	159,679
9	24.00	0.00	0.00	2,810	142,230	145,040	20,700	0.00	124,340	304,841
10	24.00	0.00	0.00	3,940	62,360	66,300	5,000	0.00	61,300	362,906
11	24.00	0.19	1,572.20	0	0	1,572	0	0.00	1,572	362,906
12	24.00	0.23	1,903.19	4,840	101,990	108,733	20,400	0.00	88,333	450,004
13	24.00	0.21	1,737.70	1,900	35,350	38,988	31,300	0.00	7,688	464,520
14	24.00	1.32	10,922.67	1,110	61,690	73,723	52,100	0.00	21,623	464,520
15	24.00	0.03	248.24	11,600	139,600	151,448	70,400	0.00	81,048	566,134
16	24.00	0.27	2,234.18	8,030	158,440	168,704	46,200	0.00	122,504	696,780
17	24.00	1.37	11,336.41	4,320	107,700	123,356	29,600	0.00	93,756	769,361
18	24.00	0.20	1,654.95	0	0	1,655	0	0.00	1,655	769,361
19	24.00	0.97	8,026.51	18,850	332,590	359,467	30,600	0.00	328,867	1,059,686
20	24.00	0.00	0.00	930	128,850	129,780	50,900	0.00	78,880	1,190,333
21	24.00	0.00	0.00	9,040	155,970	165,010	98,400	0.00	66,610	1,248,398
22	24.00	0.09	744.73	10,780	18,160	29,685	175,800	0.00	-146,115	1,190,333
23	24.00	0.01	82.75	13,110	145,730	158,923	254,100	0.00	-95,177	1,074,203
24	24.00	0.00	0.00	3,710	27,740	31,450	231,200	0.00	-199,750	827,426
25	24.00	0.00	0.00	0	0	0	0	0.00	0	827,426
26	24.00	0.18	1,489.46	0	41,010	42,499	122,600	0.00	-80,101	740,329
27	24.00	0.17	1,406.71	0	17,480	18,887	149,900	0.00	-131,013	624,199
28	24.00	0.00	0.00	11,090	17,440	28,530	217,000	0.00	-188,470	435,488
29	24.00	0.01	82.75	3,490	13,510	17,083	126,300	0.00	-109,217	333,874
30	24.00	0.00	0.00	3,040	20,570	23,610	92,500	0.00	-68,890	261,293
31	24.00	0.00	0.00	0	0	0	0	0.00	0	261,297
TOTAL	-	8.88	73,479.78	119,800	1,745,170	1,938,450	1,825,000	0.00	113,450	
AVERAGE	24.00	0.30	-	3,993	58,172	64,615	60,833		3,782	540,972

Notes:

1. Precipitation recorded at the CCSWDC weather station.
2. Rainfall falling into the leachate storage tank (13,275 square feet area) which is classified as leachate.
3. Based on flowmeter data, the amount of leachate pumped from the Class I landfill area to the storage tank - Also see table titled Leachate Balance For Each Cell.
4. Sum of rainfall into the storage tank and the leachate pumped from the Class I landfill.
5. Quantity of leachate hauled away based on the flowmeter at the leachate storage tank plus what is used for reuse.
6. Total leachate added to the storage tank minus the quantity hauled during a day (daily increase or decrease).
7. Quantity of leachate stored in the tank.
8. Leachate reused for dust control in landfill.

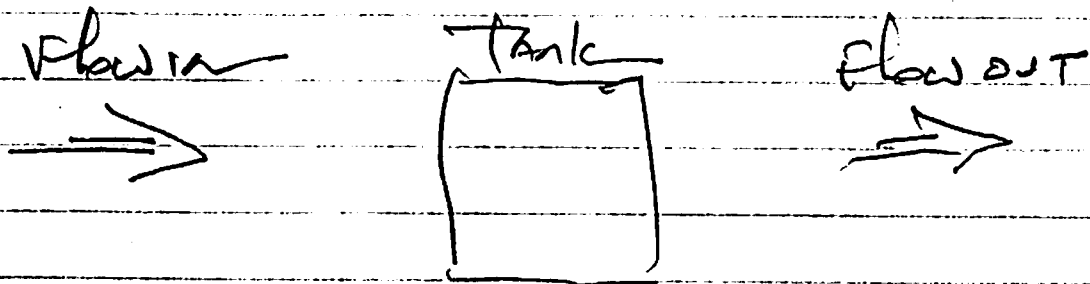
JUN 30 2000  
 11:00 AM  
 3000  
 1000

# HARVEE LEACHATE

Susan

for  
6/6/00

LET'S START WITH SOMETHING  
SIMPLE UNTIL WE GET  
THE FINAL CERTIFICATION  
REPORT AND PHOTOS



## monthly summary

DATE	RAIN inches	GALLONS COLLECTED	GALLONS STORED	GALLONS HAULED	BALANCE
5/31/00	<del>1.5</del>	<del>15,000</del>	75,000	<del>15,000</del>	
6/4/00	3.1	15,000		18,000	
6/30/00	5.2	22,000	60,000	30,000	
TOTALS	8.3	37,000	15,000	48,000	+4,000

$$\text{Balance} = 37,000 + 15,000 - 48,000 = +4,000$$

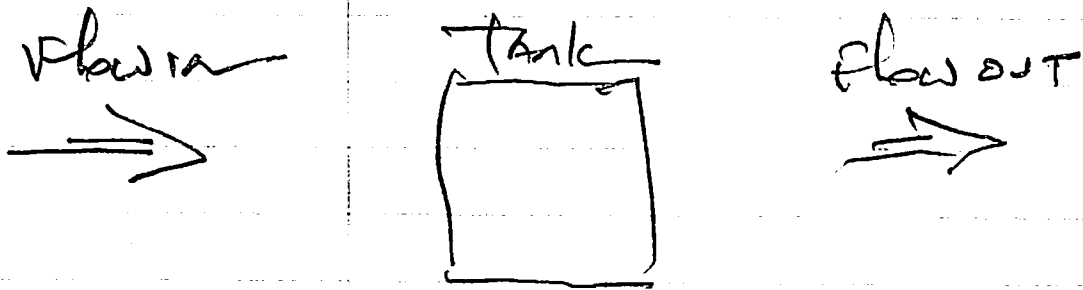
## Annual summary

DATE	RAIN inches	COLLECTED	HAULED	BALANCE
April	0	15,000	17,000	0
May	2	26,000	20,000	30,000
June	4	37,000	15,000	48,000
TOTALS	6	78,000	0	0

Susan HANDEE LEACHATE

for  
6/6/00

LET'S START WITH SOMETHING  
SIMPLE UNTIL WE GET  
THE FINAL CERTIFICATION  
REPORT AND PHOTOS



monthly summary

DATE	RAIN inches	GALLONS COLLECTED	GALLONS STORED	GALLONS HAULED	BALANCE
5/31/00	1	15,000	75,000	15,000	
6/4/00	3.1	15,000		18,000	
6/30/00	5.2	22,000	60,000	30,000	
TOTALS	8.3	37,000	15,000	48,000	+4,000

$$\text{Balance} = 37,000 + 15,000 - 48,000 = +4,000$$

Annual summary

Month	RAIN	collected		HAULED	BALANCE
April	0	15,000	-17,000	0	-2,000
May	2	26,000	-2,000	30,000	-2,000
JUNE	4	37,000	+15,000	48,000	+4,000
TOTALS	6	78,000			0

# INTEROFFICE MEMORANDUM

**Date:** 06-May-2000 09:40am  
**From:** Ferguson, Craig A.  
CAFerguson@pbsj.com

**Dept:**  
**Tel No:**

**To:** 'Pelz Susan' ( susan.pelz@dep.state.fl.us )  
**CC:** 'Williamson Janice' ( hcswd@4ez.com )  
**CC:** Deans, David E. ( DEDeans@pbsj.com )

**Subject:** Hardee County Landfill - Proposed Water Balance Spreadsheet

Susan, the attached Excel spreadsheet is being submitted to you on behalf of our client Hardee County. We request your review and comment. Upon your approval, the County will implement its use. If you have any questions on the attached information or would like to discuss it, feel free to contact me.

Sincerely,

Craig A. Ferguson, P.E.  
PBS&J  
1560 Orange Avenue, suite 700  
Winter Park, FL 32789  
(800) 284-5182 x350  
(407) 647-0624 fax  
caferguson@pbsj.com

<<WATERBALANCE.xls>>

*Kim,*

*5/18/00*

*Comments on format?*

*Susan*

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Apr-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
4/1/00						0.13	-57	-57	0	0	-57	-57	
4/2/00		0				0.13	-57	-57	0	0	-57	-57	
4/3/00		0				0.13	-57	-57	0	0	-57	-57	
4/4/00		0				0.13	-57	-57	0	0	-57	-57	
4/5/00		0				0.13	-57	-57	0	0	-57	-57	
4/6/00		0				0.13	-57	-57	0	0	-57	-57	
4/7/00		0				0.13	-57	-57	0	0	-57	-57	
4/8/00		0				0.13	-57	-57	0	0	-57	-57	
4/9/00		0				0.13	-57	-57	0	0	-57	-57	
4/10/00		0				0.13	-57	-57	0	0	-57	-57	
4/11/00		0				0.13	-57	-57	0	0	-57	-57	
4/12/00		0				0.13	-57	-57	0	0	-57	-57	
4/13/00		0				0.13	-57	-57	0	0	-57	-57	
4/14/00		0				0.13	-57	-57	0	0	-57	-57	
4/15/00		0				0.13	-57	-57	0	0	-57	-57	
4/16/00		0				0.13	-57	-57	0	0	-57	-57	
4/17/00		0				0.13	-57	-57	0	0	-57	-57	
4/18/00		0				0.13	-57	-57	0	0	-57	-57	
4/19/00		0				0.13	-57	-57	0	0	-57	-57	
4/20/00		0				0.13	-57	-57	0	0	-57	-57	
4/21/00		0				0.13	-57	-57	0	0	-57	-57	
4/22/00		0				0.13	-57	-57	0	0	-57	-57	
4/23/00		0				0.13	-57	-57	0	0	-57	-57	
4/24/00		0				0.13	-57	-57	0	0	-57	-57	
4/25/00		0				0.13	-57	-57	0	0	-57	-57	
4/26/00		0				0.13	-57	-57	0	0	-57	-57	
4/27/00		0				0.13	-57	-57	0	0	-57	-57	
4/28/00		0				0.13	-57	-57	0	0	-57	-57	
4/29/00		0				0.13	-57	-57	0	0	-57	-57	
4/30/00		0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>	<b>0</b>				<b>0</b>		<b>-1705</b>	<b>-1705</b>	<b>0</b>	<b>0</b>	<b>-1705</b>	<b>-1705</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>							<b>-3409</b>	<b>-3409</b>	<b>0</b>	<b>0</b>	<b>-3409</b>	<b>-3409</b>	

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693.18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693.18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
May-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
5/1/00		0				0.13	-57	-57	0	0	-57	-57	
5/2/00		0				0.13	-57	-57	0	0	-57	-57	
5/3/00		0				0.13	-57	-57	0	0	-57	-57	
5/4/00		0				0.13	-57	-57	0	0	-57	-57	
5/5/00		0				0.13	-57	-57	0	0	-57	-57	
5/6/00		0				0.13	-57	-57	0	0	-57	-57	
5/7/00		0				0.13	-57	-57	0	0	-57	-57	
5/8/00		0				0.13	-57	-57	0	0	-57	-57	
5/9/00		0				0.13	-57	-57	0	0	-57	-57	
5/10/00		0				0.13	-57	-57	0	0	-57	-57	
5/11/00		0				0.13	-57	-57	0	0	-57	-57	
5/12/00		0				0.13	-57	-57	0	0	-57	-57	
5/13/00		0				0.13	-57	-57	0	0	-57	-57	
5/14/00		0				0.13	-57	-57	0	0	-57	-57	
5/15/00		0				0.13	-57	-57	0	0	-57	-57	
5/16/00		0				0.13	-57	-57	0	0	-57	-57	
5/17/00		0				0.13	-57	-57	0	0	-57	-57	
5/18/00		0				0.13	-57	-57	0	0	-57	-57	
5/19/00		0				0.13	-57	-57	0	0	-57	-57	
5/20/00		0				0.13	-57	-57	0	0	-57	-57	
5/21/00		0				0.13	-57	-57	0	0	-57	-57	
5/22/00		0				0.13	-57	-57	0	0	-57	-57	
5/23/00		0				0.13	-57	-57	0	0	-57	-57	
5/24/00		0				0.13	-57	-57	0	0	-57	-57	
5/25/00		0				0.13	-57	-57	0	0	-57	-57	
5/26/00		0				0.13	-57	-57	0	0	-57	-57	
5/27/00		0				0.13	-57	-57	0	0	-57	-57	
5/28/00		0				0.13	-57	-57	0	0	-57	-57	
5/29/00		0				0.13	-57	-57	0	0	-57	-57	
5/30/00		0				0.13	-57	-57	0	0	-57	-57	
5/31/00		0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>		<b>-1761</b>	<b>-1761</b>	<b>0</b>	<b>0</b>	<b>-1761</b>	<b>-1761</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>							<b>-3523</b>		<b>0</b>		<b>-3523</b>		

(1) Current day totalizer reading minus the previous day totalizer reading in gallons  
(2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693.18 square feet \* 7.48 gallons per cubic foot  
(3) Current day tank level reading minus previous day tank level reading \* 693.18 square feet \* 7.48 gallons per cubic foot  
(4) Leachate volume + net of rain and evaporation volume



**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Jun-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
6/1/00		0				0.13	-57	-57	0	0	-57	-57	
6/2/00		0				0.13	-57	-57	0	0	-57	-57	
6/3/00		0				0.13	-57	-57	0	0	-57	-57	
6/4/00		0				0.13	-57	-57	0	0	-57	-57	
6/5/00		0				0.13	-57	-57	0	0	-57	-57	
6/6/00		0				0.13	-57	-57	0	0	-57	-57	
6/7/00		0				0.13	-57	-57	0	0	-57	-57	
6/8/00		0				0.13	-57	-57	0	0	-57	-57	
6/9/00		0				0.13	-57	-57	0	0	-57	-57	
6/10/00		0				0.13	-57	-57	0	0	-57	-57	
6/11/00		0				0.13	-57	-57	0	0	-57	-57	
6/12/00		0				0.13	-57	-57	0	0	-57	-57	
6/13/00		0				0.13	-57	-57	0	0	-57	-57	
6/14/00		0				0.13	-57	-57	0	0	-57	-57	
6/15/00		0				0.13	-57	-57	0	0	-57	-57	
6/16/00		0				0.13	-57	-57	0	0	-57	-57	
6/17/00		0				0.13	-57	-57	0	0	-57	-57	
6/18/00		0				0.13	-57	-57	0	0	-57	-57	
6/19/00		0				0.13	-57	-57	0	0	-57	-57	
6/20/00		0				0.13	-57	-57	0	0	-57	-57	
6/21/00		0				0.13	-57	-57	0	0	-57	-57	
6/22/00		0				0.13	-57	-57	0	0	-57	-57	
6/23/00		0				0.13	-57	-57	0	0	-57	-57	
6/24/00		0				0.13	-57	-57	0	0	-57	-57	
6/25/00		0				0.13	-57	-57	0	0	-57	-57	
6/26/00		0				0.13	-57	-57	0	0	-57	-57	
6/27/00		0				0.13	-57	-57	0	0	-57	-57	
6/28/00		0				0.13	-57	-57	0	0	-57	-57	
6/29/00		0				0.13	-57	-57	0	0	-57	-57	
6/30/00		0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>		<b>-1705</b>	<b>-1705</b>	<b>0</b>	<b>0</b>	<b>-1705</b>	<b>-1705</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>								<b>-3409</b>		<b>0</b>		<b>-3409</b>	

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693.18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693.18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Jul-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
7/1/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/2/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/3/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/4/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/5/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/6/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/7/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/8/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/9/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/10/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/11/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/12/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/13/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/14/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/15/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/16/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/17/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/18/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/19/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/20/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/21/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/22/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/23/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/24/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/25/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/26/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/27/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/28/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/29/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/30/00	0	0				0.13	-57	-57	0	0	-57	-57	
7/31/00	0	0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>	<b>0</b>	<b>0</b>			<b>0</b>		<b>-1761</b>	<b>-1761</b>	<b>0</b>	<b>0</b>	<b>-1761</b>	<b>-1761</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>								<b>-3523</b>		<b>0</b>		<b>-3523</b>	

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693.18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693.18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume

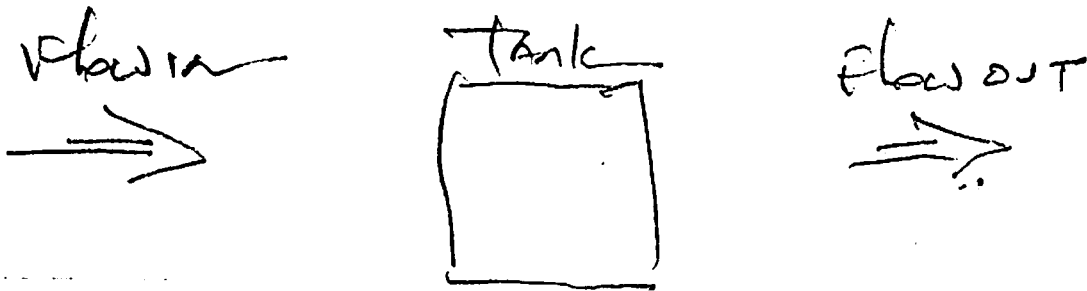
Susan HARVEE LEACHATE

Please contact  
Janice directly

for  
6/6/00

LET'S START WITH SOME TO DISCUSS.

Simple until we  
THE FINAL COLLECTION <sup>THX</sup> <sub>11/14</sub> &  
REPORT AND PHOTOS



monthly summary

DATE	RAIN inches	Gallons Collected	Gallons STORED	Gallons HAULED	BALANCE
5/31/00			75,000		
6/4/00	3.1	15,000		18,000	
6/30/00	5.2	22,000	60,000	30,000	
TOTALS	8.3	37,000	15,000	48,000	+4,000

$$\text{Balance} = 37,000 + 15,000 - 48,000 = +4,000$$

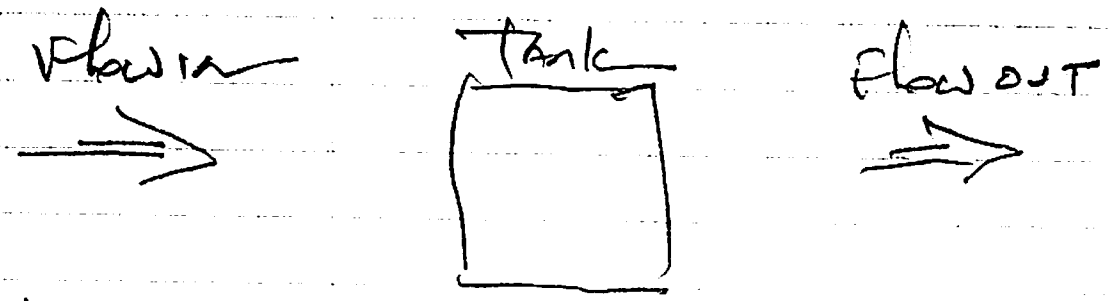
Annual summary

	RAIN	collected		HAULED	BALANCE
April	0	15,000	-17,000	0	-2,000
may	2	26,000	-2,000	30,000	-2,000
JUNE	4	37,000	+15,000	48,000	+4,000
TOTALS	6	78,000			0

Susan HANDEE LEACHATE

for  
6/6/00

LET'S START WITH SOMETHING  
SIMPLE UNTIL WE GET  
THE FINAL CERTIFICATION  
REPORT AND PHOTOS



month of summary

DATE	Rain inches	Gallons Collected	Gallons STORED	Gallons HAULED	BALANCE
5/31/00			75,000		
6/1/00	3.1	15,000		18,000	
6/30/00	5.2	22,000	60,000	30,000	
TOTALS	8.3	37,000	15,000	48,000	+4,000

$$\text{Balance} = 37,000 + 15,000 - 48,000 = +4,000$$

Annual Summary

	Rain	collected		HAULED	BALANCE
April	0	15,000	-17,000	0	-2,000
May	2	26,000	-2,000	30,000	-2,000
JUNE	4	37,000	+15,000	48,000	+4,000
TOTALS	6	78,000			0

# INTEROFFICE MEMORANDUM

**Date:** 06-May-2000 09:40am  
**From:** Ferguson, Craig A.  
CAFerguson@pbsj.com  
**Dept:**  
**Tel No:**

**To:** 'Pelz Susan' ( susan.pelz@dep.state.fl.us )  
**CC:** 'Williamson Janice' ( hcswd@4ez.com )  
**CC:** Deans, David E. ( DEDeans@pbsj.com )

**Subject:** Hardee County Landfill - Proposed Water Balance Spreadsheet

Susan, the attached Excel spreadsheet is being submitted to you on behalf of our client Hardee County. We request your review and comment. Upon your approval, the County will implement its use. If you have any questions on the attached information or would like to discuss it, feel free to contact me.

Sincerely,

Craig A. Ferguson, P.E.  
PBS&J  
1560 Orange Avenue, suite 700  
Winter Park, FL 32789  
(800) 284-5182 x350  
(407) 647-0624 fax  
caferguson@pbsj.com

<<WATERBALANCE.xls>>

*Kim,*  
*5/18/00*

*Comments on format?*

*Susan*

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Apr-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
4/1/00						0.13	-57	-57	0	0	-57	-57	
4/2/00		0				0.13	-57	-57	0	0	-57	-57	
4/3/00		0				0.13	-57	-57	0	0	-57	-57	
4/4/00		0				0.13	-57	-57	0	0	-57	-57	
4/5/00		0				0.13	-57	-57	0	0	-57	-57	
4/6/00		0				0.13	-57	-57	0	0	-57	-57	
4/7/00		0				0.13	-57	-57	0	0	-57	-57	
4/8/00		0				0.13	-57	-57	0	0	-57	-57	
4/9/00		0				0.13	-57	-57	0	0	-57	-57	
4/10/00		0				0.13	-57	-57	0	0	-57	-57	
4/11/00		0				0.13	-57	-57	0	0	-57	-57	
4/12/00		0				0.13	-57	-57	0	0	-57	-57	
4/13/00		0				0.13	-57	-57	0	0	-57	-57	
4/14/00		0				0.13	-57	-57	0	0	-57	-57	
4/15/00		0				0.13	-57	-57	0	0	-57	-57	
4/16/00		0				0.13	-57	-57	0	0	-57	-57	
4/17/00		0				0.13	-57	-57	0	0	-57	-57	
4/18/00		0				0.13	-57	-57	0	0	-57	-57	
4/19/00		0				0.13	-57	-57	0	0	-57	-57	
4/20/00		0				0.13	-57	-57	0	0	-57	-57	
4/21/00		0				0.13	-57	-57	0	0	-57	-57	
4/22/00		0				0.13	-57	-57	0	0	-57	-57	
4/23/00		0				0.13	-57	-57	0	0	-57	-57	
4/24/00		0				0.13	-57	-57	0	0	-57	-57	
4/25/00		0				0.13	-57	-57	0	0	-57	-57	
4/26/00		0				0.13	-57	-57	0	0	-57	-57	
4/27/00		0				0.13	-57	-57	0	0	-57	-57	
4/28/00		0				0.13	-57	-57	0	0	-57	-57	
4/29/00		0				0.13	-57	-57	0	0	-57	-57	
4/30/00		0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>	<b>0.13</b>	<b>-1705</b>	<b>-1705</b>	<b>0</b>	<b>0</b>	<b>-1705</b>	<b>-1705</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>								<b>-3409</b>		<b>0</b>		<b>-3409</b>	

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693 18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693 18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume = net of rain and evaporation volume

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
May-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (Inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
5/1/00		0				0.13	-57	-57	0	0	-57	-57	
5/2/00		0				0.13	-57	-57	0	0	-57	-57	
5/3/00		0				0.13	-57	-57	0	0	-57	-57	
5/4/00		0				0.13	-57	-57	0	0	-57	-57	
5/5/00		0				0.13	-57	-57	0	0	-57	-57	
5/6/00		0				0.13	-57	-57	0	0	-57	-57	
5/7/00		0				0.13	-57	-57	0	0	-57	-57	
5/8/00		0				0.13	-57	-57	0	0	-57	-57	
5/9/00		0				0.13	-57	-57	0	0	-57	-57	
5/10/00		0				0.13	-57	-57	0	0	-57	-57	
5/11/00		0				0.13	-57	-57	0	0	-57	-57	
5/12/00		0				0.13	-57	-57	0	0	-57	-57	
5/13/00		0				0.13	-57	-57	0	0	-57	-57	
5/14/00		0				0.13	-57	-57	0	0	-57	-57	
5/15/00		0				0.13	-57	-57	0	0	-57	-57	
5/16/00		0				0.13	-57	-57	0	0	-57	-57	
5/17/00		0				0.13	-57	-57	0	0	-57	-57	
5/18/00		0				0.13	-57	-57	0	0	-57	-57	
5/19/00		0				0.13	-57	-57	0	0	-57	-57	
5/20/00		0				0.13	-57	-57	0	0	-57	-57	
5/21/00		0				0.13	-57	-57	0	0	-57	-57	
5/22/00		0				0.13	-57	-57	0	0	-57	-57	
5/23/00		0				0.13	-57	-57	0	0	-57	-57	
5/24/00		0				0.13	-57	-57	0	0	-57	-57	
5/25/00		0				0.13	-57	-57	0	0	-57	-57	
5/26/00		0				0.13	-57	-57	0	0	-57	-57	
5/27/00		0				0.13	-57	-57	0	0	-57	-57	
5/28/00		0				0.13	-57	-57	0	0	-57	-57	
5/29/00		0				0.13	-57	-57	0	0	-57	-57	
5/30/00		0				0.13	-57	-57	0	0	-57	-57	
5/31/00		0				0.13	-57	-57	0	0	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>		<b>-1761</b>	<b>-1761</b>	<b>0</b>	<b>0</b>	<b>-1761</b>	<b>-1761</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>							<b>-3523</b>		<b>0</b>		<b>-3523</b>		

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693 18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693 18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume

**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Jun-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (ev/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAUL OUT QUANTITY (gallons)
6/1/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/2/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/3/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/4/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/5/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/6/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/7/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/8/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/9/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/10/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/11/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/12/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/13/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/14/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/15/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/16/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/17/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/18/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/19/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/20/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/21/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/22/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/23/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/24/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/25/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/26/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/27/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/28/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/29/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
6/30/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>		<b>-1705</b>	<b>-1705</b>	<b>0</b>	<b>0</b>	<b>-1705</b>	<b>-1705</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>							<b>-3409</b>	<b>0</b>	<b>0</b>	<b>-3409</b>	<b>0</b>		

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693.18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693.18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume



**HARDEE COUNTY LANDFILL  
LEACHATE WATER BALANCE  
Jul-00**

DATE	COLLECTION PUMP STATION TOTALIZER READING (gallons)	COLLECTION PUMP STATION FLOW (gallons) (1)	TANK 1 LEACHATE LEVEL READING (feet)	TANK 2 LEACHATE LEVEL READING (feet)	RAIN GAUGE READING (inches)	ESTIMATED ANNUAL AVERAGE PAN EVAPORATION (in/day)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 1 (gallons) (2)	NET OF RAIN MINUS EVAPORATION ADDED TO TANK 2 (gallons) (2)	CALCULATED LEACHATE VOLUME ADDED TO TANK 1 (gallons) (3)	CALCULATED LEACHATE VOLUME ADDED TO TANK 2 (gallons) (3)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 1 (gallons) (4)	CALCULATED TOTAL LIQUID VOLUME ADDED TO TANK 2 (gallons) (4)	LEACHATE HAIL OUT QUANTITY (gallons)
7/1/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/2/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/3/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/4/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/5/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/6/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/7/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/8/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/9/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/10/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/11/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/12/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/13/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/14/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/15/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/16/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/17/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/18/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/19/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/20/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/21/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/22/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/23/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/24/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/25/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/26/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/27/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/28/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/29/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/30/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
7/31/00	0	0			0.13	-57	-57	0	0	-57	-57	-57	
<b>TOTALS</b>		<b>0</b>			<b>0</b>		<b>-1761</b>	<b>-1761</b>	<b>0</b>	<b>0</b>	<b>-1761</b>	<b>-1761</b>	<b>0</b>
<b>TOTAL FOR TANKS 1 &amp; 2</b>							<b>-3523</b>	<b>0</b>			<b>-3523</b>		

- (1) Current day totalizer reading minus the previous day totalizer reading in gallons
- (2) (Rain gauge reading - evaporation value) / 12 inches per foot \* 693 18 square feet \* 7.48 gallons per cubic foot
- (3) Current day tank level reading minus previous day tank level reading \* 693 18 square feet \* 7.48 gallons per cubic foot
- (4) Leachate volume + net of rain and evaporation volume



685 AIRPORT ROAD  
WAUCHULA, FL 33873-8663  
Telephone: (863) 773-5080  
FAX: (863) 773-3907

FLORIDA DEPARTMENT OF  
**Hardee County Solid Waste Department**

**MAR 16 2000**

SOUTHWEST DISTRICT  
TAMPA

March 15, 2000

Department of Environmental Protections  
Attention: Kim Ford  
3804 Coconut Palm Drive  
Tampa, FL 338619

RE: Daily Water Balances

Dear Mr. Ford:

Submitted for your review are the 1999 fourth quarter water balances. Please note the changes in total acres, intermediate and open; and the changes in gallons generated per acre, per day. All of the occurrences are due to major construction project conducted during that quarter.

As we are in process of switching over from an open leachate storage ditch to a tank storage system, I am uncertain on the methods used to calculate these balances in the future. I have instructed PBS&J to develop a new method and ask that they advise with you. Therefore, you should be hearing from them soon. Feel free to contact me should you have any questions or comments.

Sincerely,

Janice Williamson  
Solid Waste Superintendent

**HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE**

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
12/01/1999	50	10	30	0	0	79.88	1,079,481	0	N/A	0	24,000	0
12/02/1999	62	5	40	0	0	79.64	1,016,135	0	N/A	0	0	0
12/03/1999	60	10	37	0	0	79.69	1,029,332	0	N/A	0	0	0
12/04/1999	76	5	60	0	0	79.76	1,047,808	0	N/A	0	0	0
12/05/1999												
12/06/1999	75	12	27	0	0	79.74	1,042,529	0	N/A	0	0	0
12/07/1999	75	10	30	0	0	79.70	1,031,972	0	N/A	0	0	0
12/08/1999	85	10	30	0	0	79.65	1,018,775	0	N/A	0	0	0
12/09/1999	85	5	45	0	0	79.65	1,018,775	0	N/A	0	0	0
12/10/1999	82	10	30	0	0	79.63	1,013,496	0	N/A	0	0	0
12/11/1999	83	15	60	0	0	79.60	1,005,578	0	N/A	0	0	0
12/12/1999												
12/13/1999	84	10	15	0	0	79.56	995,020	0	N/A	0	0	0
12/14/1999	85	8	20	0	0	79.55	992,381	0	N/A	0	0	0
12/15/1999	82	5	30	0	0	79.46	968,626	0	N/A	0	0	0
12/16/1999	81	10	57	0	0	79.41	955,429	0	N/A	0	0	0
12/17/1999	80	10	80	0.4	97,740	79.49	976,544	0	N/A	0	0	0
12/18/1999	80	10	95	1.2	293,220			0	N/A	0	0	0
12/19/1999												
12/20/1999	75	10	90	1.4	266,070	80.01	1,114,119	0	N/A	0	0	0
12/21/1999	81	5	65	0	0	79.95	1,097,957	0	N/A	0	0	0
12/22/1999	78	5	40	0	0	79.85	1,071,563	0	N/A	0	0	0
12/23/1999	80	10	30	0	0	79.82	1,063,645	0	N/A	0	0	0
12/24/1999												
12/25/1999												
12/26/1999												
12/27/1999	66	15	59	0	0	79.84	1,068,923	0	N/A	0	0	0
12/28/1999	65	5	91	0.2	38,010	79.85	1,071,563	0	N/A	0	0	0
12/29/1999												
12/30/1999												
12/31/1999												
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>3.2</b>	<b>695,040</b>	<b>n/a</b>	<b>1,071,563</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>24,000</b>	<b>0</b>
Previous Gallons Stored				1,123,014								
Current Gallons Stored				1,071,563				Total Landfill Acres	12			
Gallons Lost				51,451				Closed	0			
Treatment				24,000				Opened	3.5			
Evaporation				0				Intermediate Cover	8.5			
Gained or Lost				51,451								
Total Gallons Collected				-27,451				Gallons Collected per acre / per day	N/A			

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SOUTHWEST DISTRICT  
TAMPA

**HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE**

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
11/01/1999	88	12	72	0	0	79.84	1,068,923	0	N/A	0	28,800	0
11/02/1999	88	5	82	0	0	79.84	1,068,923	0	N/A	0	18,900	0
11/03/1999											33,600	
11/04/1999	89	10	57	0	0	80.04	1,123,014	0	N/A	0	24,000	0
11/05/1999	86	10	40	0	0	80.10	1,140,806	0	N/A	0	24,000	0
11/06/1999	90	15	60	0	0	80.10	1,140,806	0	N/A	0	0	0
11/07/1999												
11/08/1999	89	15	37	0	0	80.24	1,182,319	0	N/A	0	28,800	0
11/09/1999	87	8	10	0	0	80.34	1,211,972	0	N/A	0	23,650	0
11/10/1999	89	5	39	0	0	80.50	1,259,416	0	N/A	0	0	0
11/11/1999	81	10	70	0	0	80.60	1,289,068	0	N/A	0	0	0
11/12/1999	81	8	47	0	0	80.78	1,342,443	0	N/A	0	33,550	0
11/13/1999	84	5	65	0	0	80.80	1,348,373	0	N/A	0	33,600	0
11/14/1999												
11/15/1999	82	10	45	0	0	80.81	1,351,339	0	N/A	0	28,800	0
11/16/1999	83	10	25	0	0	80.87	1,369,130	0	N/A	0	33,600	0
11/17/1999	84	8	40	0	0	80.99	1,404,713	0	N/A	0	28,800	0
11/18/1999	82	15	57	0	0	81.01	1,411,034	0	N/A	0	24,000	0
11/19/1999	85	12	80	0	0	81.20	1,474,804	0	N/A	0	33,600	0
11/20/1999											9,600	0
11/21/1999												
11/22/1999	80	3	45	0	0	80.81	1,351,339	0	N/A	0	0	0
11/23/1999	84	8	27	0	0	80.59	1,286,103	0	N/A	0	33,600	0
11/24/1999	82	3	37	0	0	80.51	1,262,381	0	N/A	0	24,000	0
11/25/1999	83	10	15	0	0	80.40	1,229,763	0	N/A	0	0	0
11/26/1999	82	15	30	0	0	80.32	1,206,041	0	N/A	0	33,600	0
11/27/1999	79	3	70	0	0	80.17	1,161,563	0	N/A	0	0	0
11/28/1999												
11/29/1999	75	5	25	0	0	80.25	1,185,285	0	N/A	0	33,600	0
11/30/1999	80	12	47	0	0	80.04	1,123,014	0	N/A	0	33,600	0
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>0</b>	<b>N/A</b>	<b>1,123,014</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>565,700</b>	<b>0</b>
	Current Gallons Stored			1,123,014								
	Previous Gallons Stored			1,061,043				Total Landfill Acres	12			
	Gallons Gained			61,971				Closed	0			
	Treatment			565,700				Opened	3.5			
	Evaporation			0				Intermediate Cover	8.5			
	Gained or Lost			61,971								
	Total Gallons Collected			503,729				Gallons Collected per acre / per day	4,797			

**HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE**

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
10/01/1999	89	10	40	0	0	77.47	512,043	0	N/A	0	24,000	0
10/02/1999	88	8	60	0	0	77.35	487,800	0	N/A	0	0	0
10/03/1999												
10/04/1999	84	15	90	0	0	77.30	477,698	0	N/A	0	0	0
10/05/1999	85	5	83	5	950,250	79.00	847,214	0	N/A	0	33,600	0
10/06/1999	84	7	70	0	0	79.10	873,608	0	N/A	0	14,400	0
10/07/1999	88	10	50	0	0	79.14	884,165	0	N/A	0	24,000	0
10/08/1999	87	5	100	0.9	171,045	79.10	873,608	0	N/A	0	19,200	0
10/09/1999	88	10	78	0	0	79.28	921,117	0	N/A	0	0	0
10/10/1999												
10/11/1999	87	5	58	0	0	79.23	907,920	0	N/A	0	33,600	0
10/12/1999	88	12	40	0	0	79.25	913,199	0	N/A	0	33,600	0
10/13/1999	86	5	35	0	0	79.27	918,478	0	N/A	0	14,400	0
10/14/1999	90	15	27	0	0	79.30	926,396	0	N/A	0	0	0
10/15/1999	89	7	20	0	0	79.33	934,314	0	N/A	0	0	0
10/16/1999	86	7	10	0	0	79.38	947,511	0	N/A	0	0	0
10/17/1999												
10/18/1999	89	8	72	0	0	79.43	960,708	0	N/A	0	0	0
10/19/1999	89	5	10	0	0	79.45	965,987	0	N/A	0	0	0
10/20/1999	90	14	25	0	0	79.47	971,266	0	N/A	0	0	0
10/21/1999	88	5	30	0	0	79.50	979,184	0	N/A	0	0	0
10/22/1999	88	10	23	0	0	79.50	979,184	0	N/A	0	0	0
10/23/1999	86	15	20	0	0	79.52	984,463	0	N/A	0	33,600	0
10/24/1999	86	5	73	0	0	79.44	963,347	0	N/A	0	0	0
10/25/1999	86	5	73	0	0	79.58	1,000,299	0	N/A	0	0	0
10/26/1999	87	9	73	0	0	79.61	1,008,217	0	N/A	0	0	0
10/27/1999	83	15	75	0	0	79.66	1,021,414	0	N/A	0	0	0
10/28/1999	80	5	15	0	0	79.72	1,037,251	0	N/A	0	32,000	0
10/29/1999	81	3	35	0	0	79.80	1,058,366	0	N/A	0	0	0
10/30/1999	86	8	15	0	0	79.90	1,084,760	0	N/A	0	0	0
10/31/1999												
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>5.9</b>	<b>1,121,295</b>	<b>n/a</b>	<b>1,084,760</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>262,400</b>	<b>0</b>
	Current Gallons Stored			1,061,043								
	Previous Gallons Stored			86,427				Total Landfill Acres	12			
	Gallons Gained			974,616				Closed	0			
	Treatment			262,400				Opened	3.5			
	Evaporation			0				Intermediate Cover	8.5			
	Gained or Lost			974,616				Gallons Collected				
	Total Gallons Collected			1,237,016				per acre / per day	11.401			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STALL GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
6/1/99	80	5	35	0	0	77.27	463,408	0	N/A	0	0	0
6/2/99												
6/3/99												
6/4/99												
6/5/99						77.27	463,408	0	N/A	0	0	0
6/6/99												
6/7/99	81	5	85	0	0	77.15	441,220	0	N/A	0	0	0
6/8/99	82	10	50	0	0	77.15	441,200	0	N/A	0	0	0
6/9/99	80	5	70	0	0	77.14	439,388	0	N/A	0	0	0
6/10/99	85	15	40	0	0	77.13	437,557	0	N/A	0	0	0
6/11/99												
6/12/99	85	10	60	0	0	77.10	432,064	0	N/A	0	0	0
6/13/99												
6/14/99	80	10	20	0	0	77.07	426,663	0	N/A	0	0	0
6/15/99	88	5	10	0	0	77.06	424,862	0	N/A	0	0	0
6/16/99	82	10	85	2.7	513,135	77.14	439,388	0	N/A	0	0	0
6/17/99	77	15	100	0.7	133,035	77.57	520,832	0	N/A	0	0	0
6/18/99	82	5	60	0	0	77.57	520,832	0	N/A	0	0	0
6/19/99	85	15	70	0	0	77.58	522,787	0	N/A	0	0	0
6/20/99												
6/21/99	85	5	70	0.4	76,020	77.47	501,383	0	N/A	0	23,630	0
6/22/99	80	3	35	0	0	77.37	482,241	0	N/A	0	23,600	0
6/23/99	85	5	60	0.9	171,045	76.81	380,709	0	N/A	0	23,590	0
6/24/99	86	10	90	0.9	171,045	76.83	384,188	0	N/A	0	23,560	0
6/25/99	87	5	40	0	0	76.85	387,666	0	N/A	0	14,140	0
6/26/99												
6/27/99												
6/28/99	88	5	75	0.7	133,035	76.49	327,002	0	N/A	0	23,580	0
6/29/99	88	5	50	0	0	76.43	317,297	0	N/A	0	9,410	0
6/30/99											23,580	
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>6.3</b>	<b>1,197,315</b>	<b>n/a</b>	<b>317,297</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>165,090</b>	<b>n/a</b>
	Previous Gallons Stored			467,131								
	Current Gallons Stored			317,297				Total Landfill Acres	14			
	Gallons Lost			149,834				Closed	0			
	Treatment			165,090				Opened	7			
	Evaporation			0				Intermediate Cover	7			
	Gained or Lost			149,834				Gallons Collected				
	Total Gallons Collected			15,256				per acre / per day	72			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
12/1/98	85	4	68	0	0	78.12	633,340	105,462	6.00%	6,328	19,040	0
12/2/98	81	5	60	0	0	77.94	595,495	105,462	7.00%	7,382	19,040	0
12/3/98	81	8	63	0	0	77.75	556,628	105,462	9.00%	9,492	19,040	0
12/4/98	82	10	64	0	0	77.57	520,832	105,462	10.00%	10,546	19,040	0
12/5/98												
12/6/98												
12/7/98	83	6	60	0	0	77.51	509,107	105,462	8.00%	8,437	14,280	0
12/8/98	83	4	64	0	0	77.32	472,778	105,462	6.00%	6,328	23,800	0
12/9/98	84	5	64	0	0	77.19	448,544	105,462	7.00%	7,382	28,560	0
12/10/98	84	5	65	0	0	76.91	398,132	105,462	7.00%	7,382	28,560	0
12/11/98	88	4	63	0	0	76.88	392,884	105,462	7.00%	7,382	0	0
12/12/98	82	3	66	0	0	76.87	391,144	105,462	6.00%	6,328	0	0
12/13/98												
12/14/98	66	12	48	0.4	76,020	76.84	385,927	105,462	13.00%	13,710	28,560	0
12/15/98												
12/16/98												
12/17/98	61	13	58	0	0	76.97	408,751	105,462	10.00%	10,546	28,560	0
12/18/98												
12/19/98												
12/20/98												
12/21/98	82	8	68	0	0	76.97	408,751	105,462	7.00%	7,382	23,800	0
12/22/98												
12/23/98												
12/24/98												
12/25/98												
12/26/98												
12/27/98												
12/28/98	78	6	83	0.8	152,040	77.10	432,064	105,462	6.00%	6,328	23,800	0
12/29/98												
12/30/98												
12/31/98	72	9	59	0	0	77.16	443,051	105,462	9.00%	9,492	23,800	0
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1.2</b>	<b>228,060</b>	<b>n/a</b>	<b>443,051</b>	<b>n/a</b>	<b>n/a</b>	<b>124,445</b>	<b>299,880</b>	<b>n/a</b>
Previous Gallons Stored				674,388								
Current Gallons Stored				443,051				Total Landfill Acres	14			
Gallons Lost				231,337				Closed	0			
Treatment				299,880				Opened	7			
Evaporation				124,445				Intermediate Cover	7			
Gained or Lost				231,337				Gallons Collected				
Total Gallons Collected				192,988				per acre / per day	889			

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HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
11/1/98												
11/2/98	85	4	73	0	0	78.51	718,829	105,462	6.00%	6,328	23,800	0
11/3/98												
11/4/98	83	9	88	1	190,050	78.32	676,591	0	n/a	0	28,560	0
11/5/98	70	12	88	2.2	418,110	79.11	859,686	0	n/a	0	28,560	0
11/6/98	73	14	63	0	0	79.11	859,686	105,462	13.00%	13,710	28,560	0
11/7/98												
11/8/98												
11/9/98	82	6	74	0	0	79.26	896,604	105,462	7.00%	7,382	23,800	0
11/10/98	84	9	79	0	0	79.16	871,936	105,462	8.00%	8,437	28,560	0
11/11/98	83	8	79	0	0	79.08	852,392	105,462	8.00%	8,437	0	0
11/12/98	85	5	65	0	0	79.01	835,438	105,462	7.00%	7,382	28,560	0
11/13/98	85	5	76	0	0	78.84	794,930	105,462	6.00%	6,328	28,560	0
11/14/98												
11/15/98												
11/16/98	85	3	79	0	0	78.91	811,486	105,462	5.00%	5,273	28,560	0
11/17/98	86	5	74	0	0	78.72	767,336	105,462	6.00%	6,328	23,800	0
11/18/98	87	3	74	0	0	78.60	739,223	105,462	5.00%	5,273	28,560	0
11/19/98	86	4	80	0	0	78.41	696,452	105,462	5.00%	5,273	28,560	0
11/20/98	88	7	73	0	0	78.29	670,013	105,462	8.00%	8,437	23,800	0
11/21/98												
11/22/98												
11/23/98	85	8	64	0	0	78.34	680,998	105,462	10.00%	10,546	28,560	0
11/24/98	85	4	73	0	0	78.29	670,013	105,462	6.00%	6,328	28,560	0
11/25/98	83	4	68	0	0	78.11	631,200	105,462	6.00%	6,328	28,560	0
11/26/98												
11/27/98												
11/28/98												
11/29/98												
11/30/98	85	6	78	0	0	78.31	674,388	105,462	7.00%	7,382	9,520	0
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>3.2</b>	<b>608,160</b>	<b>n/a</b>	<b>674,388</b>	<b>n/a</b>	<b>n/a</b>	<b>119,172</b>	<b>447,440</b>	<b>0</b>
Previous Gallons Stored				727,893								
Current Gallons Stored				608,160				Total Landfill Acres	14			
Gallons Lost				119,733				Closed	0			
Treatment				447,440				Opened	7			
Evaporation				119,172				Intermediate Cover	7			
Gained or lost				119,733								
Total Gallons Collected				446,879				Gallons Collected per acre / per day	2,048			



HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

Rec'd 1-27-99

Susan

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
10/1/98	88	10	85	0	0	80.68	1,155,157	105,462	8.00%	8,437	28,560	0
10/2/98	90	7	87	0	0	80.51	1,138,310	105,462	6.00%	6,328	28,560	0
10/3/98	90	6	86	0	0	80.40	1,127,409	105,462	6.00%	6,328	28,560	0
10/4/98												
10/5/98	91	6	86	0	0	80.30	1,117,499	105,462	6.00%	6,328	23,800	0
10/6/98	91	8	83	0	0	80.20	1,107,589	105,462	8.00%	8,437	14,280	0
10/7/98	92	6	83	0	0	80.08	1,095,697	105,462	7.00%	7,382	28,560	0
10/8/98												
10/9/98	90	4	84	0	0	79.99	1,085,096	105,462	5.00%	5,273	28,560	0
10/10/98												
10/11/98												
10/12/98	89	6	88	0	0	79.80	1,034,594	105,462	6.00%	6,328	19,040	0
10/13/98												
10/14/98	88	3	96	0	0	79.74	1,018,291	105,462	4.00%	4,218	28,560	0
10/15/98	89	4	87	0	0	79.58	977,844	105,462	5.00%	5,273	28,560	0
10/16/98	88	15	63	0	0	79.45	944,244	105,462	17.00%	17,929	28,560	0
10/17/98	87	14	57	0	0	79.33	914,034	105,462	17.00%	17,929	14,280	0
10/18/98												
10/19/98	88	6	78	0	0	79.33	914,034	105,462	7.00%	7,382	28,560	0
10/20/98	87	8	88	0	0	79.20	881,736	105,462	8.00%	8,437	28,560	0
10/21/98	87	8	88	1.4	266,070	79.20	881,736	105,462	8.00%	8,437	28,560	0
10/22/98	80	12	65	0	0	79.13	864,566	105,462	13.00%	13,710	28,560	0
10/23/98	72	15	48	0	0	79.08	852,392	105,462	17.00%	17,929	0	0
10/24/98	78	13	58	0	0	79.01	835,438	105,462	16.00%	16,874	23,800	0
10/25/98												
10/26/98	78	9	64	0	0	79.03	840,282	105,462	12.00%	12,655	14,280	0
10/27/98	85	8	68	0	0	78.95	821,055	105,462	9.00%	9,492	14,280	0
10/28/98	85	13	65	0	0	78.85	797,291	105,462	15.00%	15,819	28,560	0
10/29/98	86	5	70	0	0	78.80	785,408	105,462	7.00%	7,382	28,560	0
10/30/98	86	7	68	0	0	78.70	762,198	105,462	9.00%	9,492	28,560	0
10/31/98	80	4	76	0	0	78.55	727,893	105,462	5.00%	5,273	28,560	0
TOTAL	n/a	n/a	n/a	1.4	266,070	n/a	727,893	n/a	n/a	233,072	580,720	0
Previous Gallons Stored				1,168,040								
Current Gallons Stored				727,893				Total Landfill Acres	14			
Gallons Lost				440,147				Closed	0			
								Opened	7			
Treatment				580,720				Intermediate Cover	7			
Evaporation				233,072								
Gained or Lost				440,147				Gallons Collected				
								per acre / per day	1,722			
Total Gallons Collected				373,845								

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1998-99 BALANCE SUMMARY

MONTH	RAIN FALL INCHES	PREVIOUS GALLONS STORED	CURRENT GALLONS STORED	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPEN ACRES	GALLONS COLLECTED PER ACRE/PER DAY
Oct-98	1.4	1,168,040	727,893	233,072	580,720	373,645	7	1,722
Nov-98	3.2	727,893	608,160	119,172	447,440	446,879	7	2,048
Dec-98	1.2	608,160	443,051	124,445	299,880	192,988	7	889
Jan-99	4.1	443,160	614,293	145,538	147,560	464,340	7	2,140
Feb-99	1.5	614,293	560,660	103,353	38,080	60,800	7	310
March-99	1.2	560,660	495,613	125,715	57,120	65,047	7	542
Apr-99	2.3	495,613	585,135	0	0	99,109	7	472
May-99	1.1	585,135	467,131	0	0	-118,004	7	0
Jun-99								
Jul-99								
Aug-99								
Sep-99								
<b>TOTAL</b>	<b>16</b>	<b>N/A</b>	<b>N/A</b>	<b>851,295</b>	<b>1,570,800</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

D.E.P.  
JUN 29 1999  
Southwest District Tampa

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
5/1/99	80	10	20	0	0	77.41	489,842	0	N/A	0	0	0
5/2/99	76	3	20	0	0	77.52	511,061	0	N/A	0	0	0
5/3/99	77	5	10	0	0	77.64	534,636	0	N/A	0	0	0
5/4/99	79	15	35	0	0	77.76	558,644	0	N/A	0	0	0
5/5/99	80	10	40	0	0	77.87	581,040	0	N/A	0	0	0
5/6/99	82	5	50	0	0	77.97	601,730	0	N/A	0	0	0
5/7/99												
5/8/99	85	5	65	0.4	76,020	77.77	560,660	0	N/A	0	0	0
5/9/99												
5/10/99	81	15	55	0	0	77.77	560,660	0	N/A	0	0	0
5/11/99	79	10	70	0	0	77.74	554,612	0	N/A	0	0	0
5/12/99	80	10	70	0	0	77.70	546,547	0	N/A	0	0	0
5/13/99	82	5	35	0	0	77.68	542,577	0	N/A	0	0	0
5/14/99	80	10	85	0	0	77.65	536,621	0	N/A	0	0	0
5/15/99	81	5	45	0	0	77.61	528,680	0	N/A	0	0	0
5/16/99												
5/17/99	79	5	25	0	0	77.59	524,741	0	N/A	0	0	0
5/18/99	82	10	60	0	0	77.57	520,832	0	N/A	0	0	0
5/19/99	81	10	80	0	0	77.53	513,016	0	N/A	0	0	0
5/20/99	80	8	70	0	0	77.49	505,230	0	N/A	0	0	0
5/21/99	82	15	40	0	0	77.47	501,383	0	N/A	0	0	0
5/22/99	77	10	30	0	0	77.45	497,536	0	N/A	0	0	0
5/23/99												
5/24/99	83	5	10	0	0	77.43	493,689	0	N/A	0	0	0
5/25/99	79	15	60	0	0	77.41	489,842	0	N/A	0	0	0
5/26/99	79	5	90	0.7	133,035	77.40	487,919	0	N/A	0	0	0
5/27/99	80	10	35	0	0	77.39	486,026	0	N/A	0	0	0
5/28/99	82	10	55	0	0	77.35	478,456	0	N/A	0	0	0
5/29/99	81	15	70	0	0	77.31	470,886	0	N/A	0	0	0
5/30/99												
5/31/99	83	15	10	0	0	77.29	467,131	0	N/A	0	0	0
TOTAL	n/a	n/a	n/a	1.1	209,055	n/a	467,131	n/a	n/a	0	0	0
Previous Gallons Stored				585,135								
Current Gallons Stored				467,131				Total Landfill Acres	14			
Gallons Lost				118,004				Closed	0			
Treatment				0				Opened	7			
Evaporation				0				Intermediate Cover	7			
Gained or Lost				-118,004				Gallons Collected				
Total Gallons Collected				-118,004				per acre / per day	0			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
4/1/99	78	0	50	0	0	77.46	499,459	0	N/A	0	0	0
4/2/99	79	5	65	0	0	77.47	501,383	0	N/A	0	0	0
4/3/99	77	3	60	0	0	77.49	505,230	0	N/A	0	0	0
4/4/99												
4/5/99	80	3	50	0	0	77.49	505,230	0	N/A	0	0	0
4/6/99	80	10	10	0	0	77.49	505,230	0	N/A	0	0	0
4/7/99	80	5	25	0	0	77.49	505,230	0	N/A	0	0	0
4/8/99	81	15	40	0	0	77.48	503,306	0	N/A	0	0	0
4/9/99	83	10	20	0	0	77.48	503,306	0	N/A	0	0	0
4/10/99	83	15	30	0	0	77.47	501,383	0	N/A	0	0	0
4/11/99												
4/12/99	80	5	70	0	0	77.47	501,383	0	N/A	0	0	0
4/13/99	80	3	25	0	0	77.47	501,383	0	N/A	0	0	0
4/14/99	78	5	30	0	0	77.47	501,383	0	N/A	0	0	0
4/15/99	75	10	50	0	0	77.46	499,459	0	N/A	0	0	0
4/16/99	82	7	20	0	0	77.45	497,536	0	N/A	0	0	0
4/17/99	81	5	30	0	0	77.42	491,766	0	N/A	0	0	0
4/18/99												
4/19/99	79	10	45	0	0	77.42	491,766	0	N/A	0	0	0
4/20/99	77	5	60	0	0	77.41	489,842	0	N/A	0	0	0
4/21/99	78	10	65	0	0	77.40	487,919	0	N/A	0	0	0
4/22/99	79	3	20	0	0	77.40	487,919	0	N/A	0	0	0
4/23/99	80	5	30	0	0	77.39	486,026	0	N/A	0	0	0
4/24/99	80	10	15	0	0	77.38	484,134	0	N/A	0	0	0
4/25/99												
4/26/99	79	8	10	0	0	77.37	482,241	0	N/A	0	0	0
4/27/99	83	5	10	0	0	77.36	480,349	0	N/A	0	0	0
4/28/99	83	10	40	0	0	77.36	480,349	0	N/A	0	0	0
4/29/99	82	2	80	2.3	437,115	77.89	585,135	0	N/A	0	0	0
4/30/99	79	5	35	0	0	77.39	486,026	0	N/A	0	0	0
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>2.3</b>	<b>437,115</b>	<b>n/a</b>	<b>486,026</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Current Gallons Stored			585,135								
	Previous Gallons Stored			486,026				Total Landfill Acres	14			
	Gallons Gained			99,109				Closed	0			
	Treatment			0				Opened	7			
	Evaporation			0				Intermediate Cover	7			
	Gained or Lost			99,109				Gallons Collected				
	Total Gallons Collected			99,109				per acre / per day	472			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
3/1/99	65	13	58	0	0	77.67	540,591	105,462	13.00%	13,710	9,520	0
3/2/99	75	9	64	0	0	77.43	493,689	105,462	9.00%	9,492	9,520	0
3/3/99	68	14	78	0.3	57,015	77.37	482,241	105,462	10.00%	10,546	9,520	0
3/4/99	68	15	50	0	0	77.28	465,269	105,462	15.00%	15,819	9,520	0
3/5/99	75	8	58	0	0	77.17	444,882	105,462	10.00%	10,546	9,520	0
3/6/99	75	5	64	0	0	76.98	410,520	105,462	6.00%	6,328	9,520	0
3/7/99												
3/8/99	78	7	50	0	0	76.78	375,552	59,601	10.00%	5,960	0	0
3/9/99	76	3	40	0	0	76.68	375,552	59,601	7.00%	4,172	0	0
3/10/99	80	5	50	0	0	76.58	341,803	59,601	9.00%	5,364	0	0
3/11/99	75	5	50	0	0	76.47	323,767	59,601	8.00%	4,768	0	0
3/12/99	81	15	65	0	0	76.37	307,682	59,601	14.00%	8,344	0	0
3/13/99	74	8	60	0	0	76.27	291,900	59,601	9.00%	5,634	0	0
3/14/99				0.9	171,045							
3/15/99	79	15	60	0	0	76.88	392,884	59,601	15.00%	8,940	0	0
3/16/99	75	7	60	0	0	76.88	392,884	59,601	8.00%	4,768	0	0
3/17/99	80	15	40	0	0	76.87	391,144	59,601	19.00%	11,324	0	0
3/18/99	78	10	50	0	0	76.87	391,144	0	N/A	0	0	0
3/19/99	78	5	50	0	0	76.61	346,777	0	N/A	0	0	0
3/20/99	80	15	40	0	0	76.37	307,682	0	N/A	0	0	0
3/21/99												
3/22/99	76	5	35	0	0	77.17	444,882	0	N/A	0	0	0
3/23/99	77	10	50	0	0	77.27	463,408	0	N/A	0	0	0
3/24/99	78	50	60	0	0	77.32	472,778	0	N/A	0	0	0
3/25/99				0	0	77.37	482,241	0	N/A	0	0	0
3/26/99	80	5	25	0	0	77.37	482,241	0	N/A	0	0	0
3/27/99	79	8	30	0	0	77.37	482,241	0	N/A	0	0	0
3/28/99												
3/29/99	71	0	20	0	0	77.39	486,026	0	N/A	0	0	0
3/30/99	81	10	30	0	0	77.43	493,689	0	N/A	0	0	0
3/31/99	80	15	20	0	0	77.44	495,613	0	N/A	0	0	0
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1.2</b>	<b>228,060</b>	<b>n/a</b>	<b>495,613</b>	<b>n/a</b>	<b>n/a</b>	<b>125,715</b>	<b>57,120</b>	<b>0</b>
Previous Gallons Stored				560,660								
Current Gallons Stored				495,613				Total Landfill Acres	14			
Gallons Lost				65,047				Closed	0			
Treatment				57,120				Opened	7			
Evaporation				125,715				Intermediate Cover	7			
Gained or Lost				65,047				Gallons Collected				
Total Gallons Collected				117,788				per acre / per day	542			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
2/1/99	80	4	72	0	0	78.01	610,074	0	N/A	0	0	0
2/2/99	78	13	88	0	0	77.97	601,730	0	N/A	0	0	0
2/3/99	78	10	67	0	0	78.04	616,403	0	N/A	0	0	0
2/4/99	75	4	63	0	0	78.11	631,200	0	N/A	0	0	0
2/5/99	78	5	54	0	0	78.17	644,044	0	N/A	0	0	0
2/6/99	75	5	60	0	0	78.17	644,044	0	N/A	0	0	0
2/7/99												
2/8/99												
2/9/99	78	6	60	0	0	78.07	622,731	0	N/A	0	0	0
2/10/99	78	7	64	0	0	77.87	581,040	105,462	8.00%	8,437	0	0
2/11/99	79	4	69	0	0	77.97	601,730	0	N/A	0	0	0
2/12/99	76	5	84	0	0	77.98	603,808	0	N/A	0	0	0
2/13/99	60	10	55	1.5	285,075	78.40	694,217	0	N/A	0	0	0
2/14/99												
2/15/99	70	4	56	0	0	78.47	709,859	0	N/A	0	0	0
2/16/99	71	5	69	0	0	78.52	721,095	105,462	6.00%	6,328	0	0
2/17/99	76	6	69	0	0	78.41	696,452	105,462	7.00%	7,382	0	0
2/18/99	72	13	69	0	0	78.45	705,390	105,462	10.00%	10,546	0	0
2/19/99	70	13	56	0	0	78.37	687,607	105,462	15.00%	15,819	9,520	0
2/20/99	70	9	63	0	0	78.32	676,591	105,462	9.00%	9,492	0	0
2/21/99												
2/22/99	56	10	49	0	0	78.18	646,185	0	N/A	0	0	0
2/23/99	57	9	75	0	0	78.18	646,185	105,462	7.00%	7,383	9,520	0
2/24/99	58	12	79	0	0	78.12	633,340	105,462	8.00%	8,437	0	0
2/25/99	65	9	58	0	0	77.97	601,730	105,462	9.00%	9,492	0	0
2/26/99	74	10	60	0	0	77.87	581,040	105,462	10.00%	10,546	9,520	0
2/27/99	78	8	64	0	0	77.77	560,660	105,462	9.00%	9,492	9,520	0
2/28/99												
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>1.5</b>	<b>285,075</b>	<b>n/a</b>	<b>560,660</b>	<b>n/a</b>	<b>n/a</b>	<b>103,353</b>	<b>38,080</b>	<b>0</b>
Previous Gallons Stored				641,293								
Current Gallons Stored				560,660				Total Landfill Acres	14			
Gallons Lost				80,633				Closed	0			
Treatment				38,080				Opened	7			
Evaporation				103,353				Intermed Cover	7			
Gained or Lost				80,633				Gallons Collected				
Total Gallons Collected				60,800				per acre / per day	310			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATIONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
1/1/99												
1/2/99	75	14	84	0	0	77.07	426,663	105,462	9.00%	9,492	28,560	0
1/3/99												
1/4/99	50	10	75	0.9	171,045	77.24	457,822	105,462	7.00%	7,382	14,280	0
1/5/99	50	15	75	0	0	77.06	424,862	105,462	9.00%	9,492	28,560	0
1/6/99	30	5	55	0	0	76.83	384,188	105,462	5.00%	5,273	28,560	0
1/7/99	55	5	55	0	0	76.53	333,564	105,462	6.00%	6,328	28,560	0
1/8/99	55	5	55	0	0	76.37	307,682	105,462	6.00%	6,328	9,520	0
1/9/99	65	5	55	0	0	76.20	281,000	105,462	7.00%	7,382	9,520	0
1/10/99												
1/11/99	63	10	55	0.2	38,010	76.23	285,671	105,462	10.00%	10,546	0	0
1/12/99	66	12	54	0	0	76.31	298,158	105,462	13.00%	13,710	0	0
1/13/99	70	9	58	0	0	76.37	307,682	0	N/A	0	0	0
1/14/99	72	5	64	0	0	76.32	299,746	0	N/A	0	0	0
1/15/99	79	12	64	0	0	76.42	315,679	105,462	13.00%	13,710	0	0
1/16/99	81	10	54	0	0	76.33	301,333	105,462	15.00%	15,819	0	0
1/17/99												
1/18/99	80	12	78	0	0	76.52	331,916	105,462	10.00%	10,546	0	0
1/19/99	76	9	65	0	0	76.34	302,920	105,462	10.00%	10,546	0	0
1/20/99	76	6	63	0	0	75.94	241,929	105,462	8.00%	8,438	0	0
1/21/99												
1/22/99	78	15	70	0	0	75.90	236,039	0	N/A	0	0	0
1/23/99	78	14	84	0	0	76.25	288,786	105,462	10.00%	10,546	0	0
1/24/99												
1/25/99	75	8	67	3	570,150	77.72	550,579	0	N/A	0	0	0
1/26/99	80	5	68	0	0	77.82	570,804	0	N/A	0	0	0
1/27/99	80	5	69	0	0	77.97	601,730	0	N/A	0	0	0
1/28/99	81	6	78	0	0	78.07	622,731	0	N/A	0	0	0
1/29/99	80	4	77	0	0	78.04	616,403	0	N/A	0	0	0
1/30/99	79	6	66	0	0	78.03	614,293	0	N/A	0	0	0
1/31/99												
<b>TOTAL</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>4.1</b>	<b>779,205</b>	<b>n/a</b>	<b>614,293</b>	<b>n/a</b>	<b>n/a</b>	<b>145,538</b>	<b>147,560</b>	<b>0</b>
Current Gallons Stored				614,293								
Previous Gallons Stored				443,051				Total Landfill Acres	14			
Gallons Gained				171,242				Closed	0			
Treatment				147,560				Opened	7			
Evaporation				145,538				Intermediate Cover	7			
Gained or lost				171,242				Gallons Collected				
Total Gallons Collected				464,340				per acre / per day	2,140			

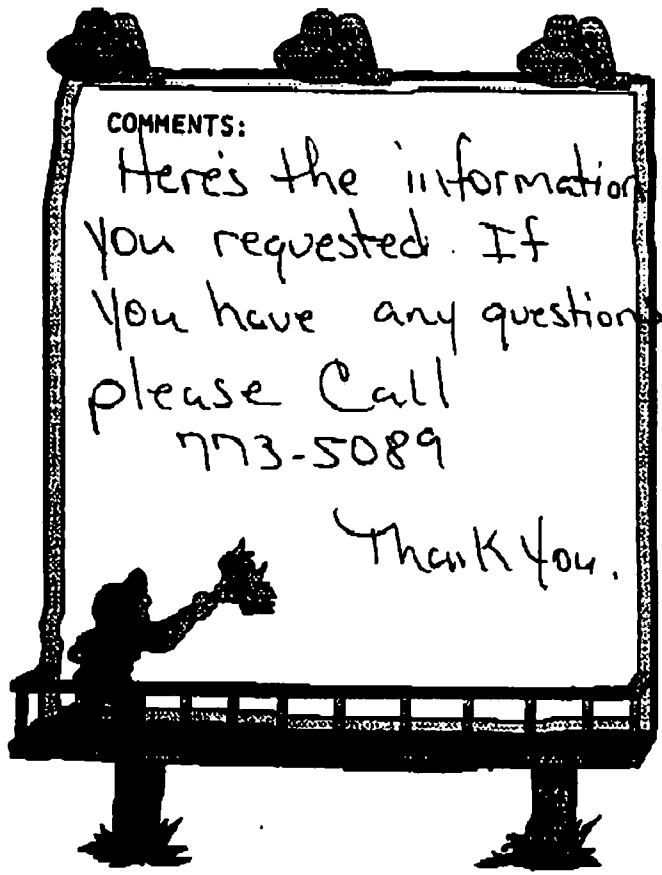
# FAX TRANSMITTAL

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HARDEE COUNTY  
SOLID WASTE DEPARTMENT  
MATERIAL RECOVERY FACILITY  
P.O. BOX 246 / 685 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

DATE: 10/19/99

TO:	DEP
FROM:	Janice Williamson
COPIES TO:	Kim Ford
SUBJECT:	Water Quantities
FAX NUMBER:	813-744-6125
NUMBER OF PAGES: (Including this sheet)	2



PLEASE DELIVER THESE PAGES TO THE INDIVIDUAL NAMED ABOVE. IF YOU HAVE ANY DIFFICULTY RECEIVING THIS TRANSMISSION OR IF PAGES ARE MISSING OR ILLEGIBLE, PLEASE CALL (941) 773-5089 AND SPEAK WITH JANICE.



HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
6/1/88	89	8	89	1.5	285,075	79.95	1,074,408	0	n/a	0	23,800	0
6/2/88	84	8	82	0	0	79.9	1,061,043	105,482	7.00%	7,382	23,800	0
6/3/88	85	10	80	0	0	79.92	1,039,894	105,482	10.00%	10,548	23,800	0
6/4/88	81	6	82	0	0	79.87	1,000,655	105,482	8.00%	8,328	23,800	0
6/5/88	84	15	80	0	0	79.6	982,529	22,902	15.00%	3,435		0
6/6/88												0
6/7/88												0
6/8/88	85	10	82	1	190,050	79.51	958,475					0
6/8/88	84	8	80	0	0	78.37	824,057	22,902	8.00%	1,774		0
6/10/88	86	5	86	0	0	78.37	824,057	22,902				0
6/11/88								22,902				0
6/12/88	85	5	85	0	0	79.39	929,089	22,902	5.00%	1,145		0
6/13/88	83	3	50	0	0	79.35	919,048	22,902	8.00%	2,091		0
6/14/88												0
6/15/88	88	10	80	0	0	79.35	919,048	22,902	8.00%	1,832		0
6/16/88	88	10	80	0	0	79.28	896,904	22,902	13.00%	2,877		0
6/17/88												0
6/18/88												0
6/18/88	85	15	80	0	0	78.01	835,438					0
6/20/88	86	5	85	0	0	78.97	825,639					0
6/21/88												0
6/22/88	86	4	86	1.1	208,055	79.17	874,388	105,482	8.00%	8,328	23,800	0
6/23/88	85	3	80	0	0	78.99	830,624	105,482	5.00%	5,273		0
6/24/88	86	3	88	0	0	78.92	813,579	105,482	5.00%	5,273	23,800	0
6/25/88	85	10	88	0.2	38,010	78.78	780,990	105,482	9.00%	8,482	23,800	0
6/26/88	84	3	86	0	0	78.87	788,909	105,482	5.00%	5,273	23,800	0
6/27/88	83	3	87	0	0	78.49	700,921	105,482	5.00%	5,273	23,800	0
6/28/88												0
6/29/88												0
6/30/88	86	8	67	0.3	57,015	78.41	693,452	105,482	8.00%	8,328	18,048	0
TOTAL	N/A	N/A	N/A	4.1	778,205	N/A	886,452	1,257,858	N/A	88,520	238,248	0
Previous Gallons Stored					977,408							
Current Gallons Stored					699,452			Total Landfill Acres	14			
Gallons Lost					298,954			Closed	0			
								Opened	7			
Treatment					238,248			Intermediate Cover	7			
Evaporation					88,320							
Gained or Lost					298,954			Gallons Collected				
								per acre/per day	155			
Total Gallons Collected					32,808							

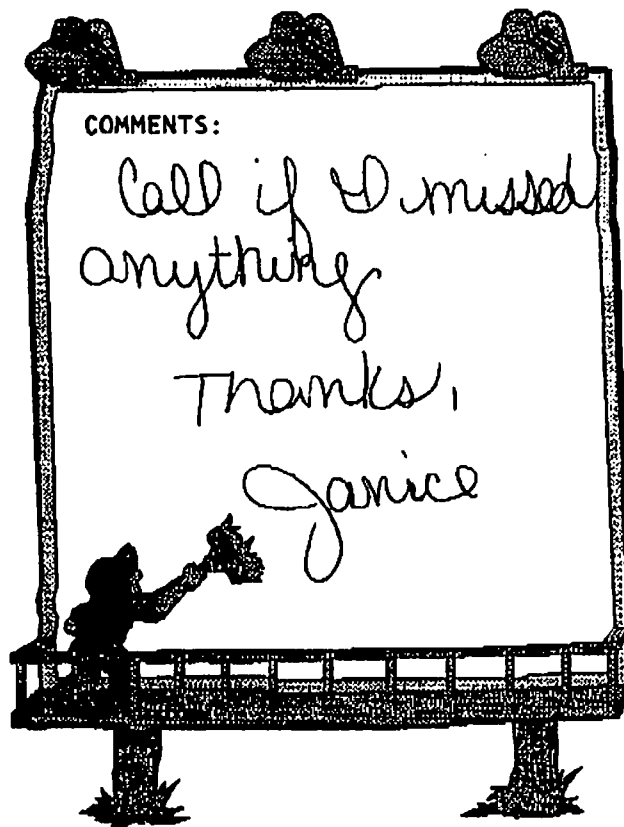
# FAX TRANSMITTAL

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HARDEE COUNTY  
SOLID WASTE DEPARTMENT  
MATERIAL RECOVERY FACILITY  
P.O. BOX 248 / 885 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

DATE: 6/23/98

TO: <i>Kim Ford</i>
FROM: <i>Janice</i>
COPIES TO: <i>—</i>
SUBJECT: <i>Water Balances</i>
FAX NUMBER: <i>813-744-6125</i>
NUMBER OF PAGES: (Including this sheet) <i>8</i>



PLEASE DELIVER THESE PAGES TO THE INDIVIDUAL NAMED ABOVE. IF YOU HAVE ANY DIFFICULTY RECEIVING THIS TRANSMISSION OR IF PAGES ARE MISSING OR ILLEGIBLE, PLEASE CALL (941) 773-5089 AND SPEAK WITH JANICE.

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997-98 WATER BALANCE SUMMARY

MONTH	RAIN FALL INCHES	PREVIOUS GALLONS STORED	CURRENT GALLONS STORED	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPEN ACRES	GALLONS COLLECTED PER ACRE/PER DAY
Jan-98	✓ 6.1	1,464,349	1,463,358	73,824	660,474	733,307	7	3,379
Feb-98	✓ 10.1	1,463,358	1,532,728	61,460	718,938	849,768	7	4,047
Mar-98	✓ 10.7	1,532,728	1,503,989	14,314	1,204,280	1,189,855	7	5,483
Apr-98	✓ 3.1	1,503,989	1,266,131	45,184	499,800	309,128	7	1,426
May-98	✓ 2	1,266,131	977,406	118,885	588,440	394,600	7	1,818
Jun-98	0	977,406	-	-	-	-	-	-
Jul-98	0	-	-	-	-	-	-	-
Aug-98	0	-	-	-	-	-	-	-
Sep-98	0	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>56.7</b>	<b>N/A</b>	<b>N/A</b>	<b>828,893</b>	<b>5,289,932</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>



HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
4/1/88	75	5	76	0	0	83.97	1,481,196	22,902	6.00%	1,374	23,800	0
4/2/88	84	6	95	0	0	83.86	1,470,295	0	D N/A	0	23,800	0
4/3/88	75	5	74	0	0	83.79	1,463,358	0	D N/A	0	23,800	0
4/4/88	83	6	90	0	0	83.72	1,458,421	0	D N/A	0	4,760	0
4/5/88	70	10	58	0	0	83.71	1,455,430	22,902	10.00%	2,290	23,800	0
4/6/88	76	6	54	0	0	83.53	1,437,592	22,902	8.50%	1,947	23,800	0
4/7/88	75	5	65	0	0	83.42	1,428,691	22,902	6.00%	1,832	23,800	0
4/8/88	80	14	88	0	0	83.28	1,410,835	22,902	10.00%	2,290	23,800	0
4/9/88	74	5	88	0	0	83.16	1,400,925	22,902	5.30%	1,214	23,800	0
4/10/88	80	4	78	0	0	83.04	1,389,033	22,902	5.50%	1,260	0	0
4/11/88	75	14	60	0	0	82.92	1,377,141	22,902	14.00%	3,206	0	0
4/12/88											0	0
4/13/88	78	7	68	0	0	82.81	1,366,240	22,902	6.00%	1,832	23,800	0
4/14/88	78	13	65	0	0	82.69	1,354,348	22,902	13.00%	2,977	23,800	0
4/15/88	82	12	70	0	0	82.58	1,343,447	22,902	11.00%	2,518	23,800	0
4/16/88	84	8	65	0	0	82.4	1,325,808	22,902	6.00%	1,374	23,800	0
4/17/88	88	10	75	0	0	82.3	1,315,699	22,902	10.00%	2,290	23,800	0
4/18/88	91	6	84	0	0	82.19	1,304,798	22,902	6.50%	1,489	19,040	0
4/19/88											0	0
4/20/88	82	6	72	0.8	152,040	82.11	1,298,870	22,902	7.00%	1,903	0	0
4/21/88	75	8	98	2.1	389,105	82.4	1,325,889	0	D N/A	0	23,800	0
4/22/88											0	0
4/23/88	75	10	48	0	0	82.48	1,333,537	22,902	13.00%	2,977	23,800	0
4/24/88	76	11	54	0	0	82.26	1,311,735	22,902	13.00%	2,977	23,800	0
4/25/88	82	8	48	0	0	82.18	1,303,807	22,902	15.00%	3,436	23,800	0
4/26/88											0	0
4/27/88	85	4	79	0	0	82.24	1,308,753	22,902	6.00%	1,374	0	0
4/28/88	88	5	88	0	0	82.04	1,288,833	22,902	5.50%	1,260	23,800	0
4/29/88	89	12	69	0	0	81.89	1,275,066	22,902	6.00%	2,061	23,800	0
4/30/88	83	9	95	0.2	38,010	81.82	1,288,131	22,902	7.00%	1,903	23,800	0
TOTAL				3.1	589,155		1,288,131			45,184	489,800	0
Previous Gallons Stored					1,503,989							
Current Gallons Stored					1,288,131							
Gallons Lost					235,858			Total Landfill Acres	14			
								Closed	0			
								Opened	7			
								Intermediate Cover	7			
Treatment					499,800							
Evaporation					45,184							
Gained or Lost					235,858			Gallons Collected				
								per acre/per day	1,425			
Total Gallons Collected					309,126							

MONTHLY WATER BALANCES 87-88  
APRIL 88

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR	WIND	HUMIDITY	RAIN	RAIN	STAFF	ESTIMATED	GALLONS PUMPED	EVAPORATION	GALLONS	GALLONS	OTHER
	TEMP.	SPEED	FALL	FALL	GAUGE	GALLONS	GALLONS	THROUGH SPRAY	RATE	EVAPORATED	SENT TO	TREATMENT
	M.P.H.	INCHES	GALLONS	GALLONS		STORED	FIELD					
3/1/87	80	6	88	0.6	114,030	84.91	1,514,880	0	n/a	0	23,800	0
3/2/87	67	12	54	0	0	84.28	1,511,817	0	n/a	0	47,800	0
3/3/87	67	15	68	0	0	84.18	1,502,007	0	n/a	0	47,800	0
3/4/87	69	10	49	0	0	84.08	1,490,115	0	n/a	0	47,800	0
3/5/87	78	10	68	0	0	83.92	1,476,241	0	n/a	0	47,800	0
3/6/87	82	9	73	0	0	83.83	1,467,322	0	n/a	0	47,800	0
3/7/87	82	15	74	0	0	83.71	1,455,430	0	n/a	0	47,800	0
3/8/87	78	15	98	0	0	83.59	1,443,538	0	n/a	0	33,320	0
3/9/87	75	10	84	1.3	247,065	83.78	1,462,357	0	n/a	0	47,800	0
3/10/87	65	10	56	0	0	83.69	1,447,502	0	n/a	0	23,800	0
3/11/87	56	12	42	0	0	83.58	1,442,547	0	n/a	0	47,800	0
3/12/87	60	5	45	0	0	83.58	1,442,547	0	n/a	0	23,800	0
3/13/87	67	10	47	0	0	83.48	1,432,637	0	n/a	0	47,800	0
3/14/87	65	5	45	0	0	83.41	1,425,700	0	n/a	0	47,800	0
3/15/87	70	10	45	0	0	83.28	1,412,817	0	n/a	0	47,800	0
3/16/87	78	15	64	0	0	83.12	1,396,881	0	n/a	0	47,800	0
3/17/87	80	13	68	0	0	83.03	1,388,042	0	n/a	0	23,800	0
3/18/87	80	15	88	0	0	82.93	1,378,132	0	n/a	0	52,380	0
3/19/87	87	5	93	5.0	990,250	83.84	1,468,313	0	n/a	0	47,800	0
3/20/87	77	10	94	3.8	722,190	85.09	1,592,188	0	n/a	0	47,800	0
3/21/87	68	14	74	0	0	85.29	1,612,008	0	n/a	0	47,800	0
3/22/87	65	13	45	0	0	85.19	1,602,298	0	n/a	0	47,800	0
3/23/87	65	13	35	0	0	85.06	1,591,187	0	n/a	0	47,800	0
3/24/87	78	7	58	0	0	84.97	1,580,288	0	n/a	0	47,800	0
3/25/87	70	13	45	0	0	84.83	1,568,422	22,902	13.00%	2,877	23,800	0
3/26/87	70	10	47	0	0	84.75	1,556,484	22,902	13.50%	3,082	23,800	0
3/27/87	65	13	50	0	0	84.64	1,547,593	22,902	10.00%	2,280	23,800	0
3/28/87	63	8	54	0	0	84.54	1,537,683	22,902	7.50%	1,718	-	0
3/29/87	64	8	78	0	0	84.34	1,517,683	22,902	5.50%	1,280	47,800	0
3/30/87	63	3	67	0	0	84.30	1,513,888	22,902	13.00%	2,877	47,800	0
3/31/87	62	15	78	0	0	84.2	1,503,888	22,902	13.00%	2,877	47,800	0
TOTAL				10.7	2,033,835					14,314	1,204,280	0
Previous Gallons Stored			1,532,728					Total Landfill Acres	14			
Current Gallons Stored			1,503,888					Closed	0			
Gallons Lost			28,739					Opened	7			
Treatment			1,204,280					Intermediate Cover	7			
Evaporation			14,314					Gallons Collected				
Gained or Lost			28,739					per acre/per day	5.483			
Total Gallons Collected			1,189,855									

MONTHLY WATER BALANCES 87-88  
MARCH 88



HARDEE COUNTY SOLID WASTE DEPARTMENT  
MONTHLY WATER BALANCE

PAGE 03

HARDEE COUNTY S.W.

9417733907

01/16/1994 05:30

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF FAUGE	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
1/1/88				0	0	0	0	0	n/a	0	0	0
1/2/88	75	8	83	0	0	83.51	1,464,349	0	n/a	0	0	0
1/3/88	76	5	79	0	0	83.51	1,464,349	0	n/a	0	0	0
1/4/88				0	0	0	0	0	n/a	0	0	0
1/5/88				0	0	0	0	0	n/a	0	0	0
1/6/88	75	9	83	0	0	83.41	1,455,430	105,462	8.00%	8,437	6,720	0
1/7/88	82	10	85	0	0	83.36	1,450,475	105,462	8.00%	8,437	17,855	0
1/8/88	75	10	100	0.9	171,045	83.26	1,440,565	0	n/a	0	35,588	0
1/9/88	70	6	88	0	0	83.20	1,434,619	0	n/a	0	23,732	0
1/10/88	68	8	84	0	0	83.10	1,424,709	0	n/a	0	0	0
1/11/88				0	0	0	0	0	n/a	0	0	0
1/12/88	73	8	84	0	0	83.22	1,436,801	105,462	5.90%	6,222	16,668	0
1/13/88	71	5	74	0	0	83.14	1,428,873	105,462	8.00%	8,328	17,789	0
1/14/88	74	4	85	0	0	83.11	1,425,700	105,462	4.70%	4,857	25,833	0
1/15/88	72	8	90	2.0	360,100	83.05	1,419,754	0	n/a	0	35,588	0
1/16/88	69	12	60	0	0	83.58	1,469,304	0	n/a	0	35,588	0
1/17/88	66	4	63	0	0	83.48	1,461,378	0	n/a	0	0	0
1/18/88				0	0	0	0	0	n/a	0	35,588	0
1/19/88	71	8	80	0	0	83.43	1,457,412	0	n/a	0	35,588	0
1/20/88	68	8	89	0	0	83.33	1,447,502	105,462	8.00%	8,437	35,588	0
1/21/88	68	5	89	0	0	83.28	1,442,647	105,462	5.00%	5,273	23,732	0
1/22/88	73	12	84	0	0	83.18	1,432,637	105,462	8.10%	8,597	35,588	0
1/23/88	74	8	100	3.0	570,150	83.18	1,432,637	0	n/a	0	23,732	0
1/24/88	67	12	88	0.2	36,010	84.02	1,815,881	0	n/a	0	35,588	0
1/25/88				0	0	0	0	0	n/a	0	0	0
1/26/88	68	6	86	0	0	83.97	1,510,926	0	n/a	0	23,732	0
1/27/88	72	12	84	0	0	83.92	1,505,971	0	n/a	0	35,588	0
1/28/88	65	14	44	0	0	83.84	1,498,043	0	n/a	0	29,685	0
1/29/88	70	5	49	0	0	83.71	1,485,160	105,462	7.30%	7,698	35,588	0
1/30/88	68	8	63	0	0	83.63	1,477,293	0	n/a	0	35,588	0
1/31/88	68	7	55	0	0	83.48	1,463,358	105,462	8.00%	8,437	35,588	0
<b>TOTAL</b>				<b>6.1</b>	<b>1,168,305</b>					<b>78,824</b>	<b>668,474</b>	<b>0</b>
Previous Gallons Stored				1,464,349								
Current Gallons Stored				1,463,358								
Gallons Lost				891								
Treatment				668,474								
Evaporation				73,824								
Gained or Lost				891								
Total Gallons Collected				733,307								
Total Landfill Acres								14				
Closed										0		
Opened										7		
Intermediate Cover										7		
Gallons Collected per acre/per day											3,379	





685 Airport Road  
Wauchula, FL 33873  
(941)773-5089  
Fax (941) 773-3907

38414  
188022

# Hardee County Solid Waste Department

October 23, 1998

10/27

Department of Environmental Protections  
Attention: Susan Pelz  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RECEIVED  
OCT 26 1998  
D E P

Dear Susan:

Kim

Enclosed are the following items for your perusal:

1. Waste Tire Processing Facility Quarterly Report
2. Quarterly Methane Testing
3. Quarterly Water Balances and Annual Summary

Please see that Kim Ford receives a copy of the water balances. Should you have any questions or comments please contact me.

Thank you,

*Janice Williamson*

Janice Williamson  
Executive Secretary/Recycling Coordinator

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997-98 WATER BALANCE SUMMARY

MONTH	RAIN FALL INCHES	PREVIOUS GALLONS STORED	CURRENT GALLONS STORED	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPEN ACRES	GALLONS COLLECTED PER ACRE/PER DAY
Oct-97	2.8	1,122,454	869,486	270,088	655,000	662,214	7	3,052
Nov-97	11.3	869,486	1,236,419	134,883	585,000	1,086,816	7	5,175
Dec-97	10.6	1,236,419	1,464,349	111,255	400,000	739,185	7	3,406
Jan-98	6.1	1,464,349	1,463,358	73,824	660,474	733,307	7	3,379
Feb-98	10.1	1,463,358	1,532,728	61,460	718,938	849,768	7	4,047
Mar-98	10.7	1,532,728	1,503,989	14,314	1,204,280	1,189,855	7	5,483
Apr-98	3.1	1,503,989	1,268,131	45,184	499,800	309,126	7	1,425
May-98	2	1,268,131	977,406	118,885	566,440	394,600	7	1,818
Jun-98	4.1	977,406	696,452	80,320	233,240	32,606	7	155
Jul-98	5.1	696,452	493,689	145,537	342,720	285,494	7	1,316
Aug-98	8.2	493,689	452,237	147,646	390,320	496,514	7	2,288
Sep-98	11.1	452,237	1,168,040	27,420	371,280	1,114,503	7	5,307
TOTAL OR AVERAGE	85.2 7.1			1,230,817	6,627,492	657,832	7	3,071



HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCES

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
8/1/98	90	4	65	0	0	77.24	457,822	105,462	7.00%	7,382	0	0
8/2/98											0	0
8/3/98	88	3	84	0.8	152,040	77.41	489,842	105,462	5.00%	5,273	14,280	0
8/4/98	92	5	83	0	0	77.31	470,886	105,462	6.00%	6,328	0	0
8/5/98	91	3	64	0	0	77.21	452,237	105,462	7.00%	7,382	0	0
8/6/98	89	4	88	0.3	57,015	77.11	433,895	105,462	5.00%	5,273	14,280	0
8/7/98				1.5	285,075						0	0
8/8/98	90	4	87	1	190,050	77.24	457,822	0	n/a	-	23,800	0
8/9/98											0	0
8/10/98	94	4	84	1.6	304,080	77.69	544,563	0	n/a	-	23,800	0
8/11/98	92	5	84	0	0	77.67	538,606	105,462	6.00%	6,328	23,800	0
8/12/98	95	4	88	0	0	77.52	511,061	105,462	5.00%	5,273	23,800	0
8/13/98	95	6	79	0	0	77.41	489,842	105,462	8.00%	8,437	23,800	0
8/14/98	93	4	86	0	0	77.41	489,842	105,462	5.00%	5,273	0	0
8/15/98	90	4	87	1.2	228,060	77.57	520,832	0	n/a	-	0	0
8/16/98											0	0
8/17/98	92	8	79	0.2	38,010	77.67	540,591	105,462	9.00%	9,492	19,040	0
8/18/98	93	5	86	0	0	77.61	528,680	105,462	6.00%	6,328	23,800	0
8/19/98	93	6	79	0.6	114,030	77.51	509,107	105,462	8.00%	8,437	23,800	0
8/20/98	82	13	83	0.5	95,025	77.49	509,107	105,462	9.00%	9,492	23,800	0
8/21/98	78	6	84	0.3	57,015	77.44	495,613	105,462	6.00%	6,328	23,800	0
8/22/98	90	4	86	0	0	77.41	489,842	105,462	5.00%	5,273	14,280	0
8/23/98											0	0
8/24/98	90	8	80	0	0	77.51	509,107	105,462	9.00%	9,492	23,800	0
8/25/98	92	10	84	0	0	77.39	486,026	105,462	8.00%	8,437	23,800	0
8/26/98	92	9	79	0	0	77.29	467,131	105,462	9.00%	9,492	23,800	0
8/27/98											0	0
8/28/98	89	6	79	0.2	38,010	77.27	463,408	105,462	6.00%	6,328	0	0
8/29/98	90	4	83	0	0	77.26	461,546	105,462	5.00%	5,273	23,800	0
8/30/98											0	0
8/31/98	92	4	79	0	0	77.21	452,237	105,462	6.00%	6,328	19,040	0
<b>TOTAL</b>		<b>n/a</b>	<b>n/a</b>	<b>8.2</b>	<b>1558410</b>	<b>n/a</b>	<b>452,237</b>	<b>2,214,702</b>	<b>n/a</b>	<b>147,646</b>	<b>390,320</b>	<b>0</b>
Previous Gallons Stored				493,689								
Current Gallons Stored				452,237				Total Landfill Acres	14			
Gallons Lost				41,452				Closed	0			
								Opened	7			
Treatment				390,320				Intermediate Cover	7			
Evaporation				147,646				Gallons Collected				
Gained or Lost				41,452				per acre/per day	2,288			
Total Gallons Collected				496,514								



HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN FALL INCHES	PREVIOUS GALLONS	CURRENT GALLONS	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPEN ACRES	GALLONS COLLECTED PER ACRE/PER DAY
Jan-97	2.7	327,002	115,629	270,582	295,000	353,641	7	1,630
Feb-97	1.1	115,629	130,112	151,116	45,000	210,599	7	1,074
Mar-97	3.1	130,112	111,698	164,621	225,000	384,310	7	1,771
Apr-97	10.3	111,698	736,957	134,254	335,000	1,081,410	7	5,150
May-97	4.3	736,957	507,153	142,062	370,000	282,258	7	1,300
Jun-97	6.4	507,153	739,223	158,930	320,000	716,000	7	3,409
Jul-97	9.4	739,223	1,127,409	147,753	665,000	1,815,361	7	4,440
Aug-97	7.5	1,127,409	1,122,454	150,328	735,000	880,373	7	4,057
✓ Sep-97	✓ 7.3	1,122,454	1,132,364	129,402	725,000	864,312	7	3,704
✓ Oct-97	✓ 2.8	1,122,454	869,486	270,088	655,000	925,092	7	4,263
✓ Nov-97	✓ 11.3	869,486	1,236,419	134,883	585,000	1,086,816	7	5,175
✓ Dec-97	✓ 10.6	1,236,419	1,464,349	111,255	400,000	739,185	7	3,406
<b>TOTAL</b>	<b>76.8</b>	<b>n/a</b>	<b>n/a</b>	<b>1,965,274</b>	<b>5,355,000</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>
Monthly Average	6.4	768,833	774,438	163,773	446,250	778,280	7	3,282

Lbb1  
1997

Susan  
Allison

HARDY COUNTY LE  
I AM MISSING :

SEPT '96 LEACHURE DATA  
AND  
SEPT OCT NOV '97 LEACHURE DATA  
AND 1997 ANNUAL SUMMARY

ALSO WHERE THE  
1996 & 1997 GRADIENT DATA?

IF YOU HAVE PLZ ADVISE

thy  
EM  
1/23/98

Proj 188022 WT  
38414 CI

685 Airport Road  
Wauchula, FL 33873  
(941)773-5089  
Fax (941) 773-3907

# Hardee County Solid Waste Department

January 9, 1998

Department of Environmental Protections  
Attention: Susan Pelz J 1/20  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, FL 33873

**RECEIVED**  
JAN 12 1998  
Department of Environmental Protection  
SOUTHWEST DISTRICT

Dear Susan:

Submitted for your review are the 1

Did you get/need a copy of this? 1/20 J

- Monthly Water Balance for Decem
- Quarterly Waste Tire
- Annual Waste Tire
- Annual Wood and Yard Waste

Please feel free to contact me should you have any questions or comments.

Sincerely,

*Janice Williamson*

Janice Williamson  
Executive Secretary/Recycling Coordinator



Printed on recycled paper

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Hardee County Solid Waste Department  
Monthly Water Balance

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL	RAIN FALL INCHES	STAFF FAUGE GALLONS	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
12/1/97				0.4	76,020						0	0
12/2/97	70	4	61	0	0	81.5	1,236,419	105,462	7.00%	7,382	30000	0
12/3/97	72	14	60	0	0	81.4	1,226,509	105,462	14.00%	14,784	30000	0
12/4/97	67	8	100	1.4	268,070	81.6	1,246,329	0	N/A	0	30000	0
12/5/97	65	12	54	0	0	81.65	1,281,014	105,462	10.00%	10,548	30000	0
12/6/97	56	12	42	0	0	81.6	1,276,059	0	N/A	0	30000	0
12/7/97				0	0			0	N/A	0	0	0
12/8/97	56	8	43	0	0	81.62	1,278,091	105,462	8.00%	8,436	0	0
12/9/97	72	6	85	0	0	81.65	1,281,014	105,462	5.00%	5,273	0	0
12/10/97	75	9	98	0	0	81.7	1,285,964	105,462	7.00%	7,382	30000	0
12/11/97	73	9	80	0	0	81.6	1,276,059	105,462	7.50%	7,909	35000	0
12/12/97	68	10	100	0.6	114,030	81.5	1,236,419	105,462	6.50%	6,855	30000	0
12/13/97	62	6	100	3	570,150	82.4	1,355,339	0	N/A	0	0	0
12/14/97				0	0			0	N/A	0	0	0
12/15/97	54	12	80	2.5	475,125	83.3	1,444,527	0	N/A	0	35000	0
12/16/97	65	12	56	0	0	83.2	1,434,619	0	N/A	0	35000	0
12/17/97	68	7	69	0	0	83.15	1,429,664	105,462	8.00%	8,436	25000	0
12/18/97	70	4	79	0	0	83	1,414,799	105,462	5.50%	5,800	25000	0
12/19/97	75	4	63	0	0	82.9	1,404,889	105,462	6.00%	6,327	0	0
12/20/97	76	3	56	0	0	82.85	1,399,934	105,462	6.00%	6,327	35000	0
12/21/97				0	0			0	N/A	0	0	0
12/22/97	75	10	85	0	0	82.75	1,340,024	105,462	8.00%	8,436	0	0
12/23/97	72	8	86	0	0	82.7	1,385,069	105,462	7.00%	7,382	0	0
12/24/97											0	0
12/25/97											0	0
12/26/97											0	0
12/27/97	70	14	100	2.5	475,125	83.46	1,459,394	0	N/A	0	0	0
12/28/97											0	0
12/29/97	55	10	54	0.2	38,010	83.51	1,464,349	0	N/A	0	0	0
12/30/97	57	6	65	0	0	83.51	1,464,349	0	N/A	0	0	0
12/31/97	65	3	75	0	0	83.51	1,464,349	0	N/A	0	0	0
<b>TOTAL</b>				✓ 10.6	2,014,530					111,255	400000	0
	Current Gallons Stored			1,464,349								
	Previous Gallons Stored			1,236,419								
	Gallons Gained			227,930		Total Landfill Acres		14				
						Closed		0				
						Opened		7				
	Treatment			400,000		Intermediate Cover		7				
	Evaporation			111,255								
	Gained or Lost			227,930		Gallons Collected						
						per acre/per day		3,406				
	Total Gallons Collected			739,185								

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
11/1/97	78	10	82	0	0	79.10	857,236	105,462	8.00%	8,437	30,000	0
11/2/97	---	---	---	1.3	247,065	---	---	N/A	N/A	---	---	---
11/3/97	78	4	54	0	0	79.50	956,913	105,462	8.10%	8,542	30,000	0
11/4/97	74	3	66	0	0	79.40	931,575	105,462	5.40%	5,695	30,000	0
11/5/97	76	12	69	0	0	79.35	919,046	105,462	12.00%	12,655	30,000	0
11/6/97	80	5	68	0	0	79.25	894,126	105,462	7.50%	7,910	35,000	0
11/7/97	78	6	98	0.3	57,015	79.20	881,736	105,462	5.10%	5,378	30,000	0
11/8/97	77	6	57	0	0	79.23	889,170	105,462	8.00%	8,437	0	0
11/9/97	---	---	---	---	---	---	---	---	---	---	---	---
11/10/97	78	3	63	0	0	79.20	881,736	105,462	5.50%	5,800	35,000	0
11/11/97	---	---	---	---	---	---	---	---	---	---	---	---
11/12/97	78	4	78	0	0	79.10	857,236	105,462	5.30%	5,589	30,000	0
11/13/97	73	6	100	8.5	1,615,425	79.00	833,016	N/A	N/A	0	30,000	0
11/14/97	74	7	100	0.5	95,025	82.30	1,329,573	N/A	N/A	0	5,000	0
11/15/97	78	8	64	0	0	82.30	1,329,573	N/A	N/A	0	35,000	0
11/16/97	---	---	---	---	---	---	---	---	---	---	---	---
11/17/97	65	10	40	0	0	82.25	1,310,744	105,462	12.00%	12,655	35,000	0
11/18/97	74	4	64	0	0	82.15	1,300,834	105,462	5.80%	6,117	35,000	0
11/19/97	78	4	67	0	0	82.00	1,285,969	105,462	5.90%	6,222	30,000	0
11/20/97	78	3	61	0	0	81.90	1,276,059	105,462	5.30%	5,589	0	0
11/21/97	81	4	75	0	0	81.85	1,271,104	105,462	5.60%	5,906	15,000	0
11/22/97	80	3	87	0.5	95,025	81.80	1,303,807	N/A	N/A	0	20,000	0
11/23/97	---	---	---	---	---	---	---	---	---	---	---	---
11/24/97	66	7	56	0.2	38,010	81.85	1,271,104	105,462	8.00%	8,437	30,000	0
11/25/97	71	9	60	0	0	81.75	1,261,194	105,462	9.50%	10,019	35,000	0
11/26/97	71	4	64	0	0	81.65	1,251,284	105,462	5.90%	6,222	30,000	0
11/27/97	---	---	---	---	---	---	---	---	---	---	---	---
11/28/97	---	---	---	---	---	---	---	---	---	---	---	---
11/29/97	79	4	84	0	0	81.50	1,236,419	105,462	5.00%	5,273	35,000	0
11/30/97	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	11.3	2,147,565	---	---	---	---	134,883	585,000	0
Current Gallons Stored				1,236,419					Total Landfill Acres	14		
Previous Gallons Stored				869,486					Closed	0		
Gallons Gained				366,993					Opened	7		
Treatment				585,000					Intermediate Cover	7		
Evaporation Gained				134,883					Gallons Collected per acre / per pay	5.175		
Total Gallons Collected				1,086,816								

HARDEE COUNTY SOLID WASTE DEPARTMENT  
MONTHLY WATER BALANCE

PAGE 02

HARDEE COUNTY S.W.

9417733907

01/16/1994 05:30

DATE	AIR	WIND	HUMIDITY	RAIN	RAIN	STAFF	ESTIMATED	GALLONS PUMPED	EVAPORATION	GALLONS	GALLONS	OTHER
	TEMP.	SPEED		FALL	FALL	GAUGE	GALLONS	THROUGH	RATE	EVAPORATED	SENT TO	
		M.P.H.		INCHES	GALLONS	ELEVATION	STORED	SPRAY FIELD			TREATMENT	
10/1/87	80	3	88	0	0	80.30	1,117,469	105,482	4.80%	5,167.64	35,000	0
10/2/87	89	4	76	0	0	80.15	1,102,634	105,482	5.80%	6,222.28	35,000	0
10/3/87	86	4	67	0.4	76,020	80.10	1,067,679	105,482	7.10%	7,467.80	35,000	0
10/4/87	89	8	79	0	0	79.90	1,061,043	105,482	6.50%	6,864.27	30,000	0
10/5/87				0	0							0
10/8/87	89	12	48	0	0	79.95	1,074,408	105,482	18.00%	18,983.16	30,000	0
10/7/87	89	8	54	0	0	79.85	1,047,819	105,482	14.00%	14,764.68	35,000	0
10/8/87	87	19	45	0	0	79.70	1,008,423	105,482	20.00%	21,082.40	35,000	0
10/9/87	87	15	60	0	0	79.50	958,813	105,482	18.00%	18,983.16	35,000	0
10/10/87	88	8	54	0	0	79.40	931,575	105,482	11.00%	11,600.82	35,000	0
10/11/87	87	9	49	0	0	79.30	906,516	105,482	15.00%	15,819.30	15,000	0
10/12/87				0	0							0
10/13/87	87	8	64	0	0	79.30	906,516	105,482	10.00%	10,549.20	-	0
10/14/87	87	4	54	0	0	79.25	894,126	105,482	8.20%	6,847.89	-	0
10/15/87	89	7	58	0	0	79.25	894,126	105,482	11.00%	11,600.82	-	0
10/16/87	87	4	68	0	0	79.20	881,736	105,482	7.00%	7,382.34	-	0
10/17/87	83	3	78	0	0	79.15	868,488	105,482	4.80%	5,167.64	15,000	0
10/18/87	82	3	78	0.2	38,010	79.10	857,236	105,482	5.00%	5,273.10	35,000	0
10/18/87				0	0							0
10/20/87	78	3	45	0	0	79.25	894,126	105,482	7.50%	7,908.85	35,000	0
10/21/87	79	4	49	0	0	79.15		105,482	8.00%	8,436.96	30,000	0
10/22/87	78	12	58	0	0	79.00	833,018	105,482	15.10%	15,924.78	30,000	0
10/23/87	80	10	67	0	0	78.85	821,055	105,482	12.00%	12,655.44	35,000	0
10/24/87	81	11	67	0	0	78.90	809,094	105,482	11.00%	11,600.82	30,000	0
10/25/87	80	5	65	0	0	78.95	821,055	105,482	8.40%	8,749.57	-	0
10/26/87				0	0							0
10/27/87	76	8	100	2.0	380,100	79.00	533,018	105,482	5.70%	6,011.33	30,000	0
10/28/87	78	4	84	0	0	79.35	919,048	105,482	6.20%	6,538.64	20,000	0
10/28/87				0	0							0
10/29/87	75	4	65	0	0	79.30	808,518	105,482	5.80%	6,116.80	10,000	0
10/30/87	78	4	60	0	0	79.25	894,128	105,482	5.00%	5,273.10	30,000	0
10/31/87	75	5	65	0.2	39,010	79.15	868,488	105,482	4.80%	5,167.64	35,000	0
TOTAL				2.8	832,140					270,098.18	665,800	0
Previous Gallons Stored				1,132,384								
Current Gallons Stored				868,488								
Gallons Lost				282,878				Total Landfill Acres	14			
								Closed	0			
								Opened	7			
								Intermediate Cover	7			
Treatment				665,000								
Evaporation				270,092								
Gained or Lost				282,878				Gallons Collected				
								per acre per day	3.052			
Total Gallons Collected				662,214								

MONTHLY WATER BALANCES 97-98  
OCTOBER 87

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTH.
9/1/97	--	--	--	--	--	--	--	--	--	--	--	--
9/2/97	90	6	88	0.3	57,015	80.40	1,127,409	105,462	6.00%	6,328	35,000	0
9/3/97	88	8	72	0	0	80.29	1,116,508	105,462	6.80%	7,171	35,000	0
9/4/97	87	6	88	0.7	133,035	80.30	1,117,499	N/A	N/A	0	35,000	0
9/5/97	88	12	76	0.3	57,015	80.30	1,117,499	105,462	8.90%	9,386	35,000	0
9/6/97	89	3	78	0	0	80.25	1,112,544	105,462	5.10%	5,379	10,000	0
9/7/97	--	--	--	--	--	--	--	--	--	--	--	--
9/8/97	90	3	76	0	0	80.25	1,112,544	105,462	5.50%	5,800	35,000	0
9/9/97	90	4	76	0	0	80.10	1,097,679	105,462	6.00%	6,328	35,000	0
9/10/97	90	4	67	0	0	79.95	1,074,406	105,462	7.80%	8,226	35,000	0
9/11/97	90	3	84	0	0	79.80	1,034,594	105,462	4.80%	5,062	35,000	0
9/12/97	90	4	86	0	0	79.65	995,476	105,462	5.20%	5,484	35,000	0
9/13/97	90	3	84	0.3	57,015	79.50	956,913	105,462	5.00%	5,273	35,000	0
9/14/97	--	--	--	--	--	--	--	--	--	--	--	--
9/15/97	89	4	90	0	0	79.50	956,913	105,462	5.00%	5,273	30,000	0
9/16/97	90	3	84	0	0	79.40	931,575	105,462	4.80%	5,062	0	0
9/17/97	90	3	84	0	0	79.37	924,057	105,462	4.90%	5,168	35,000	0
9/18/97	90	4	86	0.3	57,015	79.34	916,540	105,462	5.00%	5,273	35,000	0
9/19/97	91	3	87	0	0	79.30	906,516	105,462	4.70%	4,957	35,000	0
9/20/97	91	4	86	0	0	79.10	857,236	105,462	5.10%	5,379	35,000	0
9/21/97	--	--	--	--	--	--	--	--	--	--	--	--
9/22/97	90	3	86	0	0	79.00	833,016	105,462	5.00%	5,273	0	0
9/23/97	91	4	78	0	0	78.95	821,055	105,462	6.10%	6,433	0	0
9/24/97	90	4	89	1	190,050	79.20	881,736	105,462	5.00%	5,273	35,000	0
9/25/97	88	6	84	0	0	79.10	857,236	105,462	6.00%	6,328	35,000	0
9/26/97	86	6	96	0	0	78.90	809,094	105,462	5.20%	5,484	30,000	0
9/27/97	85	5	100	2	380,100	79.30	906,516	0	N/A	0	25,000	0
9/28/97	--	--	--	2.4	456,120	--	--	--	--	--	--	--
9/29/97	89	8	75	0	0	80.50	1,137,319	0	N/A	0	35,000	0
9/30/97	90	3	86	0	0	80.45	1,132,364	105,462	4.80%	5,062	35,000	0
TOTAL	--	--	--	7.3	1,387,365	--	--	--	--	129,402	725,000	0
Current Gallons Stored			1,132,364					Total Landfill Acres	14			
Previous Gallons Stored			1,122,454									
Gallons Gained			9,910					Closed	0			
								Opened	7			
Treatment			725,000					Intermediate Cover	7			
Evaporation			129,402									
Gained			9,910					Gallons Collected				
								per acre/per day	3,704			
Total Gallons Collected			884,312									

38414

685 Airport Road  
Wauchula, Fl 33873  
Phone: 863-773-5089  
Fax: 863-773-3907  
Email: teresa.carver@hardeecounty.net

# Hardee County Solid Waste Department

November 30, 2007

Dept. Of Environmental Protection

DEC 03 2007

Southwest District

Department of environmental Protection  
13051 North Telecom Parkway  
Temple Terrace, Fl 33637-0926

Dear Ms. Gaskins:

Please find enclosed the hardcopy of the quarterly water balances you requested by email. Should you have any questions please feel free to contact me.

Thank you,

*Teresa Carver*  
Teresa Carver

Hardee County Solid Waste Director

INSERTED INTO OCULUS  
DEC 17 2007  
INITIAL *mtk*

Please Recycle

MONTH	RAINFALL (inches)	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS (NET DIFFERENCE)	TOTAL LEACHATE TREATED	BALANCE
Jan-07	1.25	486,880	(162,822)	594,000	-269,942
Feb-07	0.50	327,525	159,355	456,000	30,880
Mar-07	0.75	295,513	32,012	468,000	-140,475
Apr-07	1.30	432,900	(137,387)	372,000	-76,487
May-07	0.00	265,854	167,046	354,000	78,900
Jun-07	4.82	295,222	(29,368)	588,000	-322,146
Jul-07	7.69	413,559	118,399	552,000	-20,042
Aug-07	5.07	868,450	454,851	732,000	591,301
Sep-07	3.40	397,166	417,284	456,000	358,450
Oct-07	2.65	673,188	276,022	654,000	295,210
Nov-07		-	-	-	0
Dec-07		-	-	-	0
Total 2007	27.43	4,456,257	1,295,392	5,226,000	525,649

DATE	AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE	
6/30/2007							295,222			
7/1/2007	0	0	0	-	-	-		-		
7/2/2007	0	0	1.5	1,236	16,670	17,906		30,000		
7/3/2007	0	0	0.1	82	36,768	36,850		24,000		
7/4/2007	0	0	0	-	-	-		-		
7/5/2007	0	0	1.75	1,442	84,559	86,001		30,000		
7/6/2007	0	0	0	-	-	-		30,000		
7/7/2007	0	0	0	-	-	-		-		
7/8/2007	0	0	0	-	-	-		-		
7/9/2007	0	0	0	-	-	-		30,000		
7/10/2007	0	0	0	-	48,171	48,171		30,000		
7/11/2007	0	0	0	-	-	-		-		
7/12/2007	0	0	0	-	26,875	26,875		30,000		
7/13/2007	0	0	0	-	22,439	22,439		30,000		
7/14/2007	0	0	0	-	-	-		-		
7/15/2007	0	0	0	-	-	-		-		
7/16/2007	0	0	2.25	1,854	-	1,854		18,000		
7/17/2007	0	0	0	-	-	-		36,000		
7/18/2007	0	0	0	-	64,990	64,990		36,000		
7/19/2007	0	0	0	-	30,694	30,694		36,000		
7/20/2007	0	0	0	-	-	-		30,000		
7/21/2007	0	0	0	-	-	-		-		
7/22/2007	0	0	0	-	-	-		30,000		
7/23/2007	0	0	0.75	618	-	618		-		
7/24/2007	0	0	0.05	41	64,608	64,649		6,000		
7/25/2007	0	0	0	-	11,488	11,488		18,000		
7/26/2007	0	0	0	-	-	-		18,000		
7/27/2007	0	0	0	-	-	-		30,000		
7/28/2007	0	0	0	-	-	-		-		
7/29/2007	0	0	0	-	-	-		-		
7/30/2007	0	0	1.25	1,030	-	1,030		30,000		
7/31/2007	0	0	0.04	33	-	33	413,599	30,000		
TOTALS	0	0	7.69	6,337	407,262	413,599		552,000		
NET DIFFERENCE							-295,222	BALANCE	-433,623	

DATE	LANDFILL AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
7/31/2007							413,599		
8/1/2007	0	0	1.03	907	55,843	56,750		30,000	
8/2/2007	0	0	0.25	206	76,366	76,572		42,000	
8/3/2007	0	0	1	824	66,372	67,196		36,000	
8/4/2007	0	0	0	-	-	-		-	
8/5/2007	0	0	0	-	-	-		-	
8/6/2007	0	0	0	-	74,006	74,006		42,000	
8/7/2007	0	0	0	-	-	-		42,000	
8/8/2007	0	0	0	-	104,003	104,003		42,000	
8/9/2007	0	0	0.25	206	49,819	50,025		36,000	
8/10/2007	0	0	0	-	-	-		30,000	
8/11/2007	0	0	0	-	-	-			
8/12/2007	0	0	0	-	-	-		-	
8/13/2007	0	0	0.04	33	54,820	54,853		24,000	
8/14/2007	0	0	0	-	-	-		30,000	
8/15/2007	0	0	1	824	-	824		30,000	
8/16/2007	0	0	0	-	67,433	67,433		30,000	
8/17/2007	0	0	0	-	53,556	53,556		30,000	
8/18/2007	0	0	0	-	-	-		-	
8/19/2007	0	0	0	-	-	-		-	
8/20/2007	0	0	0	-	41,792	41,792		30,000	
8/21/2007	0	0	0	-	29,278	29,278		36,000	
8/22/2007	0	0	0	-	49,680	49,680		18,000	
8/23/2007	0	0	0	-	-	-		30,000	
8/24/2007	0	0	0	-	33,972	33,972		30,000	
8/25/2007	0	0	0	-	-	-		-	
8/26/2007	0	0	0	-	-	-		-	
8/27/2007	0	0	1.5	1,236	-	1,236		24,000	
8/28/2007	0	0	0	-	68,633	68,633		30,000	
8/29/2007	0	0	0	-	-	-		30,000	
8/30/2007	0	0	0	-	38,641	38,641		30,000	
1/1/1900	0	0	0	-	-	-	868,450	30,000	
TOTALS	0	0	5.07	4,236	864,214	868,450		732,000	
NET DIFFERENCE							454,851	BALANCE	591,301



DATE	AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
8/31/2007							868,450		
9/1/2007	0	0	0	-	-	-		-	
9/2/2007	0	0	0	-	-	-		-	
9/3/2007	0	0	0	-	-	-		-	
9/4/2007	0	0	0	-	48,797	48,797		24,000	
9/5/2007	0	0	0	-	-	-		30,000	
9/6/2007	0	0	0	-	-	-		30,000	
9/7/2007	0	0	0	-	-	-		6,000	
9/8/2007	0	0	0	-	-	-		-	
9/9/2007	0	0	0	-	-	-		-	
9/10/2007	0	0	0	-	-	-		-	
9/11/2007	0	0	0.75	618	-	618		6,000	
9/12/2007	0	0	0	-	-	-		30,000	
9/13/2007	0	0	0	-	61,135	61,135		30,000	
9/14/2007	0	0	1.25	1,030	38,641	39,671		30,000	
9/15/2007	0	0	0	-	-	-		-	
9/16/2007	0	0	0	-	-	-		-	
9/17/2007	0	0	0	-	-	-		30,000	
9/18/2007	0	0	0	-	-	-		18,000	
9/19/2007	0	0	0	-	54,021	54,021		24,000	
9/20/2007	0	0	0	-	38,958	38,958		24,000	
9/21/2007	0	0	0.1	82	-	82		30,000	
9/22/2007	0	0	0	-	-	-		-	
9/23/2007	0	0	0	-	-	-		-	
9/24/2007	0	0	1	824	-	824		30,000	
9/25/2007	0	0	0	-	60,145	60,145		30,000	
9/26/2007	0	0	0	-	-	-		24,000	
9/27/2007	0	0	0.3	247	32,148	32,395		30,000	
9/28/2007	0	0	0	-	60,519	60,519		30,000	
9/29/2007	0	0	0	-	-	-		-	
9/30/2007	0	0	0	-	-	-		-	
	0	0	0	-	-	-	397,166	-	
TOTALS	0	0	3.40	2,802	394,364	397,166		456,000	
NET DIFFERENCE							-471,284	BALANCE	-530,118

DATE	AREA (Intermediate cover)	LANDFILL AREA (open)	RAINFALL (inches)	RAINFALL IN TANKS (gallons)	LEACHATE COLLECTED	TOTAL LEACHATE COLLECTED	GALLONS STORED IN TANKS	LEACHATE HAULED TO TREATMENT	BALANCE
9/30/2007							397,166		
10/1/2007	0	0	0	-	-	-		30,000	
10/2/2007	0	0	0.5	441	18,141	18,582		24,000	
10/3/2007	0	0	0.3	264	60,098	60,362		30,000	
10/4/2007	0	0	1	881	44,844	45,725		30,000	
10/5/2007	0	0	0.25	220	44,844	45,064		30,000	
10/6/2007	0	0	0	-	-	-		-	
10/7/2007	0	0	0	-	-	-		-	
10/8/2007	0	0	0.2	176	54,973	55,149		30,000	
10/9/2007	0	0	0	-	55,219	55,219		30,000	
10/10/2007	0	0	0	-	42,730	42,730		30,000	
10/11/2007	0	0	0	-	-	-		30,000	
10/12/2007	0	0	0	-	-	-		30,000	
10/13/2007	0	0	0	-	-	-		-	
10/14/2007	0	0	0	-	-	-		-	
10/15/2007	0	0	0	-	45,133	45,133		30,000	
10/16/2007	0	0	0	-	42,095	42,095		30,000	
10/17/2007	0	0	0	-	-	-		30,000	
10/18/2007	0	0	0	-	61,756	61,756		30,000	
10/19/2007	0	0	0	-	25,695	25,695		30,000	
10/20/2007	0	0	0	-	-	-		-	
10/21/2007	0	0	0	-	-	-		-	
10/22/2007	0	0	0	-	-	-		30,000	
10/23/2007	0	0	0	-	-	-		-	
10/24/2007	0	0	0	-	29,797	29,797		30,000	
10/25/2007	0	0	0	-	85,388	85,388		30,000	
10/26/2007	0	0	0	-	-	-		30,000	
10/27/2007	0	0	0	-	-	-		-	
10/28/2007	0	0	0	-	-	-		-	
10/29/2007	0	0	0	-	-	-		30,000	
10/30/2007	0	0	0.1	88	-	88		30,000	
10/31/2007	0	0	0.3	264	60,140	60,404	673,188	30,000	
TOTALS	0	0	2.65	2,335	670,853	673,188		654,000	
NET DIFFERENCE							276,022	BALANCE	295,210

685 Airport Road  
Wauchula, FL 33873  
Telephone: (941) 773-5089  
Fax: (941) 773-3907

*Kim*

.....

# Hardee County Solid Waste Department

September 16, 1997

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

**RECEIVED**  
SEP 18 1997

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Dear Ms. Amram:

Enclosed for your review are the monthly water leachate quantity reports for July and August, 1997. Please feel free to contact me should you have any questions or comments.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

.....

*From the desk of:  
Janice Williamson  
Executive Secretary / Recycling Coordinator*

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPENED	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	2.7	327,002	115,629	270,582	295,000	353,641	7	7	0	1,630
FEBRUARY	1.1	115,629	130,112	151,116	45,000	210,599	7	7	0	1,074
MARCH	3.1	130,112	124,801	164,621	225,000	384,310	7	7	0	1,771
APRIL	10.3	124,801	736,957	134,254	335,000	1,081,410	7	7	0	5,150
MAY	4.3	736,957	507,153	142,062	370,000	282,258	7	7	0	1,300
JUNE	6.4	507,153	739,223	158,930	320,000	716,000	7	7	0	3,406
JULY	9.4	124,801	1,127,409	147,753	665,000	1,815,361	7	7	0	4,440
AUGUST	7.5	1,127,409	1,122,454	150,328	735,000	880,373	7	7	0	4,057
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
8/1/97	87	3	89	0	0	80.30	1,117,499	105,462	4.50%	4,745	35,000	0
8/2/97	91	4	78	0	0	80.20	1,107,589	105,462	5.90%	6,222	30,000	0
8/3/97	---	---	---	---	---	---	---	---	---	---	---	---
8/4/97	89	4	76	0	0	80.10	1,097,679	105,462	5.80%	6,117	25,000	0
8/5/97	88	4	96	0.9	171,045	80.30	1,117,499	105,462	4.80%	5,062	35,000	0
8/6/97	92	3	89	0.4	76,020	80.30	1,117,499	105,462	4.80%	5,062	35,000	0
8/7/97	83	6	100	0.6	114,030	80.40	1,127,409	0	N/A	0	20,000	0
8/8/97	90	3	84	0.2	38,010	80.50	1,137,319	105,462	4.90%	5,168	35,000	0
8/9/97	90	3	79	0	0	80.45	1,132,364	105,462	5.00%	5,273	35,000	0
8/10/97	---	---	---	---	---	---	---	---	---	---	---	---
8/11/97	90	4	86	1	190,050	80.60	1,147,229	105,462	5.20%	5,484	35,000	0
8/12/97	90	4	81	0	0	80.55	1,142,274	105,462	5.90%	6,222	0	0
8/13/97	92	3	79	0.3	57,015	80.50	1,137,319	105,462	5.50%	8,800	35,000	0
8/14/97	93	3	83	2.5	475,125	81.40	1,199,752	0	N/A	0	35,000	0
8/15/97	90	4	78	0	0	81.30	1,198,761	105,462	5.60%	5,906	35,000	0
8/16/97	92	2	80	0.5	95,025	81.30	1,198,761	105,462	4.90%	5,168	35,000	0
8/17/97	---	---	---	---	---	---	---	---	---	---	---	---
8/18/97	91	3	78	0	0	81.25	1,121,644	105,462	5.50%	5,800	15,000	0
8/19/97	92	4	80	0.2	38,010	81.20	1,206,689	105,462	5.90%	6,222	35,000	0
8/20/97	93	4	86	0	0	81.10	1,196,779	105,462	5.00%	5,273	30,000	0
8/21/97	90	5	78	0.9	171,045	81.00	1,186,869	105,462	6.10%	6,433	30,000	0
8/22/97	88	4	79	0	0	81.10	1,196,779	105,462	5.90%	6,222	35,000	0
8/23/97	90	3	88	0	0	81.06	1,192,815	105,462	4.50%	4,746	25,000	0
8/24/97	---	---	---	---	---	---	---	---	---	---	---	---
8/25/97	90	6	78	0	0	81.00	1,186,869	105,462	7.00%	7,382	35,000	0
8/26/97	90	8	73	0	0	80.87	1,173,986	105,462	9.50%	10,019	35,000	0
8/27/97	92	7	69	0	0	80.75	1,162,094	105,462	10.00%	10,546	35,000	0
8/28/97	91	4	65	0	0	80.50	1,137,319	105,462	7.80%	8,226	35,000	0
8/29/97	90	3	88	0	0	80.40	1,127,409	105,462	4.50%	4,746	0	0
8/30/97	92	4	85	0	0	80.35	1,122,454	105,462	5.20%	5,484	0	0
8/31/97	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	7.5	1,425,375	---	---	---	---	150,328	735,000	0
Previous Gallons Stored				1,127,409				Total Landfill Acres	14			
Current Gallons Stored				1,122,454								
Gallons Lost				4,955				Closed	0			
								Opened	7			
Treatment				735,000				Intermediate Cover	7			
Evaporation				150,328								
Lost				4,955				Gallons Collected				
								per acre/per day	4,057			
Total Gallons Collected				880,373								

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
7/1/97	89	4	75	0.6	114,030	78.30	672,185	105,462	5.80%	6,117	30,000	0
7/2/97	90	8	69	0	0	78.20	650,466	105,462	9.80%	10,335	30,000	0
7/3/97	96	6	78	0	0	78.05	618,512	105,462	8.00%	8,437	30,000	0
7/4/97	---	---	---	---	---	---	---	---	N/A	---	---	---
7/5/97	90	3	79	0.7	133,035	78.20	650,466	0	N/A	0	0	0
7/6/97	---	---	---	1.5	285,075	---	---	---	N/A	0	0	0
7/7/97	92	6	79	0	0	78.70	762,198	0	N/A	0	15,000	0
7/8/97	93	3	69	0	0	78.67	755,306	105,462	6.40%	6,750	20,000	0
7/9/97	92	4	80	2.5	475,125	78.50	730,159	105,462	5.80%	6,117	25,000	0
7/10/97	91	4	79	0.6	114,030	79.57	974,844	105,462	6.00%	6,328	30,000	0
7/11/97	89	5	79	0.2	38,010	79.60	982,529	105,462	6.20%	6,539	25,000	0
7/12/97	90	4	78	0	0	79.55	969,724	105,462	5.90%	6,222	30,000	0
7/13/97	---	---	---	---	---	---	---	---	---	---	---	---
7/14/97	85	5	78	0.5	95,025	79.83	1,042,529	0	N/A	0	30,000	0
7/15/97	85	7	75	0	0	79.67	1,000,655	105,462	8.00%	8,437	0	0
7/16/97	88	5	80	0	0	79.49	854,379	105,462	6.10%	6,433	30,000	0
7/17/97	90	6	75	0	0	79.39	929,069	105,462	7.90%	8,331	30,000	0
7/18/97	---	---	---	---	---	---	---	0	N/A	0	0	0
7/19/97	91	4	79	1.8	342,090	80.30	1,117,499	0	N/A	0	30,000	0
7/20/97	---	---	---	---	---	---	---	---	---	---	---	---
7/21/97	90	3	88	0	0	81.10	1,196,779	105,462	4.40%	4,640	15,000	0
7/22/97	91	3	89	0.5	95,025	81.00	1,186,869	105,462	4.50%	4,746	35,000	0
7/23/97	92	4	76	0	0	81.00	1,186,869	105,462	6.00%	6,328	25,000	0
7/24/97	92	8	76	0	0	80.95	1,181,915	105,462	9.00%	9,492	35,000	0
7/25/97	93	5	78	0	0	80.90	1,176,959	105,462	7.50%	7,910	35,000	0
7/26/97	90	5	78	0	0	80.80	1,167,049	105,462	7.00%	7,382	25,000	0
7/27/97	---	---	---	---	---	---	---	---	---	---	---	---
7/28/97	93	8	77	0.3	57,015	80.80	1,167,049	105,462	9.50%	10,019	35,000	0
7/29/97	90	2	88	0.2	38,010	80.65	1,152,184	105,462	4.00%	4,218	35,000	0
7/30/97	90	6	79	0	0	80.50	1,137,319	105,462	7.30%	7,699	35,000	0
7/31/97	92	4	84	0	0	80.40	1,127,409	105,462	5.00%	5,273	35,000	0
TOTAL	---	---	---	9.4	1,786,470	---	---	---	---	147,753	665,000	0
Current Gallons Stored			1,127,409					Total Landfill Acres	14			
Previous Gallons Stored			124,801									
Gallons Gained			1,002,608					Closed	0			
								Opened	7			
Treatment			665,000					Intermediate Cover	7			
Evaporation			147,753									
Gained			1,002,608					Gallons Collected per acre/per day	4,440			
Total Gallons Collected			1,815,361									

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date:

9/3/97

Number of pages including cover sheet:

2

To:

JANICE WILKINSON

HARDEE COUNTY

Phone:

(941) 773 5089

Fax phone:

(941) 773 3907

CC:

From:

Kim Ford

Phone:

(813) 744-6100 x 382

Fax phone:

(813) 744-6125

REMARKS:

Urgent

For your review

Reply ASAP

Please comment

HERE'S MY SUGGESTIONS FOR NEW RECORDS &  
I DON'T KNOW THE DESIGN SO YOU CAN  
FILL IN WHAT I LEFT OUT.

I WOULD LIKE TO SEE THE LAST COLUMN  
EVEN FOR CURRENT REPORT

BE LABELED BALANCE &  
LET ME KNOW WHAT YOU THINK.

TKX  
Kim

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN	OPENED	INTER.	CLOSED	GALLONS		BALANCE
	FALL	ACRES	ACRES	ACRES	COLLECTED	TREATED	GALLONS
JANUARY	2.7	7	7	0	270,582	295,000	-24,418
FEBRUARY	1.1	7	7	0	151,116	45,000	106,116
MARCH	3.1	7	7	0	164,621	225,000	-60,379
APRIL	10.3	7	7	0	134,254	335,000	-200,746
MAY	4.3	7	7	0	142,062	370,000	-227,938
JUNE	6.4	7	7	0	158,930	320,000	-161,070
JULY							
AUGUST							
SEPTEMBER							
OCTOBER							
NOVEMBER							
DECEMBER							
<b>YTD TOTAL</b>	<b>27.9</b>				<b>1,021,565</b>	<b>1,590,000</b>	<b>-568,435</b>

2 Do A  
monthly  
to match



Transmit Confirmation Report

No. : 008  
Receiver : 8-1-941-773-3907  
Transmitter : WASTE MGT TAMPA SWDIST  
Date : Sep 03 97 14:34  
Time : 02'07  
Mode : Norm  
Pages : 02  
Result : OK

685 AIRPORT ROAD  
WAUCHULA, FL 33873  
PHONE: (941) 773-5089  
FAX: (941) 773-3907

.....

# HARDEE COUNTY

## SOLID WASTE DEPARTMENT

RECEIVED  
JUL 21 1997

July 16, 1997

Department of Environmental Protections  
Solid Waste Section  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33816

Department of Environmental Protection  
SOUTHWEST DISTRICT

BY \_\_\_\_\_

RE: Monthly Water Balance

*Kum*

Dear Ms. Amram

Submitted for your review is the above referenced for the month of June of 1997. Please feel free to contact me should you have any questions.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

From the desk of:  
JANICE WILLIAMSON,  
Executive Secretary/Recycling Coordinator  
Hardee County Solid Waste Department

.....

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN FALL	PREVIOUS GALLONS STORED	CURRENT GALLONS STORED	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPENED ACRES	INTER. ACRES	CLOSED ACRES	GALLONS COLLECTED PER ACRE/PER DAY
JANUARY	2.7	327,002	115,629	270,582	295,000	353,641	7	7	0	1,630
FEBRUARY	1.1	115,629	130,112	151,116	45,000	210,599	7	7	0	1,074
MARCH	3.1	130,112	124,801	164,621	225,000	384,310	7	7	0	1,771
APRIL	10.3	124,801	736,957	134,254	335,000	1,081,410	7	7	0	5,150
MAY	4.3	736,957	507,153	142,062	370,000	282,258	7	7	0	1,300
JUNE	6.4	507,153	739,223	158,930	320,000	716,000	7	7	0	3,406
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

**RECEIVED**  
JUL 21 1997  
Department of  
SOUTHWEST DISTRICT

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE  
Sheet7

DATE	AIR TEMP.	WIND SPED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED TRHOUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
6/1/97	---	---	---	---	---	---	---	---	---	---	---	---
6/2/97	88	4	79	0	0	77.69	544,562	105,462	5.90%	6,222	0	0
6/3/97	87	3	80	0	0	77.65	536,621	105,462	5.40%	5,695	0	0
6/4/97	85	4	70	0	0	77.61	528,680	105,462	6.00%	6,328	0	0
6/5/97	88	2	78	0	0	77.56	518,878	105,462	4.50%	4,746	0	0
6/6/97	89	3	70	0	0	77.46	499,459	105,462	5.95%	6,223	0	0
6/7/97	88	6	75	0	0	77.30	468,993	105,462	7.00%	7,382	0	0
6/8/97	---	---	---	---	---	---	---	---	---	---	---	---
6/9/97	80	6	100	0	0	77.35	478,456	105,462	4.40%	4,640	0	0
6/10/97	86	11	63	0	0	77.30	468,993	105,462	13.00%	13,710	0	0
6/11/97	88	5	74	0	0	77.30	468,993	105,462	7.00%	7,382	15,000	0
6/12/97	88	7	54	3.0	570,150	78.70	762,198	105,462	N/A	0	30,000	0
6/13/97	82	7	64	0	0	78.67	755,306	105,462	8.50%	8,964	30,000	0
6/14/97	88	5	70	0	0	78.40	694,217	105,462	6.90%	7,277	30,000	0
6/15/97	---	---	---	---	---	---	---	---	---	---	---	---
6/16/97	90	4	85	0.4	76,020	78.67	755,306	105,462	5.50%	5,800	20,000	0
6/17/97	88	5	98	0.8	152,040	78.50	716,563	105,462	5.00%	5,273	30,000	0
6/18/97	89	4	65	0	0	78.59	736,957	105,462	7.00%	7,382	30,000	0
6/19/97	91	3	57	0	0	78.40	694,217	105,462	8.50%	8,964	25,000	0
6/20/97	92	5	67	0	0	78.20	650,466	105,462	8.30%	8,753	15,000	0
6/21/97	92	4	66	0.6	114,030	78.30	672,185	105,462	8.00%	8,437	0	0
6/22/97	---	---	---	---	---	---	---	---	---	---	---	---
6/23/97	91	3	64	0	0	78.30	672,185	105,462	7.50%	7,910	20,000	0
6/24/97	91	3	69	0.2	38,010	78.20	650,466	105,462	7.00%	7,382	20,000	0
6/25/97	92	8	63	0	0	78.16	641,903	105,462	13.00%	13,710	10,000	0
6/26/97	93	4	75	1.0	190,050	78.40	694,217	105,462	N/A	0	0	0
6/27/97	92	7	69	0	0	78.50	716,463	105,462	N/A	0	25,000	0
6/28/97	91	4	69	0.2	38,010	78.50	716,563	105,462	N/A	0	0	0
6/29/97	---	---	---	---	---	---	---	---	---	---	---	---
6/30/97	90	4	75	0.2	38,010	78.60	739,223	105,462	6.40%	6,750	20,000	0
TOTAL	---	---	---	6.4	1,216,320	---	---	---	---	158,930	320,000	0
Current Gallons Stored			739,223					Total Landfill Acres	14			
Previous Gallons Stored			507,153					Closed	0			
Gallons Gained			232,070					Opened	7			
Treatment			320,000					Intermediate Cover	7			
Evaporation			158,930					Gallons Collected				
Gained			232,070					per acre/per day	3,409			
Total Gallons Collected			716,000									

BY: SCOTT W. RESPER, PROJECT MANAGER, Environmental Protection

RECEIVED  
JUL 2 1 1997

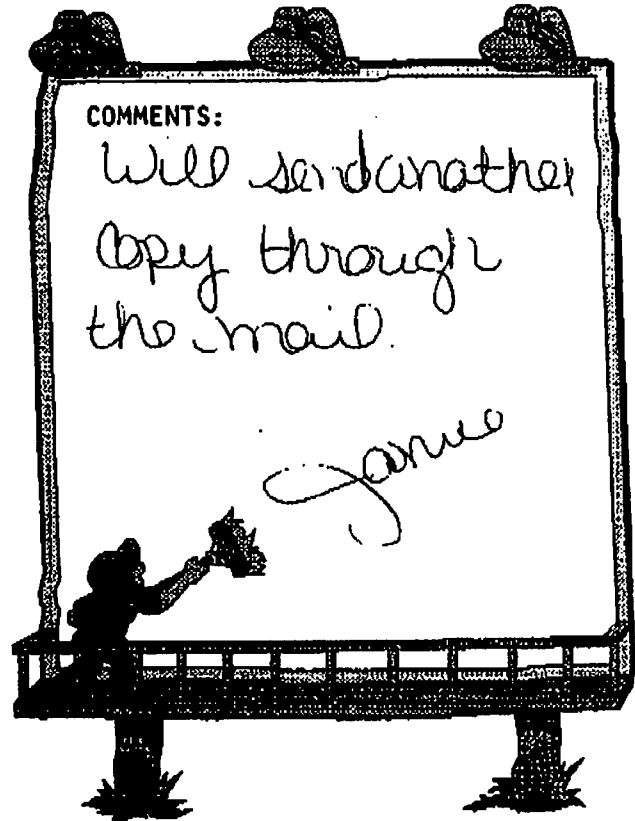
# FAX TRANSMITTAL

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HARDEE COUNTY  
SOLID WASTE DEPARTMENT  
MATERIAL RECOVERY FACILITY  
P.O. BOX 248 / 685 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

DATE: 9/3/97

TO:	Kim Ford
FROM:	Janice
COPIES TO:	—
SUBJECT:	May Water Balance
FAX NUMBER:	813-744-6125
NUMBER OF PAGES: (Including this sheet)	2



PLEASE DELIVER THESE PAGES TO THE INDIVIDUAL NAMED ABOVE. IF YOU HAVE ANY DIFFICULTY RECEIVING THIS TRANSMISSION OR IF PAGES ARE MISSING OR ILLEGIBLE, PLEASE CALL (941) 773-5089 AND SPEAK WITH JANICE.

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
5/1/87	—	—	—	0	0	—	—	0	N/A	0	0	0
5/2/87	85	2	79	0	0	78.67	755,306	105,462	3.80%	4,008	20,000	0
5/3/87	85	7	90	0	0	78.50	716,563	105,462	6.40%	6,750	0	0
5/4/87	—	—	—	—	—	—	—	—	—	—	—	—
5/5/87	89	3	65	0.3	57,015	78.70	762,198	105,462	6.20%	6,539	20,000	0
5/6/87	85	4	65	0	0	78.47	709,659	105,462	7.00%	7,382	25,000	0
5/7/87	85	3	80	0	0	78.30	672,185	105,462	5.00%	5,273	0	0
5/8/87	88	5	79	0	0	78.25	661,328	105,462	6.80%	7,171	25,000	0
5/9/87	88	3	79	0	0	78.10	629,059	105,462	5.50%	5,800	30,000	0
5/10/87	83	3	69	0	0	78.00	607,965	105,462	5.80%	6,117	30,000	0
5/11/87	—	—	—	—	—	—	—	—	—	—	—	—
5/12/87	78	4	98	1.2	228,060	77.85	587,574	105,462	4.40%	4,640	30,000	0
5/13/87	85	4	96	1.2	228,060	78.15	639,763	0	N/A	0	30,000	0
5/14/87	85	2	60	0	0	78.00	607,965	105,462	5.80%	6,117	30,000	0
5/15/87	86	3	63	0	0	77.90	587,182	105,462	6.40%	6,750	30,000	0
5/16/87	80	3	98	0	0	77.77	560,660	105,462	4.00%	4,218	0	0
5/17/87	84	3	96	0	0	77.70	548,547	105,462	3.90%	4,113	0	0
5/18/87	—	—	—	—	—	—	—	—	—	—	—	—
5/19/87	88	4	99	0.9	171,045	77.70	548,547	0	N/A	0	0	0
5/20/87	88	6	96	0	0	78.00	607,965	105,462	6.50%	6,855	30,000	0
5/21/87	89	3	70	0	0	77.88	585,135	105,462	5.90%	6,272	30,000	0
5/22/87	88	3	76	0	0	77.79	584,693	105,462	5.10%	5,379	20,000	0
5/23/87	90	3	86	0	0	77.62	530,885	105,462	4.90%	5,168	15,000	0
5/24/87	90	2	79	0	0	77.55	516,924	105,462	4.50%	4,745	5,000	0
5/25/87	—	—	—	—	—	—	—	—	—	—	—	—
5/26/87	89	3	88	0	0	77.60	526,695	105,462	4.90%	5,168	0	0
5/27/87	90	2	84	0	0	77.53	513,018	105,462	4.10%	4,324	0	0
5/28/87	91	5	80	0	0	77.50	507,153	105,462	6.10%	6,433	0	0
5/29/87	92	6	80	0	0	77.40	487,919	105,462	7.80%	8,228	0	0
5/30/87	93	7	79	0	0	77.39	486,026	105,462	8.50%	8,884	0	0
5/31/87	89	5	90	0.7	133,055	77.50	507,153	105,462	5.50%	5,800	0	0
TOTAL	—	—	—	4.3	817,295	—	—	—	—	142,062	370,000	0
Previous Gallons Stored			736,967									
Current Gallons Stored			507,153									
Gallons Lost			228,804									
Treatment			385,000									
Evaporation			142,062									
Lost			228,804									
Total Gallons Collected			282,258									
Total Landfill Acres									14			
Closed									0			
Opened									7			
Intermediate Cover									7			
Gallons Collected per acre/per day									1,300			

HARDEE COUNTY  
DEPARTMENT OF SOLID WASTE AND MATERIAL RECOVERY FACILITY  
685 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

---

D.E.P.

MAY 19 1997

SOUTHWEST DISTRICT  
TAMPA

May 14, 1997

*Kim*  
Department of Environmental Protections  
Attn.: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate Quantity Reporting for April, 1997

Dear Ms. Amram:

Enclosed is the above referenced for your review. As always, you are welcome to contact me should you have any questions or comments.

Thank You,

*Janice  
Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
Ed Hilton - P.B.S. & J.  
File

PHONE: (941) 773-5089

\*

FAX: (941) 773-3907

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPENED	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	2.7	327,002	115,629	270,582	295,000	353,641	7	7	0	1,630
FEBRUARY	1.1	115,629	130,112	151,116	45,000	210,599	7	7	0	1,074
MARCH	3.1	130,112	124,801	164,621	225,000	384,310	7	7	0	1,771
APRIL	10.3	124,801	736,957	134,254	335,000	1,081,410	7	7	0	5,150
MAY										
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

*70000*  
//



HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDIT	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
4/1/97	73	6	57	0	0	75.07	120,870	105,462	8.00%	8,437	0	0
4/2/97	75	4	60	0	0	75.00	11,698	105,462	6.90%	7,277	15,000	0
4/3/97	83	4	78	0	0	74.77	82,805	105,462	5.80%	6,117	15,000	0
4/4/97	85	3	88	0	0	74.30	29,733	105,462	4.80%	5,062	0	0
4/5/97	83	3	86	0	0	74.30	29,733	0	N/A	0	0	0
4/6/97	---	---	---	---	---	---	---	---	---	---	---	---
4/7/97	86	4	87	0.2	38,010	74.40	40,347	105,462	5.20%	5,484	0	0
4/8/97	83	3	86	0	0	74.90	98,874	105,462	4.50%	4,746	0	0
4/9/97	79	5	94	0	0	75.05	118,250	105,462	5.10%	5,379	15,000	0
4/10/97	83	7	88	0	0	74.70	74,355	105,462	6.70%	7,066	10,000	0
4/11/97	83	7	95	0	0	74.77	82,805	105,462	5.90%	6,223	0	0
4/12/97	83	6	100	1.5	285,075	75.10	124,801	0	N/A	0	0	0
4/13/97	---	---	---	---	---	---	---	---	---	---	---	---
4/14/97	69	6	100	0.5	95,025	75.40	165,167	105,462	4.40%	4,640	0	0
4/15/97	68	6	100	0.8	152,040	75.50	178,979	0	N/A	0	15,000	0
4/16/97	69	4	85	0.3	57,015	75.60	192,971	105,462	4.90%	5,168	25,000	0
4/17/97	78	8	65	0	0	75.47	174,835	105,462	8.90%	9,386	25,000	0
4/18/97	71	14	62	0	0	75.30	151,534	105,462	13.00%	13,710	20,000	0
4/19/97	73	6	60	0	0	75.30	151,534	105,462	7.80%	8,226	15,000	0
4/20/97	---	---	---	---	---	---	---	---	---	---	---	---
4/21/97	75	3	80	0	0	75.30	151,534	105,462	4.60%	4,851	30,000	0
4/22/97	---	---	---	---	---	---	---	---	---	---	---	---
4/23/97	82	13	96	0	0	75.00	111,698	105,462	8.30%	8,753	20,000	0
4/24/97	80	3	59	1.8	342,090	75.70	207,144	0	N/A	0	30,000	0
4/25/97	82	8	70	0	0	75.65	200,058	105,462	9.00%	9,492	30,000	0
4/26/97	75	8	100	2.8	532,140	77.10	432,064	0	N/A	0	0	0
4/27/97	---	---	---	---	---	---	---	---	---	---	---	---
4/28/97	78	10	95	0	0	77.30	468,993	105,462	7.80%	8,226	15,000	0
4/29/97	80	9	56	2.4	456,120	78.53	723,361	0	N/A	0	30,000	0
4/30/97	82	4	74	0	0	78.59	736,957	105,462	5.70%	6,011	25,000	0
TOTAL	---	---	---	10.3	1,057,915	---	---	---	---	134,254	335,000	0
Current Gallons Stored	736,957											
Previous Gallons Stored	124,801											
Gallons Gained	612,156											
Treatment	335,000											
Evaporation	134,254											
Gain	612,156											
Total Gallons Collected	1,081,410											
			Total Landfill Acres		14							
			Closed		0							
			Opened		7							
			Intermediate Cover		7							
			Gallons Collected per acre/per day		5,150							

HARDEE COUNTY  
DEPARTMENT OF SOLID WASTE AND MATERIAL RECOVERY FACILITY  
685 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

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April 3, 1997

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

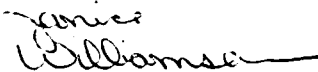
D.E.P.  
APR 07 1997  
COUNTY DISTRICT  
TAMPA

RE: Leachate Quantity Reporting for March, 1997.

Dear Ms. Amram<sup>Kim</sup>:

Enclosed for your review is the above referenced report. Please feel free to contact me should you have any questions.

Sincerely,



Janice Williamson,  
Executive Secretary  
Recycling Coordinator

PHONE: (941) 773-5089 \* FAX: (941) 773-3907

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPENED	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	2.7	327,002	115,629	270,582	295,000	353,641	7	7	0	1,630
FEBRUARY	1.1	115,629	130,112	151,116	45,000	210,599	7	7	0	1,074
MARCH	3.1	130,112	124,801	164,621	225,000	384,310	7	7	0	1,771
APRIL										
MAY										
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDIT	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
3/1/97	88	4	90	0	0	74.85	92,651	105,462	5.00%	5,273	10,000	0
3/2/97	--	--	--	0	0	--	--	0	N/A	0	0	0
3/3/97	85	4	90	0	0	75.00	111,698	105,462	5.10%	5,379	5,000	0
3/4/97	84	3	79	0	0	74.90	98,874	105,462	5.20%	5,484	0	0
3/5/97	90	4	84	0	0	74.80	86,427	105,462	5.20%	5,484	10,000	0
3/6/97	89	5	80	0	0	74.60	62,654	105,462	6.30%	6,640	5,000	0
3/7/97	79	12	78	0	0	74.40	40,347	105,462	9.60%	10,124	5,000	0
3/8/97	89	5	78	0	0	74.60	0	0	N/A	0	0	0
3/9/97	--	--	--	0	0	--	--	0	N/A	0	0	0
3/10/97	89	5	79	0	0	74.90	98,874	105,462	6.90%	7,277	0	0
3/11/97	90	4	79	0	0	74.80	86,427	105,462	5.90%	6,222	10,000	0
3/12/97	80	12	79	0	0	74.60	62,654	105,462	10.00%	10,546	15,000	0
3/13/97	84	8	79	0	0	74.40	40,347	105,462	8.20%	8,648	15,000	0
3/14/97	82	11	79	0	0	75.20	138,079	105,462	9.90%	10,441	0	0
3/15/97	85	12	100	2.5	610,875	75.50	178,979	0	N/A	0	0	0
3/16/97	--	--	--	0	0	--	--	0	N/A	0	0	0
3/17/97	83	10	67	0	0	75.70	207,144	105,462	12.00%	12,655	15,000	0
3/18/97	85	12	79	0	0	75.60	192,971	105,462	11.00%	11,601	15,000	0
3/19/97	83	4	79	0	0	75.50	178,979	105,462	5.40%	5,695	15,000	0
3/20/97	82	3	88	0	0	75.40	165,167	0	N/A	0	15,000	0
3/21/97	82	3	88	0	0	75.50	178,979	105,462	4.60%	4,851	15,000	0
3/22/97	85	8	80	0.3	73,305	75.50	178,979	105,462	7.80%	8,226	15,000	0
3/23/97	--	--	--	0	0	--	--	0	N/A	0	0	0
3/24/97	83	4	78	0	0	75.47	174,835	105,462	5.60%	5,906	15,000	0
3/25/97	80	4	87	0	0	75.29	150,189	105,462	4.90%	5,168	0	0
3/26/97	81	10	75	0	0	75.18	135,423	105,462	9.10%	9,597	15,000	0
3/27/97	84	5	98	0	0	75.10	124,801	105,462	4.80%	5,062	15,000	0
3/28/97	85	4	98	0	0	75.00	111,698	105,462	4.00%	4,218	0	0
3/29/97	--	--	--	0.3	73,305	--	--	0	N/A	0	0	0
3/30/97	--	--	--	0	0	--	--	0	N/A	0	0	0
3/31/97	78	14	80	0	0	75.10	124,801	105,462	9.60%	10,124	15,000	0
TOTAL	--	--	--	3.1	757,485	--	--	--	--	164,621	225,000	0
Previous Gallons Stored			130,112					Total Landfill Acres	14			
Current Gallons Stored			124,801									
Gallons Lost			5,311					Closed	0			
								Opened	7			
Treatment			225,000					Intermediate Cover	7			
Evaporation			164,621									
Lost			5,311					Gallons Collected				
								per acre per day	1,771			
Total Gallons Collected			384,310									

HARDEE COUNTY  
DEPARTMENT OF SOLID WASTE AND MATERIAL RECOVERY FACILITY  
685 AIRPORT ROAD  
WAUCHULA, FLORIDA 33873

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February 19, 1997

Department of Environmental Protections  
Attn.: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

D.E.P.  
MAR 21 1997  
SOUTHWEST DISTRICT  
TAMPA

RE: Leachate Quantity Reporting for January and February, 1997.

Dear Ms. Amram:

*Kim Ford*

Enclosed for your review are the above referenced reports. We have re-measured the acreage in regards to open acres (acres that receive storm water/leachate that is directed to the leachate containment ditch) and intermediately covered acres (acres that receive storm water which is directed to the storm water ponds). We intend to calculate the acreage on a monthly basis, however; we expect no dramatic changes until we begin newly proposed landfill improvements.

The City of Wauchula has restricted the amount of leachate that they will accept due to some problems in their plant and the level of Ammonia in the leachate. Although the readings are within the expected levels for leachate, the city has very strict parameters of acceptance. In an effort to reduce the level of Ammonia in the leachate we have ran the sprinkler zones around the immediate parameter of the ditch, twenty-four hours per day. This will explain the increase in the gallons sprayed for a period in January. We are presently allowed to haul 15,000 gallons per day and as you can see the level of leachate in the containment ditch is at a very low level, so we expect no adverse effects from the city's restriction.

As improvements get underway, I am thankful for your advice and assistance so please do not hesitate to contact me with any questions or comments.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

PHONE: (941) 773-5089 \* FAX: (941) 773-3907

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1997 WATER BALANCE SUMMARY

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPENED	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	2.7	327,002	115,629	270,582	295,000	353,641	7	7	0	1,630
FEBRUARY	1.1	115,629	130,112	151,116	45,000	210,599	7	7	0	1,074
MARCH										
APRIL										
MAY										
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

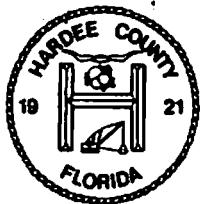
HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDIT	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
2/1/97	70	4	81	0	0	75.50	178,979	105,462	5.00%	5,273	0	0
2/2/97	---	---	---	---	---	---	---	---	---	---	---	---
2/3/97	68	5	70	0	0	75.40	165,167	105,462	5.60%	5,906	0	0
2/4/97	70	3	86	0	0	75.15	131,440	105,462	4.30%	4,535	0	0
2/5/97	78	4	89	0	0	75.00	111,698	105,462	4.80%	5,062	0	0
2/6/97	81	3	84	0	0	75.67	202,892	105,462	4.40%	4,640	0	0
2/7/97	78	3	84	0	0	75.64	198,640	105,462	4.50%	4,746	0	0
2/8/97	70	4	84	0	0	75.64	198,640	105,462	4.70%	4,957	0	0
2/9/97	---	---	---	---	---	---	---	---	---	---	---	---
2/10/97	70	5	88	0.2	48,870	75.76	215,758	105,462	5.30%	5,589	0	0
2/11/97	65	12	60	0	0	75.80	221,500	105,462	10.30%	11,074	0	0
2/12/97	70	4	83	0	0	75.75	214,322	105,462	4.80%	5,062	0	0
2/13/97	83	7	82	0	0	75.70	207,144	105,462	7.00%	7,382	0	0
2/14/97	82	15	88	0	0	75.70	207,144	105,462	9.90%	10,441	0	0
2/15/97	75	5	80	0.4	97,740	75.60	192,971	82,560	5.60%	4,623	0	0
2/16/97	---	---	---	---	---	---	---	---	---	---	---	---
2/17/97	72	6	84	0	0	75.77	217,193	82,560	5.50%	4,541	0	0
2/18/97	74	6	80	0	0	75.65	200,058	105,462	5.90%	6,222	0	0
2/19/97	82	4	88	0	0	75.52	181,177	105,462	4.80%	5,062	0	0
2/20/97	81	10	85	0	0	75.46	173,454	105,462	8.40%	8,859	0	0
2/21/97	78	5	88	0	0	75.44	170,692	105,462	5.10%	5,379	0	0
2/22/97	81	4	90	0	0	75.40	165,167	105,462	5.00%	5,273	0	0
2/23/97	---	---	---	---	---	---	---	---	---	---	---	---
2/24/97	75	14	78	0.5	122,175	75.68	204,309	105,462	11.00%	11,601	5,000	0
2/25/97	81	5	87	0	0	75.60	192,971	105,462	5.50%	5,800	10,000	0
2/26/97	82	8	79	0	0	75.45	172,073	105,462	8.00%	8,437	10,000	0
2/27/97	83	4	88	0	0	75.29	150,189	105,462	4.90%	5,168	10,000	0
2/28/97	86	4	84	0	0	75.14	130,112	105,462	5.20%	5,484	10,000	0
TOTAL	---	---	---	1.1	268,785	---	---	---	---	151,116	45,000	0
Current Gallons Stored			130,112					Total Landfill Acres	14			
Previous Gallons Stored			115,629					Closed	0			
Gallons Gained			14,483					Opened	7			
Treatment			45,000					Intermediate Cover	7			
Evaporation			151,116					Gallons Collected				
Lost			14,483					per acre/per day	1,074			
Total Gallons Collected			210,599									

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
1/1/97	--	--	--	0	0	--	--	0	N/A	0	0	0
1/2/97	76	4	79	0	0	76.60	345,099	105,462	5.20%	5,484	25,000	0
1/3/97	81	3	78	0	0	76.42	315,679	105,462	5.00%	5,273	25,000	0
1/4/97	81	4	87	0	0	76.24	287,228	105,462	5.10%	5,379	25,000	0
1/5/97	--	--	--	0	0	--	--	0	N/A	0	0	0
1/6/97	86	4	84	0	0	76.29	295,014	105,462	5.00%	5,273	25,000	0
1/7/97	80	3	79	0	0	76.11	267,258	105,462	5.00%	5,273	25,000	0
1/8/97	74	5	80	0	0	75.99	249,291	105,462	5.90%	6,222	25,000	0
1/9/97	80	11	77	0	0	75.85	228,770	105,462	9.50%	10,019	25,000	0
1/10/97	81	11	84	1.6	390,960	76.15	273,366	0	N/A	0	25,000	0
1/11/97	73	8	69	0	0	76.34	302,920	0	N/A	0	0	0
1/12/97	--	--	--	0	0	--	--	0	N/A	0	0	0
1/13/97	62	10	64	0	0	76.45	320,532	105,462	9.00%	9,492	25,000	0
1/14/97	68	6	96	0.4	97,740	76.39	310,857	105,462	5.40%	5,695	25,000	0
1/15/97	64	6	84	0	0	76.35	304,507	105,462	5.50%	5,800	25,000	0
1/16/97	70	11	87	0	0	76.21	282,557	105,462	8.30%	8,753	20,000	0
1/17/97	55	10	75	0	0	76.03	255,254	270,582	8.00%	21,647	0	0
1/18/97	56	8	51	0	0	75.85	228,770	270,582	8.10%	21,914	0	0
1/19/97	--	--	--	0	0	--	--	0	N/A	0	0	0
1/20/97	60	3	59	0	0	75.71	208,580	270,582	5.00%	13,529	0	0
1/21/97	70	3	65	0	0	75.53	183,177	270,582	5.10%	13,800	0	0
1/22/97	72	5	74	0	0	75.36	159,714	270,582	5.80%	15,667	0	0
1/23/97	74	4	86	0	0	75.23	142,116	270,582	4.90%	13,244	0	0
1/24/97	73	4	80	0	0	75.1	124,801	270,582	5.20%	14,055	0	0
1/25/97	76	3	90	0	0	74.97	107,851	270,582	4.40%	11,893	0	0
1/26/97	--	--	--	0	0	--	--	0	N/A	0	0	0
1/27/97	69	10	94	0.4	97,740	75.36	159,714	270,582	7.20%	19,482	0	0
1/28/97	79	3	80	0	0	75.23	142,116	270,582	4.90%	13,259	0	0
1/29/97	74	8	84	0	0	75.1	124,801	105,462	7.60%	8,015	0	0
1/30/97	70	6	94	0.3	73,305	75.16	132,768	270,582	5.40%	14,611	0	0
1/31/97	69	5	67	0	0	75.03	115,629	270,582	6.00%	16,235	0	0
<b>TOTAL</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2.7</b>	<b>659,745</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>270,014</b>	<b>295,000</b>	<b>0</b>
Previous Gallons Stored				327,002				Total Landfill Acres	14			
Current Gallons Stored				115,629								
Gallons Lost				211,373				Closed	0			
								Opened	7			
Treatment				295,000				Intermediate Cover	7			
Evaporation				270,014								
Lost				211,373				Gallons Collected				
								per acre/per day	1,630			
Total Gallons Collected				353,641								





# HARDEE COUNTY

Department of Solid Waste & Recycling Center

~~P.O. Box 246~~ 685 Airport Rd.  
Wauchula, Florida 33873

January 8, 1996

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

D.E.P.  
JAN 10 1997  
SOUTHWEST DISTRICT  
TAMPA

RE: Leachate Quantity Reporting

BA Dear Ms. Amram:

Enclosed for your review is the above referenced for the month of December, 1996. Please contact me should you have any questions.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
file

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN FALL	PREVIOUS GALLONS STORED	CURRENT GALLONS STORED	GALLONS EVAPORATED	GALLONS TREATED	TOTAL GALLONS COLLECTED	OPEN ACRES	INTER. ACRES	CLOSED ACRES	GALLONS COLLECTED PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY	3.1	1,053,108	703,155	180,866	625,000	455,913	9	5	0	1,634
AUGUST	7.4	2,003,670	1,031,977	127,177	625,000	1,080,999	9	5	0	3,875
SEPTEMBER	4.3	1,031,977	886,692	133,294	555,000	543,009	9	5	0	2,011
OCTOBER	4.4	886,692	806,733	227,052	640,000	787,093	9	5	0	2,821
NOVEMBER	0.6	806,733	430,264	220,625	540,000	384,156	9	5	0	1,423
DECEMBER	2.6	430,264	327,002	170,634	620,000	687,372	9	5	0	2,464

TOTALS  
= 465

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED	HUMIDIT	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
12/1/96	---	---	---	0	0	---	---	0	0	0	0	0
12/2/96	75	8	82	1.2	293,220	77.40	487,919	105,462	7.20%	7,593	20,000	0
12/3/96	71	7	84	0	0	77.40	487,919	105,462	6.90%	7,277	25,000	0
12/4/96	73	5	80	0	0	77.25	459,684	105,462	5.60%	5,906	25,000	0
12/5/96	76	5	85	0	0	77.10	432,064	105,462	5.50%	5,800	25,000	0
12/6/96	76	4	87	0	0	76.95	405,211	105,462	4.80%	5,062	25,000	0
12/7/96	78	6	84	0	0	76.88	392,884	105,462	6.00%	6,328	25,000	0
12/8/96	---	---	---	0	0	---	---	0	0.00%	0	0	0
12/9/96	68	7	78	1.4	342,090	77.66	538,606	105,462	6.50%	6,855	25,000	0
12/10/96	73	3	65	0	0	77.63	532,651	105,462	7.50%	7,910	25,000	0
12/11/96	72	8	69	0	0	77.74	554,612	105,462	8.30%	8,753	25,000	0
12/12/96	73	4	84	0	0	77.67	540,591	105,462	5.00%	5,273	25,000	0
12/13/96	76	4	88	0	0	77.64	534,636	105,462	4.90%	5,168	25,000	0
12/14/96	78	4	88	0	0	77.49	505,230	105,462	4.80%	5,062	25,000	0
12/15/96	---	---	---	0	0	---	---	0	0	0	0	0
12/16/96	78	5	83	0	0	77.6	526,695	105,462	5.60%	5,906	25,000	0
12/17/96	77	10	69	0	0	77.45	497,536	105,462	15.00%	15,819	25,000	0
12/18/96	75	8	78	0	0	77.3	468,993	105,462	8.00%	8,437	25,000	0
12/19/96	56	14	98	0	0	77.15	441,220	105,462	8.00%	8,437	25,000	0
12/20/96	54	10	50	0	0	77	414,060	105,462	9.30%	9,808	25,000	0
12/21/96	68	8	85	0	0	76.85	387,666	105,462	6.90%	7,277	25,000	0
12/22/96	---	---	---	0	0	---	---	0	0	0	0	0
12/23/96	68	5	89	0	0	76.85	387,666	105,462	5.00%	5,273	25,000	0
12/24/96	68	4	68	0	0	76.74	368,717	105,462	5.20%	5,484	25,000	0
12/25/96	---	---	---	0	0	---	---	0	0	0	0	0
12/26/96	76	4	80	0	0	76.64	351,812	105,462	5.20%	5,484	25,000	0
12/27/96	76	4	80	0	0	76.58	341,803	105,462	5.30%	5,589	25,000	0
12/28/96	80	3	79	0	0	76.53	333,564	105,462	5.00%	5,273	25,000	0
12/29/96	---	---	---	0	0	---	---	0	0	0	0	0
12/30/96	85	5	88	0	0	76.64	351,812	105,462	5.50%	5,800	25,000	0
12/31/96	83	3	86	0	0	76.49	327,002	105,462	4.80%	5,062	25,000	0
<b>TOTAL</b>	-----	-----	-----	2.6	635,310	-----	-----	-----	-----	170,634	620,000	0
Previous Gallons Stored			430,264					Total Landfill Acres	14			
Current Gallons Stored			327,002									
Lost			103,262					Closed	0			
								Opened	9			
Treatment			620,000					Intermediate Cover	5			
Evaporation			170,634									
Lost			103,262					Gallons Collected per acre/per day	2,464			
Total Gallons Collected			687,372									



# HARDEE COUNTY

## Department of Solid Waste & Recycling Center

~~P.O. Box 246~~ 685 Airport Rd.  
Wauchula, Florida 33873

D.E.P.

DEC 09 1996

SOUTH FLORIDA DISTRICT  
TAMPA

December 5, 1996

Department of Environmental Protections

MA Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate Quantity Reporting

Dear Ms. Amram:

Enclosed for your review is the above referenced for the month of November, 1996 Please contact me should you have any questions.

Sincerely,

Janice Williamson  
Executive Secretary  
Recycling Coordinator

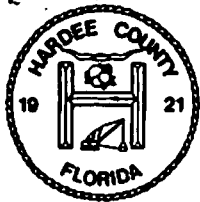
cc: J.R. Prestridge - Hardee County  
file

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY	3.1	1,053,108	703,155	180,866	625,000	455,913	9	5	0	1,634
AUGUST	7.4	2,003,670	1,031,977	127,177	625,000	1,080,999	9	5	0	3,875
SEPTEMBER	4.3	1,031,977	886,692	133,294	555,000	543,009	9	5	0	2,011
OCTOBER	4.4	886,692	806,733	227,052	640,000	787,093	9	5	0	2,821
NOVEMBER	0.6	✓ 806,733	✓ 430,264	✓ 220,625	✓ 540,000	384,156	9	5	0	1,423
DECEMBER										

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
11/1/96	87	3	75	0	0	78.79	783,219	105,462	5.40%	5,694	25,000	0
11/2/96	84	4	79	0	0	78.72	767,336	105,462	5.50%	5,800	25,000	0
11/3/96	---	---	---	0	0	---	---	0	n/a	0	0	0
11/4/96	82	11	73	0	0	78.79	783,219	105,462	11.00%	11,601	15,000	0
11/5/96	83	7	70	0	0	78.69	759,901	105,462	8.30%	8,753	25,000	0
11/6/96	87	3	71	0	0	78.57	732,425	105,462	5.90%	6,222	25,000	0
11/7/96	87	6	76	0	0	78.47	709,859	105,462	7.90%	8,331	25,000	0
11/8/96	78	8	86	0	0	78.42	698,686	105,462	7.00%	7,382	25,000	0
11/9/96	67	8	60	0.3	73,305	78.35	683,201	105,462	8.50%	8,964	25,000	0
11/10/96	---	---	---	0	0	---	---	0	n/a	0	0	0
11/11/96	68	6	57	0	0	78.35	683,201	105,462	7.20%	7,593	25,000	0
11/12/96	70	10	59	0	0	78.24	659,154	105,462	9.90%	10,441	25,000	0
11/13/96	69	10	65	0	0	78.15	639,763	105,462	9.30%	9,808	0	0
11/14/96	78	9	69	0	0	78.06	620,621	105,462	9.50%	10,019	0	0
11/15/96	70	15	85	0	0	78.03	614,293	105,462	10.00%	10,546	0	0
11/16/96	74	9	80	0	0	77.98	603,808	105,462	8.00%	8,437	25,000	0
11/17/96	---	---	---	0	0	---	---	0	n/a	0	0	0
11/18/96	78	5	75	0	0	77.98	603,808	105,462	6.00%	6,328	25,000	0
11/19/96	80	5	78	0	0	77.92	591,339	105,462	6.00%	6,328	25,000	0
11/20/96	79	3	60	0	0	77.88	583,087	105,462	5.60%	5,906	25,000	0
11/21/96	80	4	69	0	0	77.84	574,898	105,462	9.90%	10,441	25,000	0
11/22/96	78	6	85	0	0	77.75	556,628	105,462	5.80%	6,117	25,000	0
11/23/96	77	4	67	0	0	77.65	536,621	105,462	6.00%	6,328	25,000	0
11/24/96	---	---	---	0	0	---	---	0	n/a	0	0	0
11/25/96	76	10	56	0	0	77.70	546,547	105,462	14.00%	14,765	25,000	0
11/26/96	74	8	100	0.3	73,305	77.64	534,636	105,462	5.50%	5,800	25,000	0
11/27/96	70	8	61	0	0	77.51	509,107	105,462	9.00%	9,492	25,000	0
11/28/96	---	---	---	0	0	---	---	0	n/a	0	0	0
11/29/96	79	12	63	0	0	77.29	467,131	105,462	13.00%	13,710	25,000	0
11/30/96	78	14	66	0	0	77.09	430,264	105,462	15.00%	15,819	25,000	0
TOTAL	---	---	---	0.6	146,610	---	---	---	---	✓ 220,625	✓ 540,000	0
Previous Gallons Stored			806,733					Total Landfill Acres	14			
Current Gallons Stored			430,264									
Lost			376,469					Closed	0			
								Opened	9			
Treatment			540,000					Intermediate Cover	5			
Evaporation			220,625									
Lost			376,469					Gallons Collected				
								per acre/per day	1.423			
Total Gallons Collected			384,156									



# HARDEE COUNTY

Department of Solid Waste & Recycling Center

~~P.O. Box 246~~ 685 Airport Rd.  
Wauchula, Florida 33873

Kim —

DER

NOV 22 1996

TAMPA

November 18, 1996

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate Quantity Reporting

Dear Ms. Amram:

Enclosed for your review is the above referenced for the month of October, 1996. Please contact me should you have any questions.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
file

941  
Phone: (813) 773-5089 • FAX: (813) 773-0958  
941

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY	3.1	1,053,108	703,155	180,866	625,000	455,913	9	5	0	1,634
AUGUST	7.4	2,003,670	1,031,977	127,177	625,000	1,080,999	9	5	0	3,875
SEPTEMBER	4.3	1,031,977	886,692	133,294	555,000	543,009	9	5	0	2,011
OCTOBER	4.4	886,692	806,733	227,052	640,000	787,093	9	5	0	2,821
NOVEMBER										
DECEMBER										

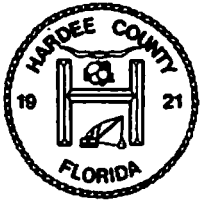


HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
10/1/96	84	10	60	0	0	79.13	864,586	102,617	15.00%	15,393	0	0
10/2/96	85	5	70	0.3	73,305	79.12	862,136	105,462	7.20%	7,593	25,000	0
10/3/96	81	4	69	0	0	79.08	852,392	105,462	6.90%	7,277	25,000	0
10/4/96	86	5	65	0	0	79.01	835,438	105,462	7.80%	8,226	25,000	0
10/5/96	85	8	70	0.2	48,870	78.92	813,878	105,462	9.20%	9,703	25,000	0
10/6/96	--	--	--	0	0	--	--	0	n/a	0	0	0
10/7/96	76	16	100	2.0	488,700	79.34	916,540	0	0	0	25,000	0
10/8/96	79	6	90	0.9	219,915	79.81	1,037,239	0	0	0	25,000	0
10/9/96	88	6	65	0	0	79.87	1,053,108	105,462	8.10%	8,542	25,000	0
10/10/96	86	8	65	0	0	79.80	1,034,594	105,462	10.00%	10,546	25,000	0
10/11/96	78	7	61	0	0	79.75	1,021,509	105,462	11.00%	11,601	25,000	0
10/12/96	82	7	67	0	0	79.67	1,000,655	105,462	8.20%	8,648	25,000	0
10/13/96	---	---	---	0	0	---	---	0	n/a	0	0	0
10/14/96	80	9	65	0	0	79.72	1,013,657	105,462	10.00%	10,546	25,000	0
10/15/96	80	14	76	0	0	79.64	992,887	105,462	12.00%	12,655	25,000	0
10/16/96	81	12	60	0	0	79.56	972,283	105,462	15.00%	15,819	25,000	0
10/17/96	82	6	85	0.2	48,870	79.52	962,036	105,462	6.20%	6,538	25,000	0
10/18/96	80	9	89	0.8	195,480	79.59	979,967	105,462	7.80%	8,226	25,000	0
10/19/96	74	13	65	0	0	79.54	967,159	105,462	12.00%	12,655	25,000	0
10/20/96	--	--	--	0	0	--	--	0	n/a	0	0	0
10/21/96	88	6	65	0	0	79.59	979,967	105,462	8.90%	9,386	25,000	0
10/22/96	80	6	75	0	0	79.47	949,312	105,462	7.00%	7,382	25,000	0
10/23/96	84	5	79	0	0	79.40	931,575	105,462	6.30%	6,644	25,000	0
10/24/96	83	5	80	0	0	79.29	904,038	105,462	6.40%	6,750	25,000	0
10/25/96	84	8	80	0	0	79.24	891,648	105,462	8.50%	8,964	25,000	0
10/26/96	89	8	88	0	0	79.14	867,036	105,462	7.80%	8,226	15,000	0
10/27/96	--	--	--	0	0	--	--	0	n/a	0	0	0
10/28/96	89	5	85	0	0	79.20	881,736	105,462	5.90%	6,222	25,000	0
10/29/96	88	6	81	0	0	79.11	859,686	105,462	7.00%	7,382	25,000	0
10/30/96	88	5	80	0	0	78.85	821,055	105,462	6.00%	6,328	25,000	0
10/31/96	87	3	74	0	0	78.89	806,733	105,462	5.50%	5,800	25,000	0
TOTAL	---	--	---	4.4	1,075,140	---	---	---	---	227,052	640,000	0
Previous Gallons Stored			886,692					Total Landfill Acres:	14			
Current Gallons Stored			806,733									
Lost			79,959					Closed	0			
								Opened	9			
Treatment			640,000					Intermediate Cover	5			
Evaporation			227,052									
Lost			79,959					Gallons Collected				
								per acre/per day	2,821			
Total Gallons Collected			787,093									

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

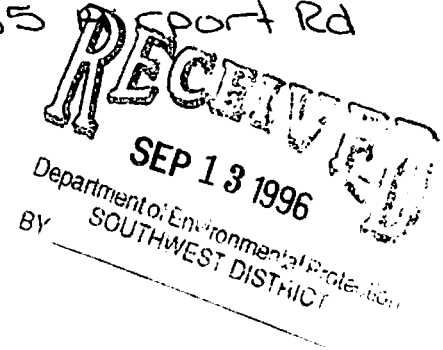
DATE	AIR TEMP.	WIND SPEED	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
9/1/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/2/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/3/96	91	4	78	0.2	48,870	79.87	1,053,108	105,462	5.50%	5,800	25,000	0
9/4/96	91	8	79	0	0	79.76	1,024,126	105,462	9.00%	9,492	25,000	0
9/5/96	91	7	78	0	0	79.61	985,118	105,462	8.00%	8,437	25,000	0
9/6/96	90	3	75	0.2	48,870	79.54	967,159	105,462	5.50%	5,800	25,000	0
9/7/96	92	3	88	0.4	97,740	79.46	946,778	105,462	4.50%	4,746	0	0
9/8/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/9/96	91	4	79	0.3	73,305	79.54	967,159	105,462	6.00%	6,328	25,000	0
9/10/96	91	8	84	0.3	73,305	79.46	946,778	105,462	8.00%	8,437	25,000	0
9/11/96	86	7	90	1.8	439,830	79.72	1,013,657	0	N/A	0	25,000	0
9/12/96	88	6	79	0.2	48,870	79.77	1,026,743	105,462	7.00%	7,382	25,000	0
9/13/96	87	4	77	0	0	79.72	1,013,657	105,462	6.00%	6,328	25,000	0
9/14/96	89	4	76	0	0	79.7	1,008,423	105,462	6.00%	6,328	25,000	0
9/15/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/16/96	89	8	79	0	0	79.77	1,026,743	105,462	8.00%	8,437	25,000	0
9/17/96	90	8	84	0	0	79.70	1,008,423	105,462	8.00%	8,437	25,000	0
9/18/96	89	5	79	0	0	79.64	992,887	105,462	6.50%	6,855	25,000	0
9/19/96	89	6	79	0	0	79.56	972,283	105,462	7.00%	7,382	25,000	0
9/20/96	87	4	84	0	0	79.51	959,475	45,860	5.50%	2,522	25,000	0
9/21/96	88	4	86	0	0	79.47	949,312	0	N/A	0	25,000	0
9/22/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/23/96	89	4	79	0.6	146,610	79.62	987,708	0	N/A	0	10,000	0
9/24/96	88	4	83	0	0	79.62	987,708	0	N/A	0	25,000	0
9/25/96	89	8	67	0	0	79.56	972,283	0	N/A	0	25,000	0
9/26/96	88	6	78	0	0	79.47	949,312	105,462	7.00%	7,382	25,000	0
9/27/96	89	7	72	0	0	79.34	916,540	105,462	8.50%	8,964	25,000	0
9/28/96	90	7	79	0	0	79.25	894,126	105,462	8.00%	8,437	25,000	0
9/29/96	--	--	--	0	0	--	--	0	N/A	0	0	0
9/30/96	88	6	89	0.3	73,305	79.22	886,692	105,462	5.50%	5,800	20,000	0
TOTAL	--	--	--	4.3	1,050,705	--	--	--	--	133,294	555,000	0
Previous Gallons Stored			1,031,977					Total Landfill Acres:	14			
Current Gallons Stored			886,692									
Lost			145,285									
Treatment			555,000					Closed	0			
Evaporation			133,294					Opened	9			
Lost			145,285					Intermediate Cover	5			
Total Gallons Collected			543,009					Gallons Collected per acre/per day	2,011			



# HARDEE COUNTY

## Department of Solid Waste & Recycling Center

~~PO Box 246~~ 685 Report Rd  
Wauchula, Florida 33873



September 11, 1996

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL ~~33873~~ 33619-8318

RE: Leachate Quantity Reporting

*Kim*  
Dear Ms. Amram:

Enclosed for your perusal is the above referenced for the month of August, 1996. Please contact me should you have any questions.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
file

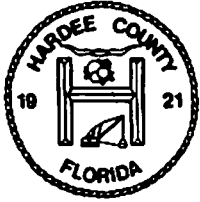
HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY	3.1	1,053,108	703,155	180,866	625,000	455,913	9	5	0	1,634
AUGUST	7.4	2,003,670	1,031,977	127,177	625,000	1,080,999	9	5	0	3,875
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

**RECEIVED**  
**SEP 13 1996**  
 Department of Environmental Protection  
 BY \_\_\_\_\_  
 SOUTHWEST DISTRICT

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
8/1/96	93	4	80	0.5	122,175	78.40	694,217	105,462	6.00%	6,328	25,000	0
2-Aug	90	4	89	0.2	48,870	78.38	698,811	105,462	5.00%	5,273	25,000	0
8/3/96	91	4	83	0	0	78.33	678,795	105,462	5.00%	5,273	25,000	0
8/4/96	---	---	---	0	0	---	---	0	n/a	0	0	0
8/5/96	90	4	87	1.0	439,830	78.78	780,950	105,462	5.00%	5,273	25,000	0
8/6/96	91	5	84	0	0	78.74	771,874	105,462	6.00%	6,328	25,000	0
8/7/96	92	4	79	0	0	78.65	750,711	105,462	6.00%	6,328	25,000	0
8/8/96	88	4	96	0	0	78.64	748,413	105,462	4.00%	4,218	25,000	0
8/9/96	87	4	89	0.8	195,480	78.74	771,874	105,462	5.00%	5,273	25,000	0
8/10/96	89	4	85	0	0	78.74	771,874	105,462	5.00%	5,273	25,000	0
8/11/96	---	---	---	0	0	---	---	0	n/a	0	0	0
8/12/96	88	8	96	0.2	48,870	78.85	797,291	105,462	6.00%	6,328	25,000	0
8/13/96	88	5	89	0	0	78.73	769,605	105,462	5.50%	5,800	25,000	0
8/14/96	90	4	86	0.6	146,610	78.78	780,950	105,462	5.00%	5,273	25,000	0
8/15/96	91	4	85	0	0	78.74	771,874	105,462	5.00%	5,273	25,000	0
9/16/96	90	4	88	0.8	195,480	78.94	818,663	105,462	5.00%	5,273	25,000	0
8/17/96	91	3	86	0	0	78.9	809,094	105,462	4.50%	4,746	25,000	0
8/18/96	---	---	---	0	0	---	---	0	n/a	0	0	0
8/19/96	90	8	81	0.8	195,480	79.19	879,286	105,462	8.00%	8,437	25,000	0
8/20/96	90	8	86	0	0	79.14	867,036	105,462	7.00%	7,382	25,000	0
8/21/96	92	7	87	0	0	79.05	845,126	105,462	7.00%	7,382	25,000	0
8/22/96	91	7	88	0	0	79.01	835,438	105,462	6.50%	6,855	25,000	0
8/23/96	92	4	88	0	0	79.01	835,438	82,560	5.00%	4,128	25,000	0
8/24/96	91	5	75	0.3	73,305	79.11	859,686	82,560	7.00%	5,779	25,000	0
8/25/96	---	---	---	0	0	---	---	0	n/a	0	0	0
8/26/96	89	4	78	2.2	537,570	79.77	1,026,743	82,560	6.00%	4,954	25,000	0
8/27/96	92	3	87	0	0	79.82	1,039,884	0	n/a	0	0	0
8/28/96	93	4	89	0	0	79.82	1,039,884	0	n/a	0	0	0
8/29/96	91	4	79	0	0	79.82	1,039,884	0	n/a	0	25,000	0
8/30/96	90	4	88	0	0	79.79	1,031,977	0	n/a	0	25,000	0
8/31/96	91	4	86	0	0	79.79	1,031,977	0	n/a	0	25,000	0
TOTAL	---	---	---	7.4	2,003,670	---	---	---	---	127,177	625,000	0
Current Gallons Stored			1,031,977					Total Landfill Acres:	14			
Previous Gallons Stored			703,155									
Gained			328,822									
								Closed	0			
Treatment			625,000					Opened	9			
Evaporation			127,177					Intermediate Cover	5			
Gained			328,822									
Total Gallons Collected			1,080,999					Gallons Collected per acre/per day	3,875			



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246 685 Airport Rd.  
Wauchula, Florida 33873

**RECEIVED**  
AUG 21 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

August 15, 1996

Department of Environmental Protections  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate Quantity Reporting

Dear Ms. Amram:

Enclosed, for your review, is the above referenced for the month of July, 1996. Please feel free to call should you have any questions or comments.

Thank You,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
file

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
7/1/96	90	3	40	0	0	79.9	1,061,043	105,462	9.00%	9,492	25,000	0
7/2/96	89	5	60	0	0	79.72	1,013,657	105,462	9.00%	9,492	0	0
7/3/96	93	6	80	0	0	79.66	998,065	105,462	7.50%	7,910	25,000	0
7/4/96	---	---	---	0	0	---	---	0	n/a	0	0	0
7/5/96	87	5	99	0.7	171,045	79.71	1,011,040	105,462	4.50%	4,746	25,000	0
7/6/96	89	4	95	0.4	97,740	79.67	1,000,655	105,462	4.50%	4,746	25,000	0
7/7/96	---	---	---	0	0	---	---	0	n/a	0	0	0
7/8/96	88	4	98	0.5	122,175	79.82	1,039,884	105,462	4.00%	4,218	25,000	0
7/9/96	90	4	86	0	0	79.72	1,013,657	105,462	5.00%	5,273	25,000	0
7/10/96	87	4	84	0.2	48,870	79.65	995,476	105,462	5.00%	5,273	25,000	0
7/11/96	89	5	83	0	0	79.56	972,283	105,462	6.00%	6,328	25,000	0
7/12/96	88	5	98	0	0	79.47	949,312	105,462	4.50%	4,746	25,000	0
7/13/96	93	5	79	0.6	146,610	79.54	967,610	105,462	7.00%	7,382	25,000	0
7/14/96	---	---	---	0	0	---	---	0	n/a	0	0	0
7/15/96	93	5	70	0	0	79.54	967,159	105,462	8.00%	8,437	25,000	0
7/16/96	94	6	85	0	0	79.43	939,176	105,462	7.00%	7,382	25,000	0
7/17/96	92	4	79	0	0	79.32	911,528	105,462	6.00%	6,328	25,000	0
7/18/96	93	4	60	0	0	79.21	884,214	105,462	8.50%	8,964	25,000	0
7/19/96	93	2	59	0	0	79.1	857,236	105,462	7.00%	7,382	25,000	0
7/20/96	92	3	64	0	0	78.99	830,624	105,462	7.00%	7,382	25,000	0
7/21/96	---	---	---	0	0	---	---	0	n/a	0	0	0
7/22/96	93	3	62	0	0	78.99	830,624	105,462	7.50%	7,910	25,000	0
7/23/96	92	3	80	0	0	78.92	813,878	105,462	5.50%	5,800	25,000	0
7/24/96	95	3	80	0	0	78.92	813,878	105,462	5.50%	5,800	25,000	0
7/25/96	93	4	88	0	0	78.76	776,412	105,462	5.50%	5,800	25,000	0
7/26/96	92	8	80	0	0	78.68	757,603	105,462	8.50%	8,964	25,000	0
7/27/96	91	5	80	0	0	78.6	739,223	105,462	6.50%	6,855	25,000	0
7/28/96	---	---	---	0	0	---	---	0	n/a	0	0	0
7/29/96	94	4	60	0	0	78.6	739,223	105,462	9.00%	9,492	25,000	0
7/30/96	94	5	79	0	0	78.44	703,155	105,462	7.00%	7,382	25,000	0
7/31/96	93	5	80	0.7	171,045	78.44	703,155	105,462	7.00%	7,382	25,000	0
TOTAL	---	---	---	3.1	757,485	---	---	---	---	180,866	625,000	0
Previous gallons stored			1,053,108					Total Landfill Acres: 14.00				
Current gallons stored			703,155									
Lost			349,953									
Treatment			625,000					Closed	0			
Evaporation			180,866					Opened	9			
Lost			349,953					Intermediate Cover	5			
Total Gallons Collected			455,913					Gallons collected per acre/per day	1,634			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY	3.1	1,053,108	703,155	180,866	625,000	455,913	9	5	0	1,634
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

*Kim*

July 2, 1996

Department of Environmental Protections  
Attention: Allison Amram  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, FL 33619

RECEIVED  
JUL - 8 1996

Environmental Protection  
DISTRICT  
67

RE: Leachate Quantity Report - June, 1996

Dear Ms. Amram:

Submitted for your review is the above referenced. Please feel free to contact me should you have any questions.

Thank You,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: J.R. Prestridge - Hardee County  
file

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED MPH	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THOROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
6/1/96	95	7	84	1.4	342,090	79.51	959,475	0	n/a	0	0	0
6/2/96	---	---	---	0	0	---	---	0	n/a	0	0	0
6/3/96	88	5	56	0.3	173,834	79.69	1,005,834	105,462	9.00%	9,492	25,000	0
6/4/96	90	5	45	0	0	79.56	972,283	105,462	11.00%	11,601	25,000	0
6/5/96	88	6	43	0	0	79.44	941,710	105,462	13.00%	13,710	20,000	0
6/6/96	93	6	54	0	0	79.34	916,540	105,462	13.00%	13,710	25,000	0
6/7/96	88	5	50	0	0	79.26	896,604	105,462	10.00%	10,546	0	0
6/8/96	90	6	70	0	0	79.18	876,836	105,462	8.00%	8,437	0	0
6/9/96	---	---	---	0	0	---	---	0	n/a	0	0	0
6/10/96	80	6	85	2.0	488,700	79.86	1,050,463	0	n/a	0	0	0
6/11/96	86	5	84	0	0	79.86	1,050,463	105,462	5.50%	5,800	0	0
6/12/96	85	6	80	0.4	97,740	79.97	1,079,752	105,462	7.00%	7,382	0	0
6/13/96	90	6	84	0	0	80.02	1,093,115	105,462	6.00%	6,382	25,000	0
6/14/96	93	4	80	0	0	79.87	1,053,108	105,462	6.00%	6,328	20,000	0
6/15/96	94	5	78	0	0	79.87	1,053,108	0	n/a	0	5,000	0
6/16/96	---	---	---	0	0	---	---	0	n/a	0	0	0
6/17/96	93	7	74	0.3	73,305	79.96	1,077,079	0	n/a	0	5,000	0
6/18/96	94	6	86	0	0	79.96	1,077,079	0	n/a	0	10,000	0
6/19/96	98	5	87	0	0	79.96	1,077,079	105,462	5.50%	5,800	0	0
6/20/96	94	6	99	0.3	73,305	79.93	1,069,061	105,462	4.50%	4,746	0	0
6/21/96	88	5	84	1.0	244,350	80.11	1,117,168	105,462	5.50%	5,800	0	0
6/22/96	93	5	80	0.6	146,610	80.22	1,146,610	105,462	7.00%	7,382	25,000	0
6/23/96	---	---	---	0	0	---	---	0	n/a	0	0	0
6/24/96	90	4	88	0	0	80.17	1,133,206	0	n/a	0	5,000	0
6/25/96	94	8	89	0	0	80.2	1,141,221	105,462	8.00%	8,437	25,000	0
6/26/96	95	5	79	0	0	80.07	1,106,480	105,462	7.00%	7,382	25,000	0
6/27/96	90	4	88	0	0	79.97	1,079,752	105,462	5.00%	5,273	25,000	0
6/28/96	89	5	80	0.3	73,305	79.91	1,063,716	105,462	5.50%	5,800	25,000	0
6/29/96	86	4	79	0.3	73,305	79.87	1,053,108	105,462	5.50%	5,800	25,000	0
6/30/96	---	---	---	0	0	---	---	0	n/a	0	0	0
TOTAL	---	---	---	6.9	1,786,544	---	---	---	---	149,862	315,000	0
Current Gallons Stored			1,053,108							Total Landfil Acres* 14.00		
Previous Gallons Stored			811,486									
Collected			241,622									
Treatment			315,000							Closed	0	
Evaporation			149,862							Opened	9	
Collected			241,622							Intermediate Cover	5	
Total Gallons Collected			706,484							Gallons collected per acre/ per day	2,617	

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE	6.9	811,486	1,053,108	149,862	315,000	241,622	9	5	0	2,617
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
JUL - 3 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

June 27, 1996

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, Fl 33619

RE: Leachate Quantity Reports submitted on June 21, 1996

Dear Mr. Ford:

Thank you for bringing to my attention, the errors made on the estimated gallons stored for May 30 and 31. I have made the corrections on the enclosed sheets which should replace the previously submitted. As always, I appreciate your advice and guidance so should you have any further questions or comments I may be reached at the number below.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: Allison Amram, DEP  
J.R. Prestridge, Hardee County

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
5/1/96	76	7	80	0	0	79.81	1,037,239	105,462	7.00%	7,382	20,000	0
5/2/96	83	6	64	0	0	79.77	1,026,743	105,462	8.00%	8,437	25,000	0
5/3/96	73	5	65	0	0	79.72	1,013,657	105,462	6.50%	6,855	25,000	0
5/4/96	73	5	65	0	0	79.64	992,887	105,462	6.50%	6,855	25,000	0
5/5/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/6/96	85	4	49	0	0	79.54	967,159	105,462	8.50%	8,964	0	0
5/7/96	90	6	51	0	0	79.43	939,176	105,462	12.00%	12,655	0	0
5/8/96	93	8	50	0	0	79.3	906,516	105,462	16.00%	16,874	15,000	0
5/9/96	80	4	49	0	0	79.17	874,386	105,462	8.00%	8,437	25,000	0
5/10/96	90	5	50	0	0	79.07	849,907	105,462	10.00%	10,546	25,000	0
5/11/96	93	6	56	0	0	78.97	825,839	105,462	13.00%	13,710	0	0
5/12/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/13/96	95	4	60	0	0	78.97	825,839	105,462	9.00%	9,492	25,000	0
5/14/96	93	5	49	0	0	78.94	818,663	105,462	11.00%	11,600	25,000	0
5/15/96	95	7	49	0	0	78.87	802,012	105,462	16.00%	16,874	0	0
5/16/96	90	5	49	0	0	78.81	787,849	105,462	10.00%	10,546	25,000	0
5/17/96	93	6	49	0	0	78.71	765,067	105,462	14.00%	14,765	0	0
5/18/96	94	4	42	0	0	78.58	734,691	105,462	12.00%	12,655	0	0
5/19/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/20/96	95	6	40	0	0	78.58	734,691	105,462	16.00%	16,874	25,000	0
5/21/96	78	5	100	0.9	219,915	78.63	746,116	0	n/a	0	25,000	0
5/22/96	75	8	84	0.2	48,870	78.79	783,219	105,462	7.00%	7,382	25,000	0
5/23/96	89	5	54	0	0	78.71	765,067	105,462	9.00%	9,942	25,000	0
5/24/96	89	8	84	0	0	78.64	748,413	105,462	7.50%	7,910	0	0
5/25/96	95	5	49	1.1	268,785	78.93	816,271	0	n/a	0	0	0
5/26/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/27/96	91	5	70	0	0	78.82	790,209	134,319	8.00%	10,746	0	0
5/28/96	89	14	85	0	0	78.82	790,209	105,462	11.00%	11,601	0	0
5/29/96	85	6	83	0	0	78.72	767,336	105,462	6.00%	6,328	0	0
5/30/96	85	6	95	0.7	171,045	78.9	809,094	0	n/a	0	0	0
5/31/96	95	6	75	0.8	195,480	78.91	811,486	0	n/a	0	20,000	0
TOTAL				3.7	904,095					247,430	355,000	
Previous Gallons Stored			936,643					Total Landfill Acres:14.00				
Current Gallons Stored			811,486									
Lost			125,157									
Treatment			355,000					Closed	0			
Evaporation			247,430					Opened	9			
Lost			125,157					Intermediate Cover	5			
Total Gallons Collected			477,273					Gallons collected per acre/per day	1,711			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	811,486	247,430	355,000	477,273	9	5	0	1,711
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**

P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
JUL - 3 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT

BY \_\_\_\_\_

June 27, 1996

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, FL 33619

RE: Leachate Quantity Reports submitted on June 21, 1996

Dear Mr. Ford:

Thank you for bringing to my attention, the errors made on the estimated gallons stored for May 30 and 31. I have made the corrections on the enclosed sheets which should replace the previously submitted. As always, I appreciate your advice and guidance so should you have any further questions or comments I may be reached at the number below.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

cc: Allison Amram, DEP  
J.R. Prestridge, Hardee County

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 6/27/96 Subject LOCUST HILL MANAGEMENT

Time 9:00 Permit No. \_\_\_\_\_

County HANDLER

M. JR PASTORALE Telephone No. (941) 773 5089

Representing HANDLER LANDOWN

[ ] Phoned Me [  ] Was Called [ ] Scheduled Meeting [ ] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting \_\_\_\_\_

Summary of Conversation/Meeting \_\_\_\_\_

JR SAID HAULING WOULD INCREASE AGAIN. —  
PAST PROBLEMS DUE TO STAFF WITH TRACTOR.  
TRUCK/TRAILER DOWN FOR REPAIRS  
JR SAID PROBS BT \$600,000 FOR NEW LNER  
ON S. SIDE. I SUGGESTED JR WRITE BUREAU  
TO ASK FOR DESIGN REQUIREMENTS / PERMITTING PRIOR TO  
SUBMITAL - CERTIFIED. JR SAID HE ALSO  
PLANS TO ASK DBS FOR ALTERNATIVE DESIGNS & COSTS  
FOR EACH FOR COMPARISON. I ASKED IF CURRENT  
FLOW OUT OF LCRS PIPE IS METERS. JR SAID NO.

(continue on another sheet, if necessary)

Signature [Signature]

Title \_\_\_\_\_





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

June 21, 1996

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, FL 33619

**RECEIVED**  
JUN 25 1996

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

RE: Leachate Quantity Reporting

Dear Mr. Ford:

Attached are the Daily Water Balances/Leachate Quantity Reports for the portion of this year past. I have made some changes and corrections so please replace previous reports with these. The summary format that you requested I use, did not fit the operation of our leachate management. Therefore, I developed a site specific annual summary which I believe will meet the required "quick and easy reference" summary that you requested.

Should you have any questions or comments please feel free to contact me.

Sincerely,

*Janice Williamson*

Janice Williamson  
Executive Secretary  
Recycling Coordinator

cc: Allison Amram, DEP  
J.R. Prestridge, Hardee County



# HARDEE COUNTY

## Department of Solid Waste & Recycling Center

P.O. Box 246

Wauchula, Florida 33873

*Bob  
Susan  
PLI RETURN  
FOR  
JULIEN  
TIA  
Kim  
6/26/96*

RECEIVED  
JUN 25 1996  
Depa.  
BY

June 21, 1996

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, FL 33619

RE: Leachate Quantity Reporting

Dear Mr. Ford:

Attached are the Daily Water Balances/Leachate Quantity Reports for the portion of this year past. I have made some changes and corrections so please replace previous reports with these. The summary format that you requested I use, did not fit the operation of our leachate management. Therefore, I developed a site specific annual summary which I believe will meet the required "quick and easy reference" summary that you requested.

Should you have any questions or comments please feel free to contact me.

Sincerely,

*Janice  
Williamson*

Janice Williamson  
Executive Secretary  
Recycling Coordinator

cc: Allison Amram, DEP  
J.R. Prestridge, Hardee County

HARDEE COUNTY SOLID WASTE DEPARTMENT  
1996 WATER BALANCE

MONTH	RAIN	PREVIOUS	CURRENT	GALLONS	GALLONS	TOTAL	OPEN	INTER.	CLOSED	GALLONS
	FALL	GALLONS	GALLONS	EVAPORATED	TREATED	GALLONS	ACRES	ACRES	ACRES	COLLECTED
		STORED	STORED			COLLECTED				PER ACRE/PER DAY
JANUARY	4.7	1,218,730	1,240,110	117,529	525,000	663,909	9	5	0	2,380
FEBRUARY	1.5	1,240,110	1,024,126	152,484	515,000	451,500	9	5	0	1,730
MARCH	3.9	1,024,126	1,098,461	205,611	360,000	639,946	9	5	0	2,294
APRIL	3.4	1,098,461	936,643	178,034	375,000	391,216	9	5	0	1,449
MAY	3.7	936,643	1,063,716	247,430	355,000	729,503	9	5	0	2,615
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
5/1/96	76	7	80	0	0	79.81	1,037,239	105,462	7.00%	7,382	20,000	0
5/2/96	83	6	64	0	0	79.77	1,026,743	105,462	8.00%	8,437	25,000	0
5/3/96	73	5	65	0	0	79.72	1,013,657	105,462	6.50%	6,855	25,000	0
5/4/96	73	5	65	0	0	79.64	992,887	105,462	6.50%	6,855	25,000	0
5/5/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/6/96	85	4	49	0	0	79.54	967,159	105,462	8.50%	8,964	0	0
5/7/96	90	6	51	0	0	79.43	939,176	105,462	12.00%	12,655	0	0
5/8/96	93	8	50	0	0	79.3	906,516	105,462	16.00%	16,874	15,000	0
5/9/96	80	4	49	0	0	79.17	874,386	105,462	8.00%	8,437	25,000	0
5/10/96	90	5	50	0	0	79.07	849,907	105,462	10.00%	10,546	25,000	0
5/11/96	93	6	56	0	0	78.97	825,839	105,462	13.00%	13,710	0	0
5/12/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/13/96	95	4	60	0	0	78.97	825,839	105,462	9.00%	9,492	25,000	0
5/14/96	93	5	49	0	0	78.94	818,663	105,462	11.00%	11,600	25,000	0
5/15/96	95	7	49	0	0	78.91	802,012	105,462	16.00%	16,874	0	0
5/16/96	90	5	49	0	0	78.81	787,849	105,462	10.00%	10,546	25,000	0
5/17/96	93	6	49	0	0	78.71	765,067	105,462	14.00%	14,765	0	0
5/18/96	94	4	42	0	0	78.58	754,655	105,462	12.00%	12,655	0	0
5/19/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/20/96	95	6	40	0	0	78.58	731,991	105,462	16.00%	16,874	25,000	0
5/21/96	78	5	100	0.9	219,915	78.63	746,116	0	n/a	0	25,000	0
5/22/96	75	8	84	0.2	48,870	78.79	783,219	105,462	7.00%	7,382	25,000	0
5/23/96	89	5	54	0	0	78.71	765,067	105,462	9.00%	9,942	25,000	0
5/24/96	89	8	84	0	0	78.64	748,413	105,462	7.50%	7,910	0	0
5/25/96	95	5	49	1.1	268,785	78.93	816,271	0	n/a	0	0	0
5/26/96	---	---	---	0	0	---	---	0	n/a	0	0	0
5/27/96	91	5	70	0	0	78.82	790,209	134,319	8.00%	10,746	0	0
5/28/96	89	14	85	0	0	78.82	790,209	105,462	11.00%	11,601	0	0
5/29/96	85	6	83	0	0	78.72	767,336	105,462	6.00%	6,328	0	0
5/30/96	85	6	95	0.7	171,045	78.9	X 1,061,043	0	n/a	0	0	0
5/31/96	95	6	75	0.8	195,480	78.91	X 1,063,716	0	n/a	0	20,000	0
TOTAL				3.7	904,095					247,430	355,000	
Current Gallons Stored			1,063,716					Total Landfill Acres:14.00				
Previous Gallons Stored			936,643									
Collected			127,073									
Treatment			355,000					Closed	0			
Evaporation			247,430					Opened	9			
Collected			127,073					Intermediate Cover	5			
Total Gallons Collected			729,503					Gallons collected per acre/per day	2,615			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
4/1/96	65	12	84	0.8	195,480	80.34	1,170,620	82,560	8.00%	6,605	0	0
4/2/96	60	15	87	0	0	80.38	1,189,331	105,462	9.00%	9,492	0	0
4/3/96	60	4	76	0	0	80.34	1,178,639	105,462	4.50%	4,746	0	0
4/4/96	75	6	65	0	0	80.32	1,173,293	105,462	7.00%	7,382	0	0
4/5/96	75	6	64	0	0	80.34	1,178,639	105,462	7.00%	7,382	0	0
4/6/96	83	4	65	0	0	80.34	1,178,639	105,462	6.00%	6,328	0	0
4/7/96	---	---	---	0	0	---	---	0	N/A	0	0	0
4/8/96	75	4	80	0.4	97,740	80.39	1,192,004	105,462	5.00%	5,273	25,000	0
4/9/96	62	5	96	0	0	80.36	1,183,985	105,462	5.00%	5,273	25,000	0
4/10/96	75	14	50	0	0	80.27	1,159,932	105,462	16.00%	16,874	0	0
4/11/96	57	4	84	0	0	80.25	1,154,586	105,462	4.50%	4,746	25,000	0
4/12/96	80	3	49	0	0	80.17	1,133,206	105,462	7.00%	7,382	25,000	0
4/13/96	75	4	50	0	0	80.14	1,125,187	105,462	7.00%	7,382	20,000	0
4/14/96	---	---	---	0	0	---	---	0	N/A	0	0	0
4/15/96	73	4	50	0	0	80.17	1,133,206	105,462	7.00%	7,382	25,000	0
4/16/96	67	14	84	0.2	48,870	80.12	1,119,841	105,462	9.00%	9,492	25,000	0
4/17/96	63	6	84	0	0	80	1,087,769	105,462	5.50%	5,800	25,000	0
4/18/96	75	4	83	0	0	79.92	1,066,388	105,462	5.00%	5,273	25,000	0
4/19/96	74	10	54	0	0	79.85	1,047,819	105,462	12.00%	12,655	0	0
4/20/96	72	4	83	0	0	79.81	1,037,239	105,462	4.50%	4,746	25,000	0
4/21/96	---	---	---	0	0	---	---	0	N/A	0	0	0
4/22/96	75	10	84	0	0	79.75	1,021,509	105,462	8.00%	8,437	10,000	0
4/23/96	83	4	69	0	0	79.67	1,000,655	105,462	6.00%	6,328	25,000	0
4/24/96	75	5	84	0	0	79.62	987,708	105,462	5.00%	5,273	25,000	0
4/25/96	83	4	75	0	0	79.59	979,967	105,462	5.50%	5,800	25,000	0
4/26/96	79	5	84	0	0	79.5	956,913	105,462	5.00%	5,273	20,000	0
4/27/96	83	4	65	0	0	79.46	946,778	105,462	6.00%	6,328	0	0
4/28/96	---	---	---	0	0	---	---	0	N/A	0	0	0
4/29/96	79	6	86	0	0	79.42	936,643	105,462	6.00%	6,328	25,000	0
4/30/96	75	9	100	2.0	488,700	79.42	936,643	0	N/A	0	0	0
TOTAL	---	---	---	3.4	830,790	---	---	---	---	178,034	375,000	0
Current Gallons Stored			1,098,461									
Previous Gallons Stored lost			936,643 161,818									
Treatment			375,000									
Evaporation lost			178,034 161,818									
Total Gallons Collected			391,216									
								Total Landfill Acres: 14.00				
								Closed:	0	Total gallons		
								Opened:	9	collected per		
								Intermediate Cover:	5	day/per acre	1,449	

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
3/1/96	83	2	64	0	0	79.76	1,024,126	105,462	5.00%	5,273	0	0
3/2/96	75	3	100	1	244,350	79.85	0	0	N/A	0	0	0
3/3/96	--	--	--	0	0	--	--	0	N/A	0	0	0
3/4/96	73	35	60	0.3	73,305	80.16	1,130,533	105,462	18.00%	18,983	25,000	0
3/5/96	82	16	59	0	0	80.07	1,106,480	105,462	17.00%	17,929	20,000	0
3/6/96	80	9	65	0	0	80.01	1,090,442	105,462	10.00%	10,546	25,000	0
3/7/96	78	9	95	0	0	79.97	1,079,752	105,462	7.00%	7,382	25,000	0
3/8/96	65	15	90	0.4	97,740	79.98	1,082,424	84,560	9.00%	7,610	0	0
3/9/96	49	12	85	0	0	79.96	1,077,079	105,462	7.00%	7,382	0	0
3/10/96	--	--	--	0	0	--	--	0	N/A	0	0	0
3/11/96	47	15	84	0.7	171,045	80.22	1,146,567	0	N/A	0	0	0
3/12/96	64	8	48	0	0	80.22	1,146,567	105,462	9.00%	9,492	25,000	0
3/13/96	76	30	84	0	0	80.26	1,157,259	0	N/A	0	0	0
3/14/96	75	13	65	0	0	80.28	1,162,605	105,462	12.00%	12,655	0	0
3/15/96	82	17	80	0	0	80.31	1,170,620	0	N/A	0	0	0
3/16/96	80	13	64	0	0	80.33	1,175,966	105,462	14.00%	14,765	0	0
3/17/96	--	--	--	0	0	--	--	0	N/A	0	0	0
3/18/96	75	30	65	0	0	80.37	1,186,658	0	N/A	0	0	0
3/19/96	75	35	63	0	0	80.39	1,192,004	0	N/A	0	25,000	0
3/20/96	65	10	54	0	0	80.34	1,178,639	84,560	10.00%	8,456	25,000	0
3/21/96	47	18	54	0	0	80.27	1,159,932	84,560	14.00%	11,838	25,000	0
3/22/96	75	6	85	0	0	80.22	1,146,567	105,462	6.00%	6,328	25,000	0
3/23/96	65	6	50	0	0	80.11	1,117,168	105,462	8.00%	8,437	0	0
3/24/96	--	--	--	0	0	--	--	0	N/A	0	0	0
3/25/96	83	10	54	0	0	80.07	1,106,480	105,462	15.00%	15,819	15,000	0
3/26/96	83	5	54	0	0	79.97	1,079,752	105,462	9.00%	9,492	25,000	0
3/27/96	84	9	49	0	0	79.86	1,050,463	105,462	15.00%	15,819	25,000	0
3/28/96	65	7	96	1.1	268,785	79.95	1,074,406	82,560	5.50%	4,541	25,000	0
3/29/96	73	8	96	0.4	97,740	80.06	1,103,807	82,560	6.00%	4,954	25,000	0
3/30/96	84	5	65	0	0	80.04	1,098,461	105,462	7.50%	7,910	25,000	0
3/31/96	--	--	--	0	0	--	--	0	N/A	0	0	0
TOTAL	--	--	--	3.9	952,965	--	--	--	--	205,611	360,000	0
Current gallons stored			1,098,461					Total landfill Acres:	14			
Previous gallons stored			1,024,126									
Collected			74,335									
Treatment			360,000					Closed	0			
Evaporation			205,611					Opened	9			
Collected			74,335					Intermediate Cover	5			
Total gallons collected			639,946					Total gallons collected				
								per acre / per day	2,294			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
2/1/96	80	4	78	0	0	80.47	1,213,384	105,462	5.00%	5,273	25,000	0
2/2/96	80	7	94	0	0	80.44	1,205,365	105,462	6.00%	6,328	25,000	0
2/3/96	---	---	---	0	0	---	---	0	N/A	0	0	0
2/4/96	---	---	---	0	0	---	---	0	N/A	0	0	0
2/5/96	90	14	50	0.9	219,915	80.72	1,280,197	105,462	10.00%	10,546	0	0
2/6/96	60	8	64	0	0	80.66	1,264,163	105,462	7.00%	7,382	25,000	0
2/7/96	62	7	80	0	0	80.56	1,237,437	105,462	6.00%	6,328	25,000	0
2/8/96	75	6	80	0	0	80.49	1,218,730	105,462	6.00%	6,328	25,000	0
2/9/96	76	5	80	0	0	80.45	1,208,038	105,462	5.50%	5,800	25,000	0
10-Feb	77	5	81	0	0	80.4	1,194,673	105,462	5.50%	5,800	25,000	0
2/11/96	---	---	---	0	0	---	---	0	N/A	0	0	0
2/12/96	49	15	64	0	0	80.45	1,208,038	105,462	9.00%	9,492	25,000	0
2/13/96	60	5	67	0	0	80.34	1,178,639	105,462	5.00%	5,273	15,000	0
2/14/96	70	5	60	0	0	80.27	1,159,932	105,462	7.00%	7,382	0	0
2/15/96	75	4	84	0	0	80.25	1,154,586	105,462	5.00%	5,273	0	0
2/16/96	57	10	97	0.6	146,610	80.35	1,181,312	82,560	6.50%	5,366	25,000	0
2/17/96	50	7	59	0	0	80.34	1,178,639	105,462	6.00%	6,328	25,000	0
2/18/96	---	---	---	0	0	---	---	0	N/A	0	0	0
2/19/96	75	5	90	0	0	80.34	1,178,639	105,462	5.00%	5,273	25,000	0
2/20/96	74	7	94	0	0	80.24	1,151,913	105,462	5.50%	5,800	25,000	0
2/21/96	73	7	94	0	0	80.19	1,138,552	105,462	5.50%	5,800	25,000	0
2/22/96	75	4	59	0	0	80.12	1,119,841	105,462	7.00%	7,382	25,000	0
2/23/96	76	4	83	0	0	80.03	1,095,788	105,462	5.00%	5,273	25,000	0
2/24/96	80	3	74	0	0	79.96	1,077,079	105,462	5.00%	5,273	25,000	0
2/25/96	---	---	---	0	0	---	---	0	N/A	0	0	0
2/26/96	85	3	64	0	0	80	1,087,769	105,462	6.00%	6,328	25,000	0
2/27/96	84	3	64	0	0	79.93	1,069,061	105,462	6.00%	6,328	25,000	0
2/28/96	85	2	67	0	0	79.85	1,047,819	105,462	5.00%	5,273	25,000	0
2/29/96	82	3	64	0	0	79.76	1,024,126	105,462	6.50%	6,855	25,000	0
TOTAL	---	---	---	1.5	366,525	---	---	---	---	152,484	515,000	0
Previous gallons stored			1,240,110					Total Landfill Acres:	14			
Current gallons stored			1,024,126									
Lost			215,984									
Treatment			515,000					Closed	0			
Evaporation			152,484					Opened	9			
Lost			215,984					Intermediate Cover	5			
Total gallons collected			451,500					Total Gallons Collected				
								per/acre per/day	1,730			

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
1/1/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/2/96	78	9	94	2.3	562,005	80.95	1,341,666	82,560	6.50%	5,366	25,000	0
1/3/96	70	6	94	1.2	293,220	81.22	1,413,827	82,560	5.00%	4,128	25,000	0
1/4/96	50	7	84	0	0	81.27	1,427,192	82,560	5.50%	4,451	25,000	0
1/5/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/6/96	70	7	84	0	0	81.36	1,451,245	105,462	6.50%	6,855	20,000	0
1/7/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/8/96	45	25	76	0.3	73,305	81.36	1,451,245	0	N/A	0	25,000	0
1/9/96	54	7	76	0	0	81.32	1,440,553	105,462	5.50%	5,800	25,000	0
1/10/96	63	6	84	0	0	81.22	1,413,827	105,462	5.50%	5,800	25,000	0
1/11/96	65	5	86	0	0	81.14	1,392,447	105,462	5.00%	5,273	25,000	0
1/12/96	56	9	100	0.7	171,045	81.18	1,403,139	82,560	5.50%	4,451	5,000	0
1/13/96	50	9	85	0	0	81.22	1,413,827	105,462	6.00%	6,328	25,000	0
1/14/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/15/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/16/96	65	4	84	0	0	81.26	1,424,519	105,462	4.50%	4,746	25,000	0
1/17/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/18/96	65	7	90	0	0	81.22	1,413,827	105,462	5.50%	5,800	25,000	0
1/19/96	70	15	93	0.2	48,870	81.14	1,392,447	0	N/A	0	25,000	0
1/20/96	54	10	90	0	0	81.14	1,392,447	105,462	6.50%	6,855	25,000	0
1/21/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/22/96	65	5	84	0	0	81.12	1,387,101	105,462	5.00%	5,273	0	0
1/23/96	70	6	84	0	0	81.06	1,371,067	105,462	5.50%	5,800	25,000	0
1/24/96	80	5	92	0	0	80.97	1,347,011	105,462	5.00%	5,273	25,000	0
1/25/96	67	12	65	0	0	80.89	1,325,630	105,462	9.50%	10,019	25,000	0
1/26/96	78	5	89	0	0	80.82	1,306,922	105,462	5.00%	5,273	25,000	0
1/27/96	70	5	81	0	0	80.75	1,288,216	105,462	5.00%	5,273	25,000	0
1/28/96	---	---	---	0	0	---	---	0	N/A	0	0	0
1/29/96	75	5	91	0	0	80.75	1,288,216	105,462	5.00%	5,273	25,000	0
1/30/96	77	4	88	0	0	80.65	1,261,490	105,462	4.50%	4,746	25,000	0
1/31/96	84	3	82	0	0	80.57	1,240,110	105,462	4.50%	4,746	25,000	0
TOTAL	---	---	---	4.7	1,148,445	---	---	---	---	117,529	525,000	0
Current gallons stored			1,240,110					Total Landfill Acres:	14			
Previous gallons stored			-1,218,730									
Collected			21,380									
Treatment			525,000					Closed	0			
Evaporation			117,529					Opened	9			
Collected			21,380					Intermediate Cover	5			
Total gallons collected			663,909					Total gallons collected peracre/per day	2,380			





# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

March 14, 1996

Mr. J. R. Prestridge  
Hardee County  
Solid Waste Management  
P O Box 246  
Wauchula, FL 33873

Re: Leachate Quantity Reporting  
Permit: #SO25-214306, Hardee County

Dear Mr. Prestridge:

Attached are two examples of a leachate quantity annual summary report. This type of summary is a quick and easy reference for both the Department and yourself to notice unusual quantities of leachate that may be collected from your landfill disposal units. This office suggests you use the format and submit the summary with each submittal of leachate quantity monthly reports.

Your attention to this matter will be greatly appreciated. If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,

Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab  
Attachments

cc: Janice Williamson, Hardee County  
Robert Butera, P.E., FDEP Tampa  
Susan Pelz, FDEP Tampa

1995 Year to Date Leachate Tracking Summary  
Hernando County Northwest Waste Management Facility

Month	Rainfall Inches	Leachate Gallons Pumped to Tank	Leachate Gallons Transported	Leachate Gallons In Process
January	11.2	421,800	443,400	(21,600)
February	1.1	139,200	150,800	(11,600)
March	1.2	105,200	104,400	800
April	7.3	242,300	243,600	(1,300)
May	3.5	172,500	179,800	(7,300)
June	9.7	452,300	458,200	(5,900)
July	5.6	453,700	411,800	41,900
August	7.9	451,900	469,800	(17,900)
September	5.0	346,000	371,200	(25,200)
October	9.8	790,700	797,100	(6,400)
November	1.0	118,000	116,000	2,000
December	2.2	97,000	98,600	(1,600)
YTD Total	65.5	3,790,600	3,844,700	(54,100)

1995 LEACHATE BALANCE SUMMARY  
SOUTHEAST COUNTY LANDFILL  
HILLSBOROUGH COUNTY, FLORIDA

Month	Rainfall (in.)	Leachate Arriving at LTRF	Leachate/Effluent Leaving LTRF					Inflow/Outflow Balance For LTRF		
		Leachate Pumped to LTRF (gal.)	Total Leach. Hauled From LTRF (gal.)	Total Eff. Hauled (gal.)	Leachate Rec. From LTRF (gal.)	Effluent Rec. (gal.)	Effluent Sprayed (gal.)	Total Inflow To LTRF (gal.)	Total Outflow From LTRF (gal.)	Balance For Month (gal.)
January	4.60	3,104,000	3,166,000	(1) 0	0	0	0	3,104,000	3,166,000	(62,000)
February	2.40	4,063,000	2,942,000	(1) 0	0	0	650,000	4,063,000	4,062,000	1,000
March	1.90	3,467,000	2,320,000	(1) 0	0	113,000	932,000	3,467,000	3,705,000	(238,000)
April	1.60	2,625,000	1,124,000	393,000	60,000	0	700,000	2,625,000	2,528,000	97,000
May	2.40	2,331,000	865,725	652,689	0	0	1,000,270	2,331,000	2,255,439	75,561
June	8.30	2,369,000	904,543	758,000	0	0	568,520	2,369,000	2,252,277	116,723
July	17.90	2,296,000	845,087	1,185,000	0	0	319,750	2,296,000	2,236,821	59,179
August	15.80	2,940,000	1,620,842	1,050,000	0	0	398,520	2,940,000	2,997,072	(57,072)
September	8.80	2,939,000	1,696,897	783,000	0	25,500	507,500	2,939,000	3,168,909	(229,909)
October	5.40	3,130,000	972,984	865,000	0	76,500	600,480	3,130,000	2,763,129	366,871
November	4.30	2,539,360	699,787	1,016,000	0	17,000	785,275	2,539,360	2,465,827	73,533
December	0.50	2,570,333	525,473	1,113,000	0	173,900	661,185	2,570,333	2,391,573	178,760
YTD Total	73.90	34,373,693	17,683,338	7,815,689	60,000	405,900	7,123,500	34,373,693	33,992,047	

Notes:

1. Effluent quantities not measured separately.

f:\project\0995029.1\leachate\95summ.wb2

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 3/14/96 Subject Leachate management  
Time 9:35 Permit No. \_\_\_\_\_  
County HARDEE  
M JANICE WILLIAMSON Telephone No. (941) 773 5089  
Representing HARDEE COUNTY  
[ ] Phoned Me [  ] Was Called [ ] Scheduled Meeting [ ] Unscheduled Meeting  
Other Individuals Involved in Conversation/Meeting \_\_\_\_\_

Summary of Conversation/Meeting \_\_\_\_\_

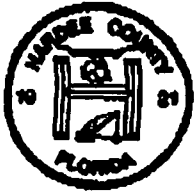
I ASKED MS WILLIAMSON ABOUT 4 ACRES OPEN AS  
INTERMEDIATE. SHE SAID ALL DRAINS TO LEACHATE  
POND FROM TOP. I SAID PLANS SHOW APPROX  
4 AC DRAIN TO LEACHATE POND & 5 ACRES TO  
STORMWATER DRAINAGE/POND. SHE SAID THERE IS  
A PENDING ALWD TO REGRADE DRAINAGE & I  
ASKED HER TO NOTE WHEN 4 ACRES OPEN W/ENTER CHANGE  
AND TOLD HER I WAS SENDING A COPY OF AN  
ANNUAL REPORT.

I ASK ABOUT SPRAYING ON DAYS OF 1" + OF RAIN. SHE SAID ONLY  
OVER LEACHATE POND, NOT IN NORTH OR SOUTH SPRAYFIELDS.

(continue on another  
sheet, if necessary)

Signature [Signature]

Title \_\_\_\_\_



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**FAX TRANSMITTAL**

\*\*\*\*\*

DATE: 3/8/96  
TIME: \_\_\_\_\_

TO: <u>DEP</u> <u>Kim Ford</u>	FROM: <u>Janice Williamson</u>
COPIES TO: <u>-</u>	SUBJECT: <u>Monthly Water Balances</u>
FAX NUMBER: <u>813-744-6125</u>	NUMBER OF PAGES: <u>4</u> (Including this sheet)

PLEASE DELIVER THESE PAGES TO THE INDIVIDUAL NAMED ABOVE. IF YOU HAVE ANY DIFFICULTY RECEIVING THIS TRANSMISSION OR IF PAGES ARE MISSING OR ILLEGIBLE, PLEASE CALL (813) 773-5089 AND SPEAK WITH JANICE.

COMMENTS:

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
2/1/96	80	4	78	0	0	80.47	1,213,384	105,462	5.00%	5,273	25,000	0
2/2/96	80	7	94	0	0	80.44	1,205,365	105,462	6.00%	6,328	25,000	0
2/3/96	--	--	--	0	0	--	--	0	N/A	0	0	0
2/4/96	--	--	--	0	0	--	--	0	N/A	0	0	0
2/5/96	90	14	50	0.9	40,318	80.72	1,280,197	105,462	10.00%	10,546	0	0
2/6/96	60	8	64	0	0	80.66	1,264,163	105,462	7.00%	7,382	25,000	0
2/7/96	62	7	80	0	0	80.56	1,237,437	105,462	6.00%	6,328	25,000	0
2/8/96	75	6	80	0	0	80.49	1,218,730	105,462	6.00%	6,328	25,000	0
2/9/96	78	5	80	0	0	80.45	1,208,038	105,462	5.50%	5,800	25,000	0
10-Feb	77	5	81	0	0	80.4	1,194,873	105,462	5.50%	5,800	25,000	0
2/11/96	--	--	--	0	0	--	--	0	N/A	0	0	0
2/12/96	49	15	64	0	0	80.45	1,208,038	105,462	9.00%	9,492	25,000	0
2/13/96	60	5	67	0	0	80.34	1,178,639	105,462	5.00%	5,273	15,000	0
2/14/96	70	5	60	0	0	80.27	1,159,932	105,462	7.00%	7,382	0	0
2/15/96	75	4	84	0	0	80.25	1,154,586	105,462	5.00%	5,273	0	0
2/16/96	57	10	97	0.6	26,879	80.35	1,181,312	82,580	6.50%	5,366	25,000	0
2/17/96	50	7	59	0	0	80.34	1,178,639	105,462	6.00%	6,328	25,000	0
2/18/96	--	--	--	0	0	--	--	0	N/A	0	0	0
2/19/96	75	5	90	0	0	80.34	1,178,639	105,462	5.00%	5,273	25,000	0
2/20/96	74	7	94	0	0	80.24	1,151,913	105,462	5.50%	5,800	25,000	0
2/21/96	73	7	94	0	0	80.19	1,138,552	105,462	5.50%	5,800	25,000	0
2/22/96	75	4	59	0	0	80.12	1,119,841	105,462	7.00%	7,382	25,000	0
2/23/96	78	4	83	0	0	80.03	1,095,788	105,462	5.00%	5,273	25,000	0
2/24/96	80	3	74	0	0	79.96	1,077,079	105,462	5.00%	5,273	25,000	0
2/25/96	--	--	--	0	0	--	--	0	N/A	0	0	0
2/26/96	85	3	64	0	0	80	1,087,769	105,462	6.00%	6,328	25,000	0
2/27/96	84	3	64	0	0	79.93	1,069,061	105,462	6.00%	6,328	25,000	0
2/28/96	85	2	67	0	0	79.85	1,047,818	105,462	5.00%	5,273	25,000	0
2/29/96	82	3	64	0	0	79.76	1,024,126	105,462	6.50%	6,855	25,000	0
TOTAL	--	--	--	1.5	67,197	--	--	--	--	152,484	515,000	0
Previous gallons stored			1,240,110									
Current gallons stored			1,024,126									
			215,984									
Treatment			515,000							Closed	0	
Evaporation			152,484							Opened	0.11	
Collected			215,984							Intermediate Cover	12.24	
Total gallons collected			451,600									

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

PAGE 03

HARDEE COUNTY S.W.

0137733907

01:37

07/09/1994

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
1/1/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/2/96	78	9	94	2.3	103,035	80.95	1,341,888	82,560	8.50%	5,368	25,000	0
1/3/96	70	6	94	1.2	53,757	81.22	1,413,827	82,560	5.00%	4,128	25,000	0
1/4/96	50	7	84	0	0	81.27	1,427,192	82,560	5.50%	4,451	25,000	0
1/5/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/8/96	70	7	84	0	0	81.36	1,451,245	105,462	6.50%	6,855	20,000	0
1/7/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/8/96	45	25	76	0.3	19,439	81.36	1,451,245	0	N/A	0	25,000	0
1/9/96	54	7	78	0	0	81.32	1,440,553	105,462	5.50%	5,800	25,000	0
1/10/96	63	6	84	0	0	81.22	1,413,827	105,462	5.50%	5,800	25,000	0
1/11/96	85	6	86	0	0	81.14	1,392,447	105,462	5.00%	5,273	25,000	0
1/12/96	58	9	100	0.7	31,368	81.18	1,403,139	82,560	5.50%	4,451	5,000	0
1/13/96	50	9	85	0	0	81.22	1,413,827	105,462	6.00%	6,328	25,000	0
1/14/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/15/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/18/96	85	4	84	0	0	81.28	1,424,519	105,462	4.50%	4,748	25,000	0
1/17/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/18/96	65	7	80	0	0	81.22	1,413,827	105,462	5.50%	5,800	25,000	0
1/19/96	70	15	93	0.2	8,960	81.14	1,392,447	0	N/A	0	25,000	0
1/20/96	54	10	80	0	0	81.14	1,392,447	105,462	6.50%	6,855	25,000	0
1/21/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/22/96	65	5	84	0	0	81.12	1,387,101	105,462	5.00%	5,273	0	0
1/23/96	70	6	84	0	0	81.08	1,371,067	105,462	6.50%	5,800	25,000	0
1/24/96	60	5	82	0	0	80.97	1,347,011	105,462	5.00%	5,273	25,000	0
1/25/96	67	12	85	0	0	80.89	1,325,630	105,462	9.50%	10,019	25,000	0
1/26/96	78	5	89	0	0	80.82	1,306,922	105,462	5.00%	5,273	25,000	0
1/27/96	70	5	81	0	0	80.75	1,289,216	105,462	5.00%	5,273	25,000	0
1/28/96	--	--	--	0	0	--	--	0	N/A	0	0	0
1/29/96	75	5	91	0	0	80.75	1,289,216	105,462	5.00%	5,273	25,000	0
1/30/96	77	4	88	0	0	80.65	1,261,490	105,462	4.50%	4,748	25,000	0
1/31/96	84	3	82	0	0	80.57	1,240,110	105,462	4.50%	4,748	25,000	0
TOTAL	--	--	--	4.7	210,549	--	--	--	--	117,529	525,000	0
Current gallons stored			1,240,110									
Previous gallons stored			-1,218,730									
			21,380									
Treatment			525,000									
Evaporation			+ 117,529									
Collected			+ 21,380									
Total gallons collected			<del>390,809</del>									

063,909

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

PAGE 02

HARDEE COUNTY S.W.

07/09/1994 01:37 0137733907

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
12/1/85	78	13	80	0	0	81.77	1,560,822	105,462	10.00%	10,546	20,000	0
12/2/85	75	13	65	0	0	81.71	1,544,784	105,462	12.00%	12,655	0	0
12/3/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/4/85	70	7	59	0	0	81.71	1,544,784	105,462	8.00%	8,437	0	0
12/5/85	75	8	80	0	0	81.65	1,528,750	105,462	9.00%	9,492	10,000	0
12/6/85	78	10	50	0	0	81.6	1,515,365	105,462	13.00%	13,710	0	0
12/7/85	78	5	54	0	0	81.57	1,507,370	105,462	8.00%	8,437	0	0
12/8/85	78	4	50	0	0	81.54	1,499,351	105,462	7.50%	7,910	0	0
12/9/85	78	5	58	0	0	81.48	1,483,317	105,462	8.00%	8,437	25,000	0
12/10/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/11/85	84	8	48	0	0	81.4	1,481,833	105,462	9.00%	9,492	25,000	0
12/12/85	75	14	50	0	0	81.32	1,440,553	105,462	16.00%	16,874	25,000	0
12/13/85	75	9	60	0	0	81.17	1,400,498	105,462	10.00%	10,546	25,000	0
12/14/85	78	8	75	0	0	81.12	1,387,101	82,560	8.00%	6,805	25,000	0
12/15/85	82	5	75	0	0	81.08	1,371,087	105,462	6.50%	6,855	25,000	0
12/16/85	80	4	80	0	0	80.87	1,347,011	105,462	7.00%	7,382	25,000	0
12/17/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/18/85	80	13	75	0	0	80.87	1,347,011	105,462	11.00%	11,601	25,000	0
12/19/85	75	8	80	0	0	80.8	1,328,303	82,560	7	5,778	5,000	0
12/20/85	50	15	80	0	0	80.84	1,338,993	105,462	17.50%	18,458	0	0
12/21/85	60	14	70	0	0	80.88	1,317,613	105,462	9.50%	10,078	25,000	0
12/22/85	60	7	80	0	0	80.78	1,290,888	105,462	8.00%	8,328	15,000	0
12/23/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/24/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/25/85	--	--	--	0	0	--	--	0	N/A	0	0	0
12/26/85	53	7	78	0	0	80.88	1,317,613	105,462	5.50%	5,800	25,000	0
12/27/85	61	9	64	0	0	80.72	1,280,197	105,462	8.50%	8,855	5,000	0
12/28/85	58	10	68	0	0	80.68	1,264,183	105,462	7.00%	7,382	25,000	0
12/29/85	64	12	83	0	0	80.57	1,240,110	105,462	8.00%	8,437	25,000	0
12/30/85	65	7	84	0	0	80.48	1,218,730	105,462	8.00%	8,328	25,000	0
12/31/85	--	--	--	0	0	--	--	0	N/A	0	0	0
TOTAL	--	--	--	0	0	--	--	2,485,264	--	223,363	300,000	0
Previous gallons stored			1,590,221									
Current gallons stored			-1,218,730									
			371,491									
Treatment			380,000							0		
Evaporation			223,363							0.11		
			503,363							12.24		
			503,363									
			-371,491									
Total gallons collected			131,872									





# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

DEC 1 2 1995

Mr. J. R. Prestridge,  
Hardee County  
Department of Solid Waste  
P. O. Box 246  
Wauchula, , FL 33873

Re: Survey Request on Nov. 28th, 1995 Inter-governmental  
Meeting on Leachate Management

Dear Mr. Prestridge:

The Florida Department of Environmental Protection's Southwest District Solid Waste Section thanks you for attending the inter-governmental sharing meeting on Leachate Management on Tuesday, November 28, 1995. Due to unexpected personal reasons I was not able to attend but I have listened to the recordings of the session and have been updated by staff. The workshop appears to have been a success but I would like to get your input on the merits and shortcomings of this meeting and your ideas for sessions the Solid Waste Section may schedule in the future.

Attached is a survey that I would appreciate you responding to and forwarding to my attention by December 31, 1995. Signing of the survey is optional. This information will be helpful for planning purposes of any future workshops. The Solid Waste Section is always available for any questions you may have relating to the Solid Waste Regulations or technical guidance.

All members of the Solid Waste staff sincerely thank you for your time and participation at the November 28th meeting. If you have any other questions or comments you may contact me at (813) 744-6100, Ext. 451.

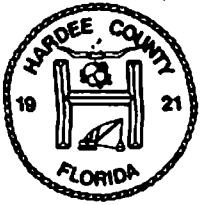
Sincerely,

Robert J. Butera, P.E.  
Solid Waste Manager  
Southwest District

**Attachment**

cc: Kim Ford, P.E.  
Janice Williamson, Hardee County  
Jerry Hutto, Hardee County

*"Protect, Conserve and Manage Florida's Environment and Natural Resources"*



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
DEC -7 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

December 5, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance - November, 1995

Dear Ms. Amram:

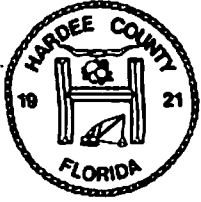
Enclosed is the above referenced material. I would like to thank your department (special thanks to Kim) for the meeting you held concerning leachate management and disposal options. It was informative and a very nice networking opportunity. As always, please feel free to contact me should you have any questions.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
11/1/95	85	6	75	2.6	116,475	83.61	2,052,578	82,560	7.00%	5,779	25,000	0
11/2/95	80	5	65	0	0	83.52	2,028,525	82,560	7.00%	5,779	25,000	0
11/3/95	84	9	75	0	0	83.44	2,007,145	105,462	9.00%	9,492	25,000	0
11/4/95	78	15	80	0	0	83.44	2,007,145	105,462	10.00%	10,546	25,000	0
11/5/95	---	---	---	0	0	---	---	0	N/A	0	0	0
11/6/95	85	5	65	0	0	83.34	1,980,419	105,462	8.00%	8,437	25,000	0
11/7/95	85	6	54	0	0	83.3	1,969,727	105,462	9.50%	10,019	25,000	0
11/8/95	79	14	59	0	0	83.22	1,948,347	0	N/A	0	0	0
11/9/95	70	15	49	0	0	83.21	1,945,674	82,560	16.00%	13,210	0	0
11/10/95	70	13	46	0	0	83.2	1,943,001	0	N/A	0	0	0
11/11/95	80	14	65	0	0	83.2	1,943,001	105,462	14.00%	14,765	25,000	0
11/12/95	---	---	---	0	0	---	---	0	N/A	0	0	0
11/13/95	75	15	70	0.6	26,879	83.18	1,937,659	105,462	13.00%	13,710	25,000	0
11/14/95	75	14	65	0	0	83.08	1,910,933	105,462	13.00%	13,710	25,000	0
11/15/95	60	15	49	0	0	82.92	1,868,169	82,560	13.00%	10,733	25,000	0
11/16/95	70	15	49	0	0	82.86	1,852,135	105,462	16.00%	16,874	0	0
11/17/95	75	14	59	0	0	82.81	1,838,770	105,462	14.00%	14,765	25,000	0
11/18/95	75	8	60	0	0	82.71	1,812,044	105,462	9.00%	9,492	25,000	0
11/19/95	---	---	---	0	0	---	---	0	N/A	0	0	0
11/20/95	78	10	50	0	0	82.66	1,798,683	82,560	14.00%	11,558	0	0
11/21/95	75	9	80	0	0	82.56	1,771,957	105,462	8.00%	8,437	25,000	0
11/22/95	70	14	49	0	0	82.51	1,758,592	105,462	16.00%	16,874	25,000	0
11/23/95	---	---	---	0	0	---	---	0	N/A	0	0	0
11/24/95	75	10	50	0	0	82.47	1,747,904	105,462	13.00%	13,710	25,000	0
11/25/95	5	14	80	0	0	82.41	1,731,866	105,462	9.00%	9,492	25,000	0
11/26/95	---	---	---	0	0	---	---	0	N/A	0	0	0
11/27/95	75	6	60	0	0	82.14	1,659,707	105,462	8.00%	8,437	25,000	0
11/28/95	75	10	60	0	0	82.02	1,627,635	105,462	10.00%	10,546	25,000	0
11/29/95	84	12	95	0.3	13,439	81.93	1,603,582	82,560	8.00%	6,605	25,000	0
11/30/95	75	14	65	0	0	81.88	1,590,221	105,462	13.00%	13,710	25,000	0
TOTAL	---	---	---	3.5	156,793	---	---	2,288,214	---	256,680	500,000	0
Previous gallons stored			1894895									
Current gallons stored			-1590221									
			304674									
Treatment			500000									
Evaporation			256680									
			756680									
			756680									
			-304674									
Total gallons collected			452,006									



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
NOV 14 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

November 8, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram  
3804 Coconut Palm Drive  
Tampa, Fl 33619-8318

RE: Monthly Water Balance - October 1995  
Ground Water Elevations - October 1995

Dear Ms. Amram: 

Enclosed is the above referenced material. Please call if you have any questions.

Sincerely,

Janice Williamson  
Recycling Coordinator  
Executive Secretary

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDIT	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
10/1/95	--	--	---	0	0	---	---	0	N/A	0	0	0
10/2/95	90	15	70	0.2	13439	83.74	2,087,323	82,560	15.00%	12,384	0	0
10/3/95	89	13	67	0	0	83.64	2,060,597	82,560	15.00%	12,384	25,000	0
10/4/95	89	15	90	0.1	4,480	83.64	2,060,597	82,560	10.00%	8,256	25,000	0
10/5/95	86	6	100	2	89,596	83.6	2,049,905	82,560	4.50%	3,715	25,000	0
10/6/95	83	8	100	0.6	26,879	84.03	2,164,828	82,560	5.20%	4,293	25,000	0
10/7/95	80	4	70	0.5	22,399	84.08	2,178,193	82,560	5.50%	4,541	0	0
10/8/95	--	--	---	0	0	---	---	0	N/A	0	0	0
10/9/95	80	6	95	0	0	84.17	2,202,246	82,560	5.30%	4,376	15,000	0
10/10/95	85	5	80	0	0	84.11	2,186,208	82,560	6.00%	4,954	20,000	0
10/11/95	83	5	75	0.6	26,879	84.18	2,204,919	82,560	6.50%	5,366	25,000	0
10/12/95	87	7	67	0	0	84.14	2,194,227	82,560	9.00%	7,430	0	0
10/13/95	89	12	79	0	0	84.04	2,167,501	82,560	10.00%	8,256	15,000	0
10/14/95	80	11	75	0	0	84.03	2,164,828	82,560	9.50%	7,843	0	0
10/15/95	--	--	---	0	0	---	---	0	N/A	0	0	0
10/16/95	79	12	66	0.4	17,919	84.04	2,167,501	105,462	12.00%	12,655	0	0
10/17/95	81	14	80	0.4	17,919	83.97	2,148,794	82,560	11.00%	9,082	0	0
10/18/95	76	10	82	0.2	8,960	83.96	2,146,121	82,560	8.50%	7,018	0	0
10/19/95	83	12	65	0	0	83.99	2,154,140	82,560	13.00%	10,733	25,000	0
10/20/95	75	10	85	0	0	83.93	2,138,102	82,560	8.00%	6,605	25,000	0
10/21/95	87	6	70	0	0	83.85	2,116,722	82,560	8.00%	6,605	0	0
10/22/95	--	--	---	0	0	---	---	0	N/A	0	0	0
10/23/95	88	10	65	0	0	83.76	2,092,669	82,560	13.00%	10,733	0	0
10/24/95	85	8	60	0	0	83.69	2,073,962	105,462	11.00%	11,601	25,000	0
10/25/95	88	9	60	0	0	83.62	2,055,251	105,462	13.00%	13,710	20,000	0
10/26/95	88	3	54	0	0	83.24	1,953,693	105,462	7.50%	7,910	0	0
10/27/95	87	5	48	0	0	83.2	1,943,001	105,462	10.00%	10,546	0	0
10/28/95	86	4	80	0	0	83.16	1,932,313	105,462	5.50%	5,800	0	0
10/29/95	--	--	---	0	0	---	---	0	N/A	0	0	0
10/30/95	81	14	65	0	0	83.08	1,910,933	105,462	15.00%	15,819	25,000	0
10/31/95	80	10	60	0	0	83.02	1,894,895	82,560	12.00%	9,907	25,000	0
TOTAL	--	--	---	5.1	228,470	---	---	---	---	222,522	320,000	0

Previous gal. stored 2076631  
Current gal. stored - 1894895  
181736

treatment 320000  
evaporation + 222522  
542522  
- 181736  
Total gal. collected 360786 ✓

Total Landfill Acres: 12.35

Closed: -0-  
Opened: .11  
Intermediate Cover: 12.24

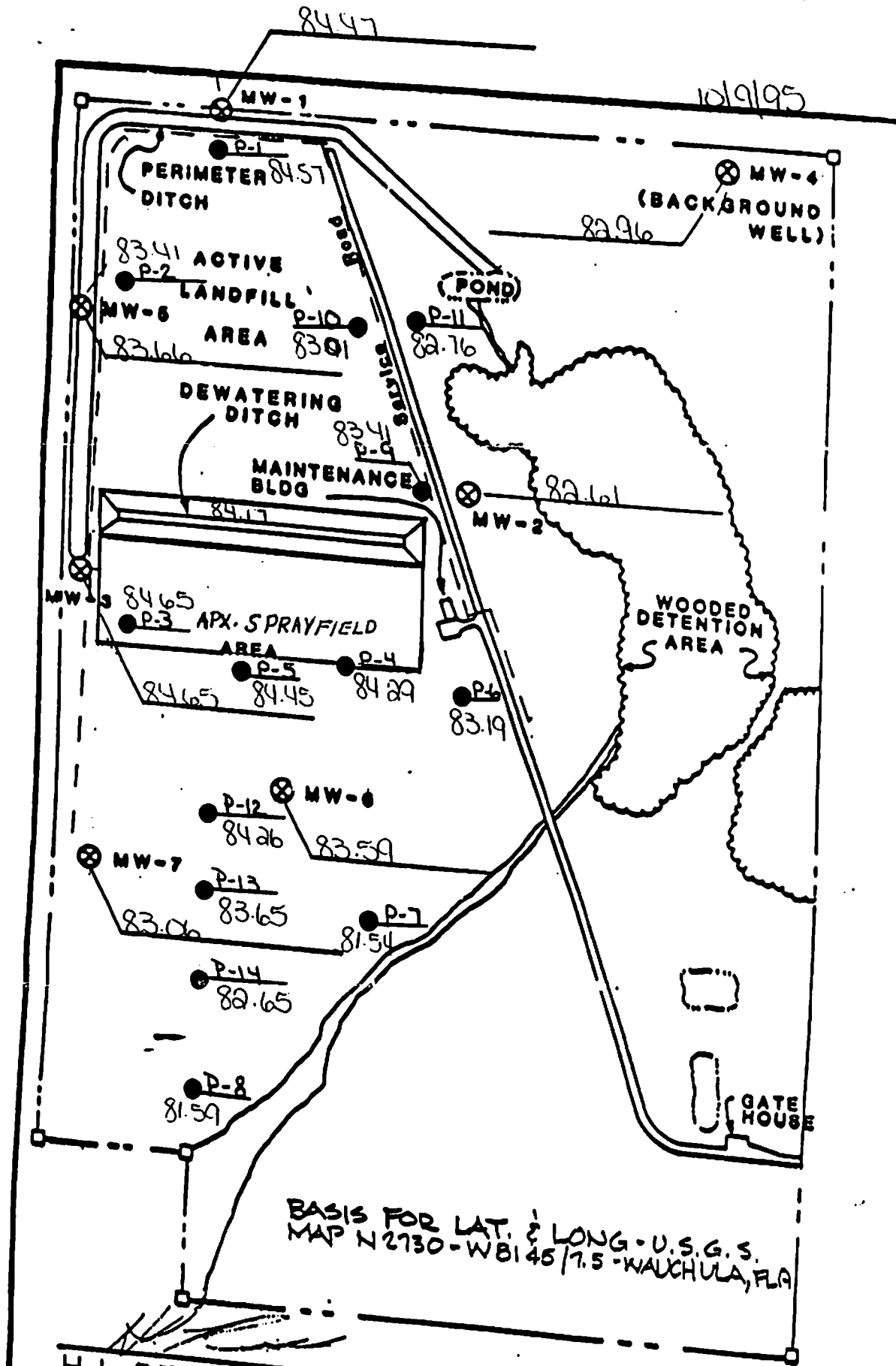
**HARDEE COUNTY SANITARY LANDFILL  
MONTHLY GROUNDWATER ELEVATIONS**

DATE: 10/9/95

RECORDED BY: JERRY HUTTE

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	3.50	84.47
MW-2	85.86	83.75	2.11	3.25	82.61
MW-3	87.75	85.99	1.76	3.10	84.65
MW-4	87.16	84.09	3.07	4.20	82.96
MW-5	88.76	85.83	2.93	5.10	83.66
MW-6	87.94	84.59	3.35	4.35	83.59
MW-7	87.51	84.43	3.08	4.45	83.06
*****	*****	*****	*****	*****	*****
P-1	91.27	89.89	1.38	6.70	84.57
P-2	90.66	87.83	2.83	7.25	83.41
P-3	89.05	86.72	2.33	4.40	84.65
P-4	88.34	86.01	2.33	4.05	84.29
P-5	89.25	86.43	2.82	4.80	84.45
P-6	85.94	83.64	2.30	2.75	83.19
P-7	84.04	81.91	2.13	2.50	81.54
P-8	84.74	82.65	2.09	3.15	81.59
P-9	87.06	85.12	1.94	3.65	83.41
P-10	88.56	87.01	1.55	5.55	83.01
P-11	87.16	85.03	2.13	4.40	82.76
P-12	88.71	85.72	2.99	4.45	84.26
P-13	87.60	84.59	3.01	3.95	83.65
P-14	86.75	83.73	3.02	4.10	82.65

WATER ELEVATION IN THE DEWATERING DITCH: 84.17



H. L. BENNETT, P.L.S.  
FLA. REG No. 3403

MONITOR WELL LOCATION  
REGIONAL SANITARY LANDFILL



# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

Mr. J. R. Prestridge  
Hardee County  
Department of Solid Waste  
P. O. Box 246  
Wauchula, FL 33873

NOV 9 1995

Re: November 28, 1995 Intergovernmental Meeting to Discuss Leachate  
Management Issues

Dear Mr. Prestridge:

The Florida Department of Environmental Protection Southwest District Solid Waste Section would like to invite you to attend an intergovernmental information sharing meeting, discussing the issues of Leachate Quantity Reports submittals and current available off-site leachate disposal options.

The meeting will be held on Tuesday, November 28, 1995, from 10:00 A.M. to 2:30 P.M., at the Department's Southwest District office in Tampa.

This meeting will allow you a forum to freely discuss any questions you may have in regard to and identify ways you can use the reported leachate quantity data and will allow for an exchange of information on off-site leachate disposal options available and currently used. Attached is a summary of data reported this year, for your review.

## AGENDA

Leachate Quantity Reports (formats and uses)	10:00 - 11:30 A.M.
Off-site Leachate Disposal (options and limitations)	11:30 A.M. - 12:30 P.M.
Lunch Presentation (Hillsborough County Southeast Landfill)	12:30 - 1:30 P.M.
Wrap-up and Questions	1:30 - 2:30 P.M.

Lunch delivery will be available at a cost of \$3.50 per person to include a sandwich, chips, and a soft drink, or you may bring your own lunch. There will be space available in the meeting room to allow up to 3 persons per facility to attend. The Department suggests that at least one individual who is directly responsible for leachate management at the facility attend the meeting. Counties may choose to invite their consultant if they are responsible for compiling leachate data for the landfill.

*"Protect, Conserve and Manage Florida's Environment and Natural Resources"*

*Printed on recycled paper.*



Mr. J. R. Prestridge  
Hardee County

NOV - 9 1995

You are requested to contact me at (813) 744-6100, ext. 382, prior to November 22, 1995, confirming who from your organization will be attending the meeting or if you have any questions.

Sincerely,



Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab  
Attachment

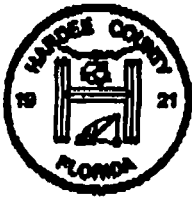
cc: Robert Butera, P.E., FDEP Tampa  
Susan Pelz, FDEP Tampa  
Janice Williamson, Hardee County

## LEACHATE MANAGEMENT IN S.W. DISTRICT

Facility	Rainfall	# Days	Open Acres	Interm. Acres	Closed Acres	Collected	Leachate gal/acre/day	From	To
Citrus 7 Ac	27.2	180	0	0	7	206,595	164	1-Jan-95	30-Jun-95
Citrus Ex. Phs I	27.2	180	3	14	0	942,907	308	1-Jan-95	30-Jun-95
Desoto	33.2	180	4	4	0	1,609,268	1118	1-Jan-95	30-Jun-95
Hardee	24.3	180	9	5	0	3,995,220	1585	1-Jan-95	30-Jun-95
Hernando Croom	24.1	180	0	0	5	63,800	71	1-Jan-95	30-Jun-95
Hernando NW	34.0	180	6	0	0	1,533,300	1420	1-Jan-95	30-Jun-95
Hills DJJ	11.6	180	1	5	0	1,003,709	929	1-Jan-95	30-Jun-95
Hills. SE	21.2	180	5	92	23	17,872,000	827	1-Jan-95	30-Jun-95
Levy Area #1	38.0	180	0	3	0	160,490	297	1-Jan-95	30-Jun-95
Levy Area #2	38.0	180	3	0	0	996,125	1845	1-Jan-95	30-Jun-95
Levy Pond	38.0	180	1	0	0	1,031,791	5732	1-Jan-95	30-Jun-95
Manatee Stg I	17.5	180	6	113	0	52,495,162	2451	1-Jan-95	30-Jun-95
Manatee Stg III	17.5	180	0	71	0	21,517,427	1684	1-Jan-95	30-Jun-95
Manatee Pond	17.5	180	5	0	0	2,375,835	2640	1-Jan-95	30-Jun-95
Pasco East T1	20.3	180	0	0	7	99,800	79	1-Jan-95	30-Jun-95
Pasco East T2	20.3	180	0	0	7	129,600	103	1-Jan-95	30-Jun-95
Pasco East T3	20.3	180	0	0	5	7,000	8	1-Jan-95	30-Jun-95
Pasco East T4	20.3	180	0	6	5	36,000	18	1-Jan-95	30-Jun-95
Pasco East T5	20.3	180	2	4	0	680,800	630	1-Jan-95	30-Jun-95
Pasco West A1	26.9	180	8	0	0	3,130,029	2174	1-Jan-95	30-Jun-95
Pasco West Cls III	26.9	180	7	0	0	2,313,350	1836	1-Jan-95	30-Jun-95
Pin. 126th Ave.		180	12	0	0	0	0	1-Jan-95	30-Jun-95
Pin. Bridgeway Ac.	26.6	180	750	0	0	147,580,564	1093	1-Jan-95	30-Jun-95
Pin. Toytown	20.0	180	0	0	215	21,345,510	552	1-Jan-95	30-Jun-95
Polk NC	23.1	180	6	40	0	617,500	75	1-Jan-95	30-Jun-95
Polk NE	18.8	180	0	14	0	1,253,953	498	1-Jan-95	30-Jun-95
Polk SE	20.8	180	4	14	0	3,034,152	936	1-Jan-95	30-Jun-95
Sarasota B. R.	23.7	180	15	115	90	27,276,228	689	1-Jan-95	30-Jun-95

LEACHATE MANAGEMENT IN S.W. DISTRICT

Facility	Rainfall	# Days	Open Acres	Intern. Acres	Closed Acres	Collected	Leachate gal/acre/day	From	To
Citrus 7 Ac	27.2	92	0	0	7	67,022	104	1-Jul-95	30-Sep-95
Citrus Ex. Phs I	27.2	92	3	14	0	597,023	382	1-Jul-95	30-Sep-95
Desoto	37.3	92	4	4	0	2,316,000	3147	1-Jul-95	30-Sep-95
Hardee	31.7	92	9	5	0	2,794,569	2170	1-Jul-95	30-Sep-95
Hernando Croom	23.8	92	0	0	5	23,200	50	1-Jul-95	30-Sep-95
Hernando NW	18.5	92	6	0	0	1,251,600	2267	1-Jul-95	30-Sep-95
Hills DJJ	14.9	92	1	5	0	388,200	703	1-Jul-95	30-Sep-95
Hills. SE	42.5	92	5	92	23	8,175,000	740	1-Jul-95	30-Sep-95
Levy Area #1	19.6	92	0	3	0	129,173	468	1-Jul-95	30-Sep-95
Levy Area #2	19.6	92	3	0	0	623,850	2260	1-Jul-95	30-Sep-95
Levy Pond	19.6	92	1	0	0	532,187	5785	1-Jul-95	30-Sep-95
Manatee Stg I	34.0	92	6	113	0	32,856,807	3001	1-Jul-95	30-Sep-95
Manatee Stg III	34.0	92	0	71	0	14,388,424	2203	1-Jul-95	30-Sep-95
Manatee Pond	34.0	92	5	0	0	4,615,908	10035	1-Jul-95	30-Sep-95
Pasco East T1	32.4	92	0	0	7	80,800	125	1-Jul-95	30-Sep-95
Pasco East T2	32.4	92	0	0	7	138,550	215	1-Jul-95	30-Sep-95
Pasco East T3	32.4	92	0	0	5	15,100	33	1-Jul-95	30-Sep-95
Pasco East T4	32.4	92	0	6	5	39,900	39	1-Jul-95	30-Sep-95
Pasco East T5	32.4	92	2	4	0	704,908	1277	1-Jul-95	30-Sep-95
Pasco West A1	20.5	92	8	0	0	1,703,959	2315	1-Jul-95	30-Sep-95
Pasco West Cls III	26.3	92	7	0	0	2,188,300	3398	1-Jul-95	30-Sep-95
Pin. 126th Ave.		92	12	0	0	0	0	1-Jul-95	30-Sep-95
Pin. Bridgeway Ac.		92	750	0	0	0	0	1-Jul-95	30-Sep-95
Pin. Toytown	26.4	92	0	0	215	10,987,910	556	1-Jul-95	30-Sep-95
Polk NC	27.8	92	6	40	0	408,013	96	1-Jul-95	30-Sep-95
Polk NE	31.8	92	0	14	0	728,755	566	1-Jul-95	30-Sep-95
Polk SE	25.5	92	4	14	0	2,582,884	1560	1-Jul-95	30-Sep-95
Sarasota B. R.	36.5	92	15	115	90	15,654,008	773	1-Jul-95	30-Sep-95



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**FAX TRANSMITTAL**

\*\*\*\*\*

DATE: 10/27  
TIME: \_\_\_\_\_

TO: <u>Kim B. Ford</u>	FROM: <u>Janice</u>
COPIES TO: <u>-</u>	SUBJECT: <u><del>Robert Ford</del></u> <u><del>Chris Ford</del></u>
FAX NUMBER: <u>813-744-6123</u>	NUMBER OF PAGES: <u>2</u> (Including this sheet)

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COMMENTS: Kim,  
As per our phone conversation  
Is the attached correct?  
Please call me and confirm  
Thanks.

July  
Aug  
Sept.

est. gal. stored  
1451245  
2383982  
2076631

Aug.  
2383982 - Current  
- 1451245 - Previous  
932,737

470,000 treatment  
807,749 evaporation  
+ 932,737 gained in gal. stored  
1,610,486 <sup>total gals.</sup> collected for Aug.

Sept.  
2383982 - Previous  
- 2076631 - current  
307,351

595,000 treatment  
+ 129,150 evaporation  
724,150  
- 307,351 lost in gal. stored  
416,799 <sup>total gals.</sup> collected for Sept.

Department of Environmental Regulation  
**Routing and Transmittal Slip**

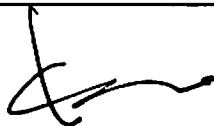
To: (Name, Office, Location)

1. JANICE WILLIAMSON  
2. HARDEE COUNTY  
3. SOLID WASTE DEPARTMENT  
4. PO BOX 246

Remarks: LAURELHURST, FL 33873

Info  
WE DISCUSSED

From:



Date

6/24

Phone

ict

(Florida Only) or  
Only: 1-800-231-6103

2303 Highway 44 West  
Tavernest, Florida 34453-3809  
970 (904) 637-1360

RECEIVED  
P 25 1995

U.S. Environmental Protection  
THWEST DISTRICT

tion data you

please do not  
speak with me

Excellence  
Through  
Quality  
Service



An Equal Opportunity Employer

# Southwest Florida Water Management District

2379 Broad Street • Brooksville, Florida 34609-6899 • 1-800-423-1476 (Florida Only) or (904) 796-7211 • SUNCOM 628-4150 • T.D.D. Number Only (Florida Only): 1-800-231-6103

7601 Highway 301 North  
Tampa, Florida 33637-6759  
(813) 985-7481 SUNCOM 578-2070

170 Century Boulevard  
Bartow, Florida 33830-7700  
(813) 534-1448 SUNCOM 572-6200

115 Corporation Way  
Venice, Florida 34292-3524  
(813) 483-5970 SUNCOM 549-5970

2303 Highway 44 West  
Inverness, Florida 34453-3809  
(904) 637-1360

September 22, 1995

Joe L. Davis, Jr.  
Chairman, Wauchula  
Roy G. Harrell, Jr.  
Vice Chairman, St. Petersburg  
Sally Thompson  
Secretary, Tampa  
James E. Martin  
Treasurer, St. Petersburg  
James L. Allen  
Bushnell  
Ramon F. Campo  
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Curtis L. Law  
Land O' Lakes  
Virginia S. Roo  
Tampa

**RECEIVED**  
SEP 25 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT

BY \_\_\_\_\_

Mr. Kim Ford  
Department of Environmental Protection  
3804 Coconut Palm  
Tampa, Florida 33619-8318

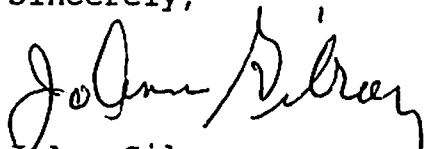
Subject: Rainfall + Evaporation Data

Dear Mr. Ford:

Enclosed is the rainfall and evaporation data you requested.

Should you need further assistance, please do not hesitate to contact us. If you wish to speak with me directly, my extension is 4311.

Sincerely,

  
JoAnn Gilroy  
Data Collection Technician  
Hydrologic Data Section

Excellence  
Through  
Quality  
Service

**RECEIVED**  
SEP 25 1995

Table 3. Average monthly pan evaporation (inches) and coefficient of variance (c.v.).

Station	Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	Department of Environmental Protection SOUTHWEST DISTRICT Annual		
Gainsville	12	2.76	3.49	4.98	6.07	7.46	6.83	6.52	6.03	5.27	4.65	3.17	2.49	59.72
Inglis	8	2.27	3.21	4.89	6.13	7.07	6.25	6.11	5.73	4.98	4.26	2.83	2.26	55.99
Wildwood	11	2.08	2.94	4.85	6.19	7.49	6.64	6.68	6.39	5.13	3.87	2.15	1.79	56.22
Inverness	9	3.23	3.82	5.34	6.36	7.71	7.06	6.98	6.71	5.83	4.78	3.91	3.31	65.02
S.W.F.W.M.D.	15	2.75	3.51	5.21	5.96	7.26	7.05	6.27	6.19	5.31	4.63	3.29	2.73	60.13
Lake Padgett	1	2.42	2.82	4.12	5.01	7.08	5.17				4.22	3.06	2.62	
Lake Alfred	12	3.62	4.73	6.49	7.76	8.97	7.95	7.77	6.83	6.59	5.94	4.09	3.41	74.15
Dover	9	2.17	2.94	4.43	5.23	6.39	5.81	5.49	5.32	4.69	3.97	2.81	2.08	51.33
Avon Park	9	3.08	3.79	5.45	6.86	7.84	7.26	7.55	6.95	6.35	5.08	3.79	2.67	66.68
Bradenton	9	2.82	3.43	4.62	6.05	7.27	5.78	5.68	4.74	5.11	4.72	3.49	2.71	56.41
Ona	10	3.68	4.45	5.99	7.39	8.57	7.68	7.21	7.18	5.49	4.89	3.74	3.04	69.31
Archbold	11	2.14	3.09	5.05	6.05	7.14	6.01	5.95	5.93	5.17	4.32	2.57	1.92	55.34
Peace River	7	3.06	3.57	5.21	5.89	6.47	5.16	3.94	4.96	5.03	4.74	3.47	2.82	54.32
Average*		2.80	3.58	5.21	6.33	7.47	6.62	6.34	6.08	5.41	4.65	3.28	2.60	60.38
Gainsville	12	13	9	13	13	11	10	13	13	10	10	10	13	11
Inglis	8	13	18	14	11	7	7	17	21	20	12	8	18	14
Wildwood	11	27	14	14	8	9	8	9	8	15	14	18	30	15
Inverness	9	17	19	14	14	9	5	11	14	6	8	26	28	15
S.W.F.W.M.D.	15	18	15	18	14	11	10	16	14	15	17	15	17	15
Lake Padgett	1													
Lake Alfred	12	19	14	12	12	12	10	8	12	12	9	8	8	12
Dover	9	9	7	7	5	6	8	7	5	10	9	10	8	8
Avon Park	9	30	22	19	21	19	24	19	17	24	26	35	31	24
Bradenton	9	13	19	14	11	11	13	20	22	25	8	6	18	15
Ona	10	34	48	47	44	40	48	41	33	16	14	7	8	32
Archbold	11	13	10	7	13	5	16	10	7	8	5	13	14	11
Peace River	7	11	11	12	16	12	23	30	18	19	10	11	15	16

\* Lake Padgett excluded

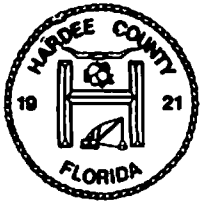


	PAN CAP				Blairstown				Monthly LOW5
	Dover 1992	Dover 1993	Dover 1994	Dover 1995	1992	1993	1994	1995	
Jan	2.0	—	2.0	1.9	2.7	—	—	—	1.9
Feb	2.7	2.6	2.5	2.9	—	—	3.3	3.0	2.5
Mar	4.0	—	4.2	3.7	—	—	4.7	4.6	3.7
Apr	4.8	5.3	5.1	4.6	5.2	—	5.8	4.9	4.6
May	6.4	—	6.9	6.5	—	6.8	6.8	7.3	6.4
Jun	4.1	—	5.3	—	—	7.1	6.3	—	5.3
Jul	6.8	5.8	5.4	—	—	6.2	5.7	—	5.4
Aug	4.6	—	4.4	—	—	—	5.8	—	4.4
Sept	4.1	4.1	3.5	—	5.3	5.4	4.4	—	3.5
Oct	—	—	3.6	—	4.2	—	3.8	—	3.6
Nov	2.4	2.4	2.5	—	3.6	—	3.5	—	2.4
Dec	2.1	—	2.0	—	2.7	—	2.3	—	2.0

Jan

LEACHATE MANAGEMENT IN S.W. DISTRICT  
 JANUARY- JUNE 1995 (rainfall amount varies)

Facility	Rainfall	# Days	Open Acres	Interm. Acres	Closed Acres	Collected	Leachate gal/acre/day	From	To
Citrus 7 Ac	27.2	180	0	0	7	206,595	164	1-Jan-95	30-Jun-95
Citrus Ex. Phs I	27.2	180	3	14	0	942,907	308	1-Jan-95	30-Jun-95
Desoto	33.2	180	4	4	0	1,609,268	1118	1-Jan-95	30-Jun-95
Hardee	24.3	180	9	5	0	<del>18,207,780</del>	<del>2225</del>	1-Jan-95	30-Jun-95
Hernando Croom	24.1	180	0	0	5	63,800	71	1-Jan-95	30-Jun-95
Hernando NW	34.0	180	6	0	0	1,533,300	1420	1-Jan-95	30-Jun-95
Hills DJJ	11.6	180	1	5	0	1,003,709	929	1-Jan-95	30-Jun-95
Hills. SE	21.2	180	5	92	23	17,872,000	827	1-Jan-95	30-Jun-95
Levy #1	38.0	180	0	3	0	1,310,658	2427	1-Jan-95	30-Jun-95
Manatee Stg I	17.5	180	6	113	0	52,495,162	2451	1-Jan-95	30-Jun-95
Manatee Stg III	17.5	180	0	71	0	21,517,427	1684	1-Jan-95	30-Jun-95
Pasco East T1	20.3	180	0	0	7	99,800	79	1-Jan-95	30-Jun-95
Pasco East T2	20.3	180	0	0	7	129,600	103	1-Jan-95	30-Jun-95
Pasco East T3	20.3	180	0	0	5	7,000	8	1-Jan-95	30-Jun-95
Pasco East T4	20.3	180	0	6	5	36,000	18	1-Jan-95	30-Jun-95
Pasco East T5	20.3	180	2	4	0	680,800	630	1-Jan-95	30-Jun-95
Pasco West A1	26.9	180	8	0	0	3,130,029	2174	1-Jan-95	30-Jun-95
Pasco West Cls III	26.9	180	7	0	0	2,313,350	1836	1-Jan-95	30-Jun-95
Pin. 126th Ave.		180	12	0	0		0	1-Jan-95	30-Jun-95
Pin. Bridgeway Ac.	<i>None</i>	180	750	0	0	147,580,564	<i>1093</i>	1-Jan-95	30-Jun-95
Pin. Toytown		180	0	0	215	3,900,000	101	1-Jan-95	30-Jun-95



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**D.E.P.**  
**OCT 20 1995**  
SOUTHWEST DISTRICT  
TAMPA

October 17, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram, Environmental Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance - September, 1995

Dear Ms. Amram:

Enclosed is the above referenced. Please feel free to contact us should you have any questions.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
9/1/95	79	4	100	0.7	31,358	85.27	2,496,232	0	N/A	0	20,000	0
9/2/95	89	3	75	0.6	26,879	85.19	2,474,852	0	N/A	0	25,000	0
9/3/95	--	--	--	0	0	--	--	0	N/A	0	0	0
9/4/95	--	--	--	0	0	--	--	0	N/A	0	0	0
9/5/95	91	5	65	0	0	84.85	2,383,982	22,902	8.00%	1,832	25,000	0
9/6/95	83	4	65	1.4	62,717	85.35	2,517,612	0	N/A	0	25,000	0
9/7/95	85	5	90	0	0	85.2	2,477,521	0	N/A	0	25,000	0
9/8/95	85	3	55	0.3	13,439	85.03	2,432,088	0	N/A	0	25,000	0
9/9/95	89	3	50	0	0	85.31	2,506,920	0	N/A	0	25,000	0
9/10/95	--	--	--	1.4	62,717	--	--	0	N/A	0	0	0
9/11/95	85	3	65	0.2	8,960	--	--	0	N/A	0	25,000	0
9/12/95	91	3	50	0.5	22,399	85.35	2,517,612	0	N/A	0	25,000	0
9/13/95	92	3	50	0	0	85.28	2,498,905	0	N/A	0	25,000	0
9/14/95	92	4	49	0	0	85.18	2,472,179	82,560	10.00%	8,256	25,000	0
9/15/95	93	2	44	0	0	85.1	2,450,795	82,560	8.50%	7,018	25,000	0
9/16/95	92	2	48	0	0	84.97	2,416,054	105,462	8.00%	8,437	25,000	0
9/17/95	--	--	--	0.3	13,439	--	--	0	N/A	0	0	0
9/18/95	90	3	65	0.4	17,919	84.8	2,370,617	105,462	7.00%	7,382	25,000	0
9/19/95	92	4	51	0	0	84.7	2,343,891	82,560	10.00%	8,256	25,000	0
9/20/95	89	3	56	0	0	84.6	2,317,165	82,560	7.50%	6,192	25,000	0
9/21/95	93	2	51	0	0	84.56	2,306,477	105,462	7.50%	7,910	25,000	0
9/22/95	92	8	55	0	0	84.39	2,261,044	105,462	15.00%	15,819	25,000	0
9/23/95	93	3	60	0	0	84.32	2,242,333	105,462	7.50%	7,910	0	0
9/24/95	--	--	--	0.7	31,358	--	--	0	N/A	0	0	0
9/25/95	89	2	75	0	0	84.27	2,228,972	105,462	4.80%	5,062	25,000	0
9/26/95	90	3	61	0.4	17,919	84.24	2,220,953	105,462	7%	7,382	25,000	0
9/27/95	91	2	56	0	0	84	2,156,809	105,462	7%	7,382	25,000	0
9/28/95	89	2	65	0	0	83.9	2,130,083	105,462	7.00%	7,382	25,000	0
9/29/95	91	5	57	0	0	83.8	2,103,357	105,462	10.00%	10,546	25,000	0
30-Sep	90	10	60	0.3	13,439	83.7	2,076,631	82,560	15.00%	12,384	25,000	0
TOTAL	--	--	--	7.2	322,543	--	--	1,490,322	--	129,150	595,000	0

307351

CALL CENTER  
(595000 + 129150 = 307351)  
= 416799



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**FAX TRANSMITTAL**

\*\*\*\*\*

DATE: 10/27

TIME: \_\_\_\_\_

TO: <i>Kim B. Ford</i>	FROM: <i>Janice</i>
COPIES TO: -	SUBJECT: <i>leachate report</i> <i>Aug. 1995</i>
FAX NUMBER: <i>813-744-6128</i>	NUMBER OF PAGES: <i>2</i> (Including this sheet)

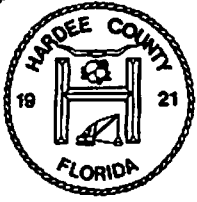
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COMMENTS:

HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
8/1/95	74	10	75	0	0	81.51	1,491,332	105,482	8.50%	8,964	15,000	0
8/2/95	CLOSED	--	--	2.00"	88,598	--	--	0	N/A	0	0	0
8/3/95	75	15	80	0	0	82.26	1,691,779	105,482	12.00%	12,655	0	0
8/4/95	90	10	65	0	0	82.21	1,678,414	105,482	13.00%	13,710	0	0
8/5/95	89	3	50	0	0	82.19	1,673,072	105,482	10.00%	10,546	0	0
8/6/95	CLOSED	--	--	--	--	--	--	0	N/A	0	0	0
8/7/95	90	5	60	0	0	82.11	1,651,688	105,462	8.00%	8,492	0	0
8/8/95	83	4	49	0	0	82.08	1,643,673	105,462	10.00%	10,546	25,000	0
8/8/95	83	6	48	0	0	82.06	1,638,327	105,462	14.00%	14,765	25,000	0
8/10/95	90	8	60	1.20"	53,757	82.04	1,632,981	41,280	13.00%	5,366	0	0
8/11/95	81	5	40	0	0	82.08	1,643,673	105,462	13.00%	13,710	25,000	0
8/12/95	90	3	60	4.00"	179,192	83.26	1,959,039	82,560	7.50%	6,192	25,000	0
8/13/95	CLOSED	--	--	.10"	4,480	--	--	0	N/A	0	0	0
8/14/95	91	7	49	0	0	83.21	1,945,674	105,462	15.00%	15,819	25,000	0
8/15/95	98	5	50	0	0	83.18	1,937,659	105,462	14.00%	14,765	25,000	0
8/16/95	96	4	60	0	0	83.09	1,905,587	105,462	8.00%	9,492	25,000	0
8/17/95	93	3	60	0	0	82.94	1,873,515	105,462	8.00%	8,437	25,000	0
8/18/95	95	2	50	0	0	82.84	1,846,789	82,560	8.00%	8,605	25,000	0
8/18/95	96	2	50	0	0	82.68	1,804,029	82,560	6.50%	7,018	25,000	0
8/20/95	CLOSED	--	--	.90"	40,318	--	--	0	N/A	0	0	0
8/21/95	93	4	45	0	0	82.81	1,838,770	82,560	11.00%	9,082	25,000	0
8/22/95	93	2	60	1.60"	71,676	83.2	1,943,001	82,560	7.00%	5,779	25,000	0
8/23/95	81	6	70	.50"	22,389	83.21	1,945,674	82,560	7.50%	6,182	25,000	0
8/24/95	82	7	60	.20"	8,960	83.29	1,967,058	82,560	8.50%	7,843	25,000	0
8/25/95	80	5	100	2.40"	107,515	83.67	2,068,616	82,560	4.00%	3,302	25,000	0
8/26/95	89	5	75	0	0	84.27	2,228,972	82,560	7.00%	5,779	25,000	0
8/27/95	CLOSED	--	--	1.30"	56,237	--	--	0	N/A	0	0	0
8/28/95	93	5	49	0	0	84.78	2,358,929	0	N/A	0	25,000	0
8/28/95	90	4	65	0	0	84.89	2,341,222	0	N/A	0	5,000	0
8/30/95	85	4	90	.20"	8,960	84.68	2,338,549	0	N/A	0	0	0
8/31/95	88	3	94	.90"	40,318	84.85	2,383,982	42,240	4.00%	1,690	25,000	0
TOTAL	N/A	N/A	N/A	15.30"	684,408	N/A	N/A	2,082,104	N/A	207,749	470,000	0

collected  
(470000 + 257149 + 932787)  
= 1,660,486



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**

P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
AUG 07 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

August 4, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram, Enivr. Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance, July, 1995  
Monthly Ground Water Elevations, July, 1995

Dear Ms. Amram:

Enclosed are the above referenced materials. Please feel free to call should you have any questions or comments.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

CC: Post, Buckley, Schuh & Jernigan  
file

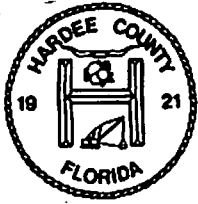
HARDEE COUNTY SOLID WASTE DEPARTMENT  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
7/1/95	95	4	50	0	0	80.45	1,208,038	105,462	10.00%	10,546	0	0
7/2/95	CLOSED	FOR	HOLIDAY	0	0	---	---	0	N/A	0	0	0
7/3/95	CLOSED	FOR	HOLIDAY	0	0	---	---	0	N/A	0	0	0
7/4/94	CLOSED	FOR	HOLIDAY	0	0	---	---	0	N/A	0	0	0
7/5/95	85	3	40	0	0	80.4	1,194,673	105,462	8.00%	8,437	0	0
7/6/95	95	1	40	0	0	80.3	1,167,947	105,462	8.00%	8,437	0	0
7/7/95	90	4	50	.60"	26,879	80.2	1,141,221	82,560	9.00%	7,430	0	0
7/8/95	95	3	50	0	0	80.22	1,146,567	105,462	9.50%	10,019	0	0
7/9/95	CLOSED	FOR	DAY	0	0	---	---	0	N/A	0	0	0
7/10/95	90	2	40	0	0	80.18	1,135,879	105,462	8.50%	8,964	25,000	0
7/11/95	85	10	49	1.00"	44,798	80.39	1,192,004	118,518	16.00%	18,963	25,000	0
7/12/95	90	2	40	.30"	13,439	80.43	1,202,692	118,518	8.00%	9,481	5,000	0
7/13/95	84	5	70	0	0	80.38	1,189,331	118,518	7.00%	8,296	10,000	0
7/14/95	86	3	50	0	0	80.34	1,178,639	118,518	7.50%	8,889	0	0
7/15/95	90	1	30	0	0	80.28	1,162,605	118,518	7.50%	8,889	0	0
7/16/95	CLOSED	FOR	DAY	.60"	26,879	---	---	0	N/A	0	0	0
7/17/95	85	2	100	1.50"	67,196	80.98	1,349,687	0	N/A	0	0	0
7/18/95	87	4	100	.20"	8,960	81.02	1,360,375	0	N/A	0	0	0
7/19/95	80	5	50	0	0	80.98	1,349,687	82,560	8.50%	7,018	15,000	0
7/20/95	90	4	40	0	0	80.93	1,336,322	105,462	10.00%	10,546	20,000	0
7/21/95	90	8	70	.50"	22,399	80.95	1,341,668	82,560	10.00%	8,256	0	0
7/22/95	95	2	40	0	0	80.9	1,328,303	105,462	9.00%	9,492	0	0
7/23/95	CLOSED	FOR	DAY	0	0	---	---	0	N/A	0	0	0
7/24/95	86	2	48	.70"	31,358	81.04	1,365,721	105,462	7.00%	7,382	25,000	0
7/25/95	85	4	50	.70"	31,358	81.14	1,392,447	105,462	8.50%	8,964	15,000	0
7/26/95	90	1	39	.10"	4,480	81.16	1,397,793	105,462	7.00%	7,382	0	0
7/27/95	92	3	60	.20"	8,960	81.1	1,381,755	105,462	8.00%	8,437	25,000	0
7/28/95	87	2	70	0	0	81	1,355,029	105,462	5.00%	5,273	25,000	0
7/29/95	90	4	50	.30"	13,439	80.96	1,344,341	105,462	10.00%	10,546	25,000	0
7/30/95	CLOSED	FOR	DAY	2.00"	89,596	---	---	0	N/A	0	0	0
7/31/95	89	6	60	.50"	22,399	81.36	1,451,245	82,560	9.50%	7,843	0	0
TOTAL	---	---	---	9.20"	412,140	---	---	2,293,836	---	199,500	215,000	0

Collected  
(215,000 + 199,500 + 352,784)  
= 767,284



KIM



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.

JUL 10 1995

SOUTHWEST DISTRICT  
TAMPA

July 5, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram, Environmental Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance, June-1995  
Monthly Ground Water Elevations, June-1995

Dear Ms. Amram:

Enclosed are the above referenced materials. Please feel free to call should you have any questions or comments.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

CC: Post, Buckley, Schuh & Jernigan  
file

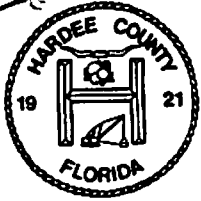
HARDEE COUNTY SANITARY LANDFILL  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
6/1/95	90	3	61	0	0	78.8	747791 785,488	118,518				
6/2/95	75	2	100	0	0	78.7	762,198	118,518	7.00%	8,296	0	0
6/3/95	81	6	85	.40"	17,919	78.7	762,198	118,518	2.75%	3,259	20,000	0
6/4/95	--	--	--	1.50"	67,198	--	--	0	6.00%	7,111	0	0
6/5/95	85	25	90	2.00"	89,595	80.1	1,114,495	0	N/A	0	0	0
6/6/95	90	30	60	0	0	80.3	1,187,947	118,518	14.00%	16,593	10,000	0
6/7/95	90	30	60	0	0	80.06	1,103,807	118,518	23.00%	27,259	0	0
6/8/95	95	15	55	0	0	80	1,087,769	118,518	23.00%	27,259	5,000	0
6/9/95	95	9	50	0	0	79.87	1,053,108	118,518	21.00%	24,889	25,000	0
6/10/95	95	5	45	0	0	79.76	1,024,126	118,518	18.00%	21,333	25,000	0
6/11/95	--	--	--	0	0	--	--	0	14.00%	16,593	0	0
6/12/95	90	25	60	0	0	79.73	1,016,274	0	N/A	0	0	0
6/13/95	86	10	60	.50"	22,399	79.74	1,018,291	118,518	23.00%	27,259	0	0
6/14/95	81	6	50	0	0	79.65	995,476	118,518	13.00%	15,407	0	0
6/15/95	80	14	50	0	0	79.65	995,476	118,518	9.50%	11,259	0	0
6/16/95	91	15	48	0	0	79.5	959,475	118,518	17.00%	20,148	5,000	0
6/17/95	89	10	60	0	0	79.38	926,563	118,518	22.00%	26,074	0	0
6/18/95	--	--	--	.30"	13,439	--	--	0	13.00%	15,407	0	0
6/19/95	90	6	50	0	0	79.48	951,845	0	N/A	0	0	0
6/20/95	83	3	90	.50"	22,399	79.32	911,528	118,518	12.00%	14,222	5,000	0
6/21/95	70	1	100	.50"	22,399	79.44	941,710	118,518	4.50%	5,333	10,000	0
6/22/95	75	10	55	.20"	8,960	79.48	951,845	118,518	2.50%	2,963	0	0
6/23/95	70	7	100	.60"	26,879	79.4	931,575	118,518	12.00%	14,222	20,000	0
6/24/95	72	4	60	.60"	26,879	79.6	982,529	82,560	5.00%	4,128	25,000	0
6/25/95	--	--	--	1.40"	62,717	--	--	82,560	5.00%	4,954	25,000	0
6/26/95	87	8	80	0	0	80.56	1,237,437	0	N/A	0	0	0
6/27/95	85	4	50	0	0	80.61	1,250,798	82,560	8.00%	6,605	10,000	0
6/28/95	80	15	50	0	0	80.51	1,224,074	118,518	8.50%	10,074	10,000	0
6/29/95	70	12	55	0	0	80.47	1,205,365	105,462	17.00%	17,929	15,000	0
6/30/95	80	5	40	0	0	80.4	1,098,461	105,462	13.00%	13,710	0	0
TOTAL	--	--	--	8.5"	380,781	--	--	2,934,426	--	372,305	210,000	0

COLLECTED  
(210000 + 372305 + 301170)  
= 883475

301170

2934426  
- 372,305  
-----  
2,562,121



KIM

**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
JUN 09 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT

BY \_\_\_\_\_

June 6, 1995

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram, Environmental Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance, May-1995  
Monthly Ground Water Elevations, May-1995

Dear Ms. Amram:

Submitted for your review are the above referenced materials. Please feel free to contact me should you have any questions or comments.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

CC: Post, Buckley, Schuh & Jernigan  
File

HARDEE COUNTY SANITARY LANDFILL  
DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THOUGH SPRAY FIELD	EVAPORA RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
							113706					
5/1/95	90	8	58	0	0	81.28	1,429,865	118,518	13.00%	15,407	25,000	0
5/2/95	89	7	61	0	0	81.18	1,403,139	118,518	10.00%	11,852	5,000	0
5/3/95	90	6	65	0	0	81.16	1,397,793	0	n/a	0	0	0
5/4/95	92	8	71	0	0	81.08	1,376,413	22,902	10.00%	2,290	0	0
5/5/95	92	7	65	0	0	81.06	1,371,067	22,902	10.50%	2,405	0	0
5/6/95	-	-	-	0	0	-	-	0	n/a	0	0	0
5/7/95	-	-	-	0	0	-	-	0	n/a	0	0	0
5/8/95	91	8	53	0	0	81.06	1,371,067	118,518	15.00%	17,778	25,000	0
5/9/95	93	9	59	0	0	80.9	1,328,303	118,518	15.00%	17,778	15,000	0
5/10/95	92	7	58	0	0	80.76	1,290,889	118,518	13.00%	15,407	25,000	0
5/11/95	92	10	65	0	0	80.6	1,248,125	118,518	14.00%	16,593	25,000	0
5/12/95	93	11	5600%	0	0	80.45	1,208,038	118,518	18.00%	21,333	25,000	0
5/13/95	94	9	61	0	0	80.35	1,181,312	118,518	15.00%	17,778	0	0
5/14/95	-	-	-	0	0	-	-	0	n/a	0	0	0
5/15/95	95	12	65	0	0	80.35	1,181,312	118,518	17.00%	20,148	25,000	0
5/16/95	95	8	61	0	0	80.19	1,138,552	118,518	14.00%	16,593	25,000	0
5/17/95	98	9	58	0	0	80.04	1,098,461	118,518	17.00%	20,148	25,000	0
5/18/95	95	8	55	0	0	79.89	1,058,391	118,518	15.50%	18,370	25,000	0
5/19/95	94	11	55	0	0	79.74	1,018,291	118,518	18.00%	21,333	25,000	0
5/20/95	90	7	80 .60"		26,879	79.6	982,529	94,614	8.00%	7,569	25,000	0
5/21/95	93	6	60	0	0	79.64	992,887	118,518	10.00%	11,852	0	0
5/22/95	90	7	53	0	0	79.57	974,844	118,518	13.00%	15,407	25,000	0
5/23/95	91	10	60	0	0	79.44	941,710	118,518	15.00%	17,778	25,000	0
5/24/95	90	8	65	0	0	79.3	906,516	118,518	11.00%	13,037	25,000	0
5/25/95	93	7	58	0	0	79.19	879,286	118,518	13.00%	15,407	25,000	0
5/26/95	92	6	60	0	0	79.09	854,814	118,518	9.50%	11,259	0	0
5/27/95	91	5	58	0	0	78.97	825,839	118,518	9.00%	10,667	0	0
5/28/95	-	-	-	0	0	-	-	0	n/a	0	0	0
5/29/95	92	6	60	0	0	79	833,016	118,518	10.00%	11,852	0	0
5/30/95	93	6	50	0	0	78.92	813,878	118,518	13.00%	15,407	0	0
5/31/95	95	4	50	0	0	78.85	797,291	118,518	11.00%	13,037	5,000	0
TOTALS	-	-	-	.60"	26,879	-	-	2,866,332	-	378,485	400,000	0

collected  
(400,000 + 378,485 - 335,915)  
= 442,570

335915

2866332  
- 378,485  
-----  
2,487,847



# Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Wetherell  
Secretary

May 19, 1995

Blanche V.G. Jacob, P.G.  
Post, Buckley, Schuh & Jernigan  
1560 Orange Avenue, Suite 700  
Winter Park, Florida 32789-5544

Subject: Response to the Hardee County Ground Water Annual Technical Report, dated April 28, 1995 by PBS&J Permit No. SO25-214306, Hardee County

Dear Ms. Jacob:

The Department has received your April 28, 1995 letter response to the Department's comments on the 1995 Hardee County Ground Water Annual Technical Report. Comments on Section 1, Item 3 and Appendix D have been adequately addressed. A response to Section 1, Item 5 and Section 7 will be expected in May. As the responses to Section 7 involve interpretation of hydrogeologic data, please provide a sealed copy of this report by a Florida-licensed professional geologist, in accordance with Florida Statute 492.

The response to Section 1, Item 5 mentioned that the County may wish to pursue the option of discharging leachate from the leachate collection trench as surface water. If the County decides to pursue this option, a meeting with the County and Department's solid waste personnel should be scheduled.

When evaluating the possibility of pursuing this option, please keep the following requirements in mind. A plan for surface water discharge would include, at a minimum, the following items:

- Sampling locations, frequency and parameters for the leachate from the intercept trench, and receiving water body locations upstream and downstream of the proposed discharge point.
- Classification of the water quality type of the receiving water body, and the distance between the receiving water and the proposed discharge point.
- Operational plan for treating the water to be discharged to ensure that it meets surface water quality standards.

Ms. Blanche Jacob  
May 19, 1995  
Page 2

- Operational plan for how the water will be discharged, and at what criteria it becomes necessary for discharging water.
- Plan for notification of the Department of sampling times, and the start and stop of proposed discharges, and volume of discharge.

Please note that F.A.C. Chapter 17-701.500(8)b requires treatment of leachate as necessary to meet the standards of surface or groundwaters.

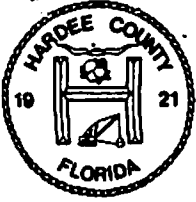
If you should have any questions or comments, please contact me at (813) 744-6100, ext. 336.

Sincerely,



Allison E. Amram, P.G.  
Solid Waste Section

cc: J.R. Prestridge, Hardee County Solid Waste  
Susan Pelz, E.I. - FDEP  
Robert Butera, P.E. - FDEP  
+ Kim Ford, P.E. - FDEP



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.

MAY 08 1995

SOUTHWEST DISTRICT  
TAMPA

May 5, 1995

Department of Environmental Protections  
Waste management Section  
Attention: Allison Amram, Environmental Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance, April-1995  
Monthly Ground Water Elevation, April-1995

Dear Ms. Amram:

Submitted for your review are the above referenced materials. Please feel free to contact me should you have any questions or comments.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

CC: file

Phone: (813) 773-5089 • FAX: (813) 773-0958

*gradient data  
removed to  
gradient file  
AA 5/12*

HARDEE COUNTY SOLID WASTE DEPARTMENT DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED THROUGH SPRAY FIELD	EVAPORATION RATE	GALLONS EVAPORATED	GALLONS SENT TO TREATMENT	OTHER
4/1/95	75	8	95	1.5	67,196	79.73	1,016,274	0	N/A	0	0	0
4/2/95	---	---	---	0	0	---	---	0	N/A	0	0	0
4/3/95	78	10	50	0	0	80.25	1,154,586	118,518	14.00%	16,593	25,000	0
4/4/95	80	11	60	0	0	80.13	1,122,514	113,938	13.00%	14,812	25,000	0
4/5/95	79	8	80	0	0	80.07	1,106,480	118,518	7.50%	8,889	25,000	0
4/6/95	78	7	90	0.9	40,318	80.26	1,157,259	95,616	5.90%	5,641	25,000	0
4/7/95	80	9	61	0	0	80.28	1,162,605	95,616	10.00%	9,562	25,000	0
4/8/95	80	10	93	0.7	31,358	80.45	1,208,038	0	N/A	0	0	0
4/9/95	---	---	---	0	0	---	---	0	N/A	0	0	0
4/10/95	89	10	55	0	0	80.65	1,261,490	95,616	15.00%	14,342	25,000	0
4/11/95	89	15	55	0	0	80.6	1,248,125	118,518	18.00%	21,333	25,000	0
4/12/95	87	10	55	0	0	80.48	1,216,057	118,518	14.00%	16,593	25,000	0
4/13/95	88	11	56	0	0	80.4	1,194,673	118,518	15.00%	17,778	25,000	0
4/14/95	83	8	58	0	0	80.3	1,167,947	118,518	10.00%	11,852	25,000	0
4/15/95	86	5	40	0	0	80.2	1,141,221	118,518	10.00%	11,852	0	0
4/16/95	---	---	---	0	0	---	---	0	N/A	0	0	0
4/17/95	89	7	42	0	0	80.22	1,146,567	118,518	14.50%	17,185	0	0
4/18/95	88	10	46	0	0	80.11	1,117,168	118,158	16.00%	18,963	0	0
4/19/95	90	8	45	0	0	80.05	1,101,134	118,518	15.50%	18,370	0	0
4/20/95	91	3	51	0	0	79.93	1,069,061	118,518	8.50%	10,074	0	0
4/21/95	92	5	30	0	0	79.8	1,034,594	118,518	15.00%	17,778	0	0
4/22/95	90	6	37	0	0	79.66	998,065	118,518	14.00%	16,593	0	0
4/23/95	---	---	---	0	0	---	---	0	N/A	0	0	0
4/24/95	89	8	60	0	0	79.76	1,024,126	118,518	11.00%	13,037	0	0
4/25/95	78	10	80	0.2	8,960	79.74	1,018,291	118,518	9.00%	10,667	0	0
4/26/95	80	8	71	0	0	79.7	1,008,423	118,518	0	10,074	25,000	0
4/27/95	88	8	60	0	0	79.6	982,529	118,518	11.00%	13,037	25,000	0
4/28/95	78	7	100	3.8	170,230	79.84	1,045,174	0	N/A	0	25,000	0
4/29/95	87	6	59	0	0	81.17	1,133,206	0	N/A	0	25,000	0
4/30/95	---	---	---	0	0	---	---	0	N/A	0	0	0
TOTAL	N/A	N/A	N/A	7.1	318,062	N/A	N/A	2,415,592	N/A	295,025	350,000	0

Collection  
 (350,000 + 295,025 + 124,183)  
 = 769,808

124183

2,415,592  
 - 295,025  
 -----  
 2,120,567 RETAIL





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

*Kim*

**RECEIVED**  
APR 04 1995

April 3, 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Department of Environmental Protections  
Waste Management Section  
Attention: Allison Amram, Environmental Specialist III  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Monthly Water Balance for March, 1995  
Monthly Ground Water Elevation  
Quarterly Water Sampling and Analysis  
Quarterly Methane Gas Monitoring  
Quarterly Leachate Sampling and Analysis

*- in gradient file*  
*- in gw file*  
*- in gas file*  
*- in leachate file*

Dear Ms. Amram:

Submitted for your review are the above referenced materials. Please feel free to contact myself or Janice should you have any questions.

Sincerely,

J.R. Prestridge,  
Assistant County Manager  
Solid Waste Superintendent

jw

CC: Allison Amram - DEP, Tampa  
Chongman Lee - DEP, Tallahassee  
Ed Hilton - Post, Buckley, Schuh & Jernigan, Inc.  
Mike Heine - City of Wauchula (Leachate ONLY)  
file

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
03/01/95	81 F	10	68%	.20"	8,960	80.22	1,146,567	89,088	9.5%	8,463	25,000	0
03/02/95	70 F	8	72%	0	0	80.19	1,138,552	82,560	7.5%	6,192	5,000	0
03/03/95	83 F	7	60%	0	0	80.22	1,146,567	82,560	9.0%	7,430	5,000	0
03/04/95	85 F	9	55%	0	0	80.25	1,154,586	59,602	13.0%	7,748	0	0
03/05/95	-	-	-	0	0	-	-	0	N/A	0	0	0
03/06/95	85 F	10	56%	0	0	80.29	1,165,278	100,882	14.0%	14,123	25,000	0
03/07/95	85 F	12	60%	0	0	80.17	1,133,206	100,882	15.0%	15,132	25,000	0
03/08/95	80 F	5	75%	1.50"	67,192	80.09	1,109,153	82,560	5.5%	4,541	25,000	0
03/09/95	70 F	20	54%	.30"	13,439	80.53	1,229,418	82,560	18.0%	14,861	20,000	0
03/10/95	60 F	20	42%	0	0	80.58	1,122,518	113,938	17.0%	19,369	0	0
03/11/95	70 F	15	60%	0	0	80.48	1,216,057	107,410	13.0%	13,963	25,000	0
03/12/95	-	-	-	0	0	-	-	0	N/A	0	0	0
03/13/95	73 F	12	60%	0	0	80.48	1,216,057	117,730	11.0%	12,950	5,000	0
03/14/95	78 F	14	60%	0	0	80.42	1,200,019	100,882	15.0%	15,132	25,000	0
03/15/95	78 F	9	70%	0	0	80.34	1,178,639	82,560	8.5%	7,018	25,000	0
03/16/95	82 F	6	60%	0	0	80.31	1,170,620	105,464	8.5%	8,964	25,000	0
03/17/95	78 F	8	59%	.20"	8,960	80.25	1,154,586	100,882	9.0%	9,079	25,000	0
03/18/95	78 F	7	73%	.50"	22,399	80.24	1,151,913	100,882	7.0%	7,062	25,000	0
03/19/95	79 F	8	80%	.50"	22,399	80.42	1,200,019	82,662	8.0%	6,613	0	0
03/20/95	80 F	7	53%	0	0	80.40	1,194,673	100,882	9.5%	9,578	25,000	0
03/21/95	85 F	10	45%	0	0	80.37	1,186,658	113,938	16.0%	18,230	0	0
03/22/95	85 F	8	55%	0	0	80.32	1,173,293	107,410	13.0%	13,963	25,000	0
03/23/95	83 F	20	58%	0	0	80.25	1,154,586	118,518	19.0%	22,518	25,000	0
03/24/95	85 F	10	45%	0	0	80.17	1,133,206	118,518	16.0%	18,963	0	0
03/25/95	81 F	9	60%	0	0	80.12	1,119,841	130,470	11.0%	14,352	25,000	0
03/26/95	-	-	-	0	0	-	-	0	N/A	0	0	0
03/27/95	85 F	7	60%	0	0	80.12	1,119,841	108,344	10.0%	10,834	25,000	0
03/28/95	85 F	8	70%	0	0	80.03	1,095,788	116,228	9.0%	10,461	25,000	0
03/29/95	86 F	5	44%	0	0	79.92	1,066,388	116,228	10.0%	11,623	25,000	0
03/30/95	88 F	9	46%	0	0	79.81	1,037,239	118,518	16.0%	18,963	25,000	0
03/31/95	83 F	8	51%	0	0	79.70	1,008,423	105,462	13.0%	13,710	25,000	0

TOTAL RAIN FALL IN INCHES 3.20"  
 TOTAL RAIN FALL IN GALLONS 143,349  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD 2,847,620  
 TOTAL GALLONS EVAPORATED 341,835  
 TOTAL GALLONS HAULED TO TREATMENT 510,000

- 148836  
 - 2,847,620  
 - 341,835  
 -----  
 2,505,785

COLLECTED  
 (570,000 + 341,835 - 148,836)  
 = 762,999

**I N T E R O F F I C E   M E M O R A N D U M**

**Date:** 13-Mar-1995 03:40pm EST  
**From:** Kim Ford TPA  
FORD K  
**Dept:** Southwest District Offi  
**Tel No:** 813/620-6100  
**SUNCOM:** 542-6100 Ext. 382

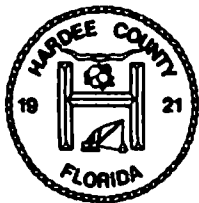
**TO:** Robert Butera TPA ( BUTERA\_R )  
**CC:** Susan Pelz TPA ( PELZ\_S )  
**CC:** Allison Amram TPA ( AMRAM\_A )  
**CC:** Steve Morgan TPA ( MORGAN\_S )

**Subject:** HARDEE COUNTY LANDFILL LEACHATE MANAGEMENT

The most recently submitted leachate report shows an inward gradient for the landfill and SPRAYFIELD. I spoke with Ms. Williamson today to congratulate her, but to also express two concerns that should be addressed.

1. Why are the number of gallons sprayed variable for a series of days with no rain? I have not reviewed the permitted maximum application rate. (If an inward gradient is maintained, the sprayfield should be expanded to its originally permitted dimensions. This point was not discussed with Ms. Williamson.)

2. Records show 25,000 gpd of leachate generated from the landfill, or 2100 gallons per acre per day. The expected leachate generated should be 500-1000 gallons per acre per day. The Hardee County Landfill currently generates 2 to 4 times more leachate than expected. I asked if most the intermediately covered areas drain to the leachate pond or to outside stormwater ditches. Ms. Williamson advised that 90% of the 11 acres of landfill having been intermediately covered currently drain to the leachate pond and a new drainage plan is being developed to redirect storwater to the outside ditches.



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

Page 1 of 2

March 1, 1995

Department of Environmental Protections  
Attention: Allison Amram/Kim Ford  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

Dear Allison and Kim:

Submitted for your review are the following:

- Required:
1. Monthly Water Balance  
Rain Fall Data
  2. Monthly Water Elevation  
MW1-Mw7, P1-P14
- Requested:
1. Weekly Water Elevations  
P3,4,5,6,12
  2. Number of opened, intermediate, and closed  
acres in Class I.
  3. Daily Water Balance Forms
  4. Coffee Can Measurements in South Sprayfield
  5. Clarification of Ground Elevations

As required each month, monthly water balances and elevations are provided for your perusal. In addition, weekly elevations were taken in the south spray field area as per requested by Kim Ford.

In response to the number of acres in the Class I Landfill that are opened, intermediately covered or closed, we have calculated the following:

.07 acres are opened  
11.73 acres are intermediately covered  
0 acres are closed

**RECEIVED**  
MAR 09 1995

Depart. of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

Page 2 of 2

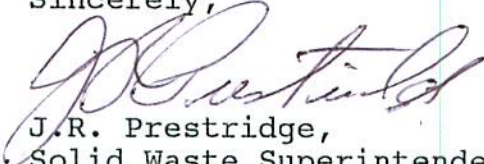
Also submitted by request from Kim Ford, are the daily water balance forms used by our staff to record daily elevations in the ditch, weather conditions, gallons sprayed and gallons evaporated.

On February 9, 1995, we ran the South spray field for 240 minutes, according to specifications on the pumps and sprinklers, this amounted to 18,322 gallons sprayed. As per your request, we also measured the amount being sprayed, using six large cans. At the end of 240 minutes, all six cans measured between 10/100 and 11/100. The test was ran again on February 26, 1995 for the same amount of time and we received the same results.

Concerning your questions of the ground elevations that were listed in the monthly ground water elevation reports, according our own survey, top of well casing elevations are correct. However, we did find several discrepancies in the height of casing above ground surface. We have made the appropriate changes in hopes that this will clarify any questions that you may have.

As always, should you need additional information or should you have questions on the enclosed submittals please feel free to contact us.

Sincerely,



J.R. Prestridge,  
Solid Waste Superintendent  
Assistant County Manager

jw

CC: file  
DEP-Tampa District  
Post, Buckley, Schuh & Jernigan

HARDEE COUNTY SANITARY LANDFILL DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	WIND DIRECTION	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
02/01/95	62 F	11		0	0	80.68	1,269,509	113,622	10.58	11,930	25,000	0
02/02/95	69 F	15		0	0	80.60	1,248,125	113,622	14.08	15,907	25,000	0
02/03/95	60 F	8		0	0	80.50	1,221,399	113,622	8.08	9,090	25,000	0
02/04/95	40 F	37		.10"	4,480	80.55	1,236,764	0	N/A	0	0	0
02/05/95	C	L		0	0	0	0	0	N/A	0	0	0
02/06/95	60 F	6		0	0	80.65	1,261,490	96,301	7.58	7,223	25,000	0
02/07/95	70 F	9		0	0	80.57	1,240,110	91,721	14.08	12,841	25,000	0
02/08/95	50 F	22		0	0	80.54	1,232,091	82,560	14.58	11,971	25,000	0
02/09/95	62 F	5		0	0	80.50	1,221,399	111,202	7.01	7,704	25,000	0
02/10/95	72 F	14		0	0	80.44	1,205,365	96,301	15.08	14,445	25,000	0
02/11/95	74 F	15		0	0	80.38	1,189,331	100,882	18.08	18,159	5,000	0
02/12/95	70 F	7		.30"	13,439	80.44	1,205,365	0	N/A	0	0	0
02/13/95	70 F	5		.60"	26,879	80.48	1,216,057	82,560	5.58	4,941	25,000	0
02/14/95	73 F	3		.10"	4,480	80.54	1,232,091	82,560	5.58	4,376	25,000	0
02/15/95	80 F	8		0	0	80.55	1,236,764	82,560	8.58	7,018	25,000	0
02/16/95	85 F	5		0	0	80.54	1,232,091	96,301	7.01	6,741	25,000	0
02/17/95	83 F	5		0	0	80.50	1,221,399	100,882	8.01	8,071	25,000	0
02/18/95	85 F	5		0	0	80.42	1,200,019	113,938	9.01	10,254	0	0
02/19/95	82 F	5		0	0	80.39	1,192,004	66,130	8.01	5,290	0	0
02/20/95	73 F	6		.60"	26,879	80.40	1,194,673	82,560	4.58	2,976	25,000	0
02/21/95	70 F	20		0	0	80.56	1,237,437	82,560	20.08	16,512	25,000	0
02/22/95	70 F	6		0	0	80.51	1,224,072	91,721	8.58	7,796	25,000	0
02/23/95	72 F	7		0	0	80.44	1,205,365	96,301	9.01	8,255	25,000	0
02/24/95	76 F	6		0	0	80.40	1,194,673	96,301	8.58	8,186	25,000	0
02/25/95	85 F	6		0	0	80.34	1,178,639	113,938	10.08	11,399	25,000	0
02/26/95	83 F	4		0	0	80.27	1,159,932	66,130	8.58	5,621	0	0
02/27/95	82 F	7		0	0	80.25	1,154,586	82,560	10.08	8,256	25,000	0
02/28/95	83 F	8		0	0	80.26	1,157,259	94,983	10.08	9,499	25,000	0

TOTAL RAIN FALL IN INCHES 1.70"  
 TOTAL RAIN FALL IN GALLONS 76,157  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD 2,351,820  
 TOTAL GALLONS EVAPORATED 234,141  
 TOTAL GALLONS BAILED TO TREATMENT 530,000

117592

collected  
 (530000 + 234141 - 117592)  
 = 646549

2351820  
 - 234141  
 -----  
 2117679 Rec'd

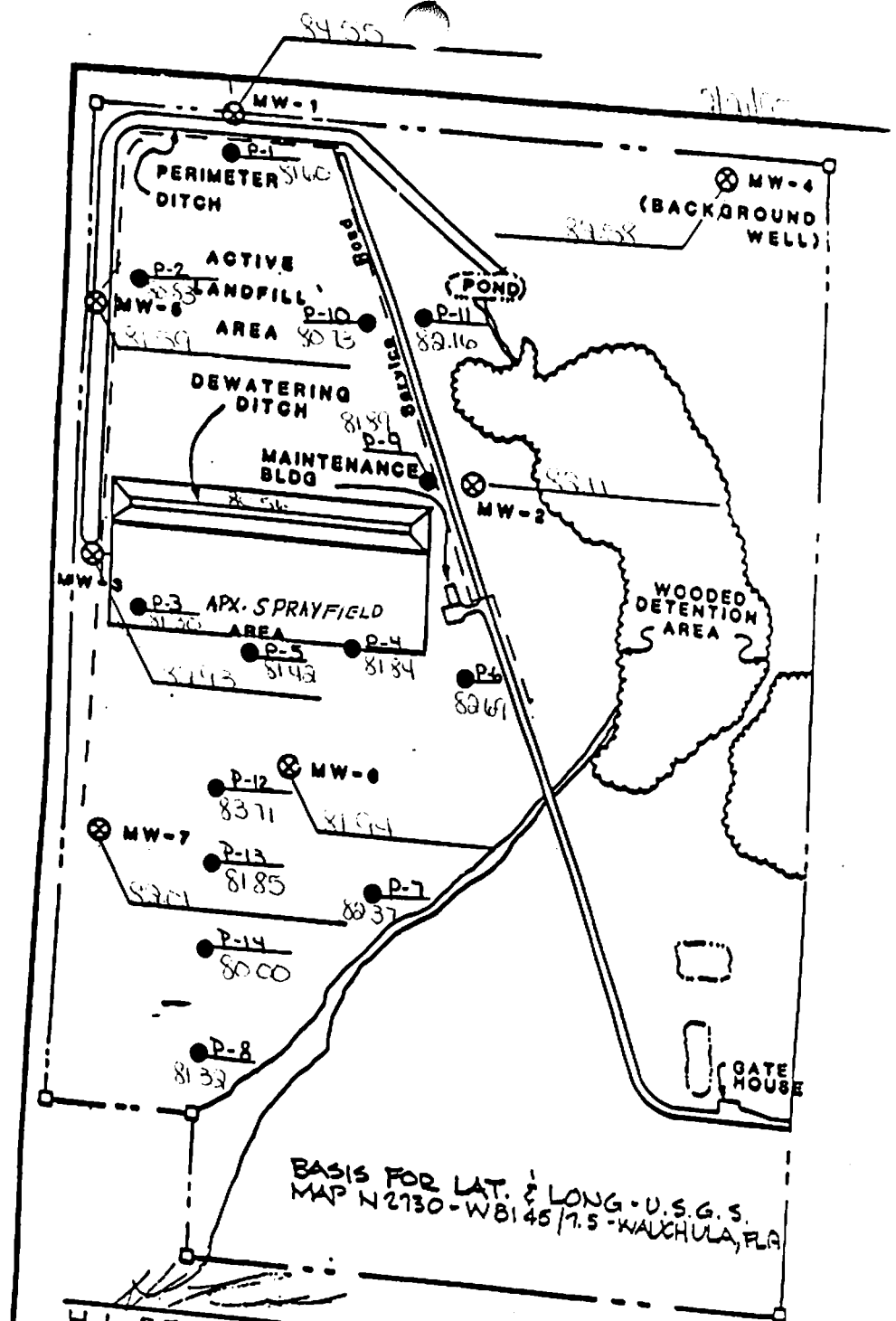
**HARDEE COUNTY SANITARY LANDFILL  
MONTHLY GROUNDWATER ELEVATIONS**

DATE: 2/2/95

RECORDED BY: J.W. for Shortt Engrs. Lab.

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	3.42	84.55
MW-2	85.86	83.75	2.11	3.75	82.11
MW-3	87.75	85.99	1.76	4.82	82.93
MW-4	87.16	84.09	3.07	4.58	82.58
MW-5	88.76	85.83	2.93	7.17	81.59
MW-6	87.94	84.59	3.35	6.00	81.94
MW-7	87.51	84.43	3.08	5.50	82.01
*****	*****	*****	*****	*****	*****
P-1	91.27	89.89	1.38	9.67	81.60
P-2	90.66	87.83	2.83	9.83	80.83
P-3	89.05	86.72	2.33	7.75	81.30
P-4	88.34	86.01	2.33	6.50	81.84
P-5	89.25	86.43	2.82	7.83	81.42
P-6	85.94	83.64	2.30	3.25	82.69
P-7	84.04	81.91	2.13	1.67	82.37
P-8	84.74	82.65	2.09	3.42	81.32
P-9	87.06	85.12	1.94	5.17	81.89
P-10	88.56	87.01	1.55	7.83	80.73
P-11	87.16	85.03	2.13	5.00	82.16
P-12	88.71	85.72	2.99	5.00	83.71
P-13	87.60	84.59	3.01	5.75	81.85
P-14	86.75	83.73	3.02	6.75	80.00

WATER ELEVATION IN THE DEWATERING DITCH: 80.56



H. L. BENNETT, P.L.S.  
 FLA. REG No. 3403

MONITOR WELL LOCATION  
 REGIONAL SANITARY LANDFILL, HARDEE, FLA.



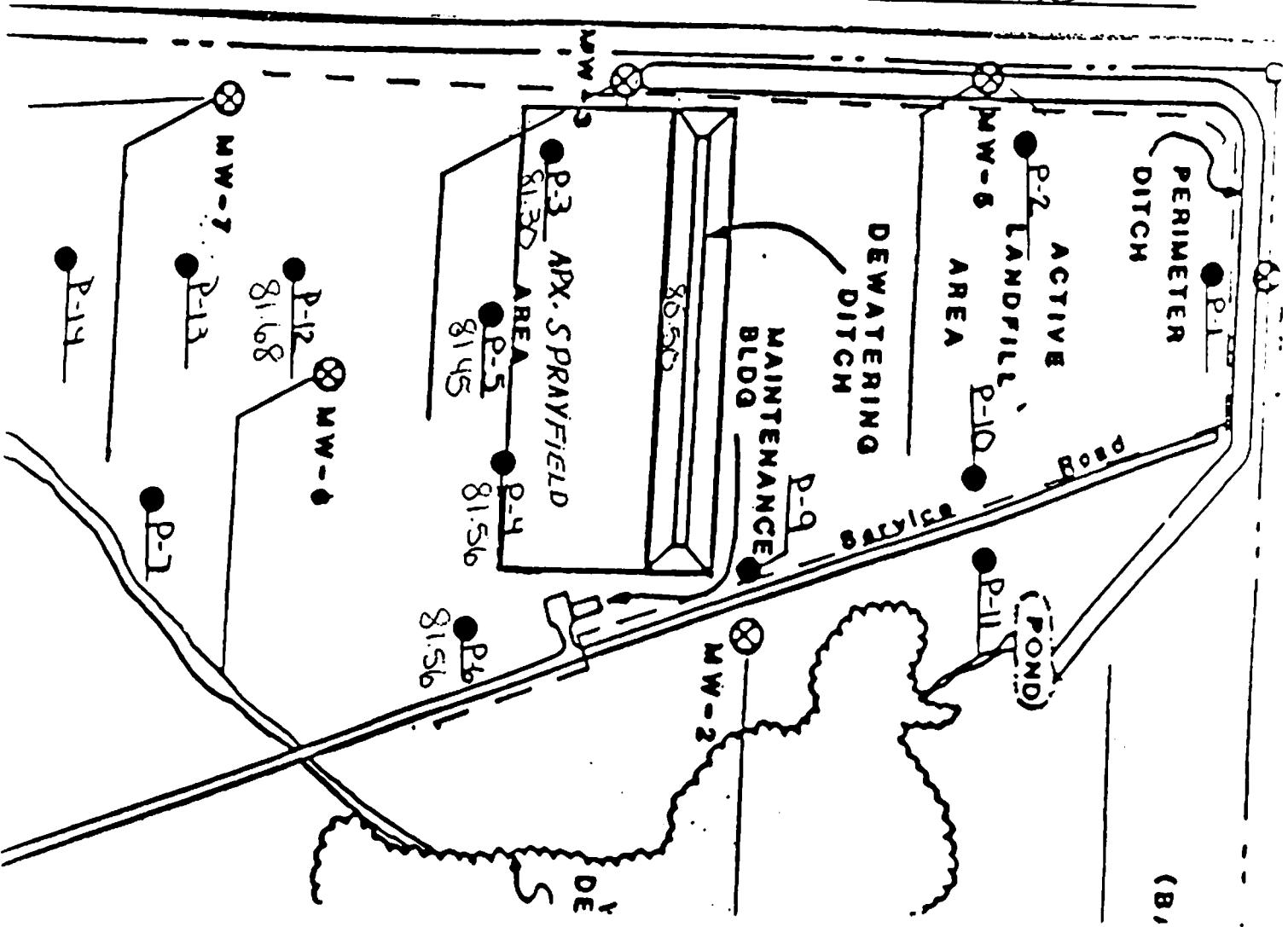
**HARDEE COUNTY SANITARY LANDFILL  
WEEKLY GROUNDWATER ELEVATIONS**

DATE: 2/17/95

RECORDED BY: *Jerry Hutto*

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
P-3	89.05	86.72	2.33	7.75	81.30
P-4	88.34	86.01	2.33	6.78	81.56
P-5	89.25	86.43	2.82	7.80	81.45
P-6	85.94	83.64	2.30	4.38	81.56
P-12	88.71	85.72	2.99	7.03	81.68

WATER ELEVATION IN THE DEWATERING DITCH: 80.50



(B)

EXISTING STAFF GAUGE AT  
HARDEE COUNTY SANITARY LANDFILL

DATE: \_\_\_\_\_  
 TIME: \_\_\_\_\_  
 STAFF GAUGE READING: \_\_\_\_\_  
 ELEVATION: \_\_\_\_\_  
 WEATHER CONDITIONS:  
 RAIN FALL: \_\_\_\_\_  
 AIR TEMP.: \_\_\_\_\_  
 WIND SPEED: \_\_\_\_\_  
 HUMIDITY: \_\_\_\_\_

13.00		84.83 ACTUAL STAFF GAUGE
		<u>84.50 ACTUAL ELEVATION</u>
12.00		83.50
11.00		82.50
10.00		81.50
9.00		80.50
8.00		79.50
7.00		78.50
6.00		77.50
5.00		76.50
4.00		75.50
3.00		74.50
2.00		73.50
1.00		72.50
0.00		71.50

REMARKS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 OPERATOR: \_\_\_\_\_

**DAILY SPRAY FIELD OPERATIONS**

DATE: \_\_\_\_\_

OPERATOR: \_\_\_\_\_

**ZONE ONE: SOUTH SPRAY FIELD**

START TIME: \_\_\_\_\_ FINISH TIME: \_\_\_\_\_

ZONE ONE = 76.34 GPM X \_\_\_\_\_ = \_\_\_\_\_ GPD  
(time)

\*\*\*\*\*

**ZONE TWO: WEST DITCH**

START TIME: \_\_\_\_\_ FINISH TIME: \_\_\_\_\_

ZONE TWO = 84.00 GPM X \_\_\_\_\_ = \_\_\_\_\_ GPD  
(time)

\*\*\*\*\*

**ZONE THREE: EAST DITCH**

START TIME: \_\_\_\_\_ FINISH TIME: \_\_\_\_\_

ZONE THREE = 88.00 GPM X \_\_\_\_\_ = \_\_\_\_\_ GPD  
(time)

\*\*\*\*\*

**ZONE FOUR: NORTH SPRAY FIELD**

START TIME: \_\_\_\_\_ FINISH TIME: \_\_\_\_\_

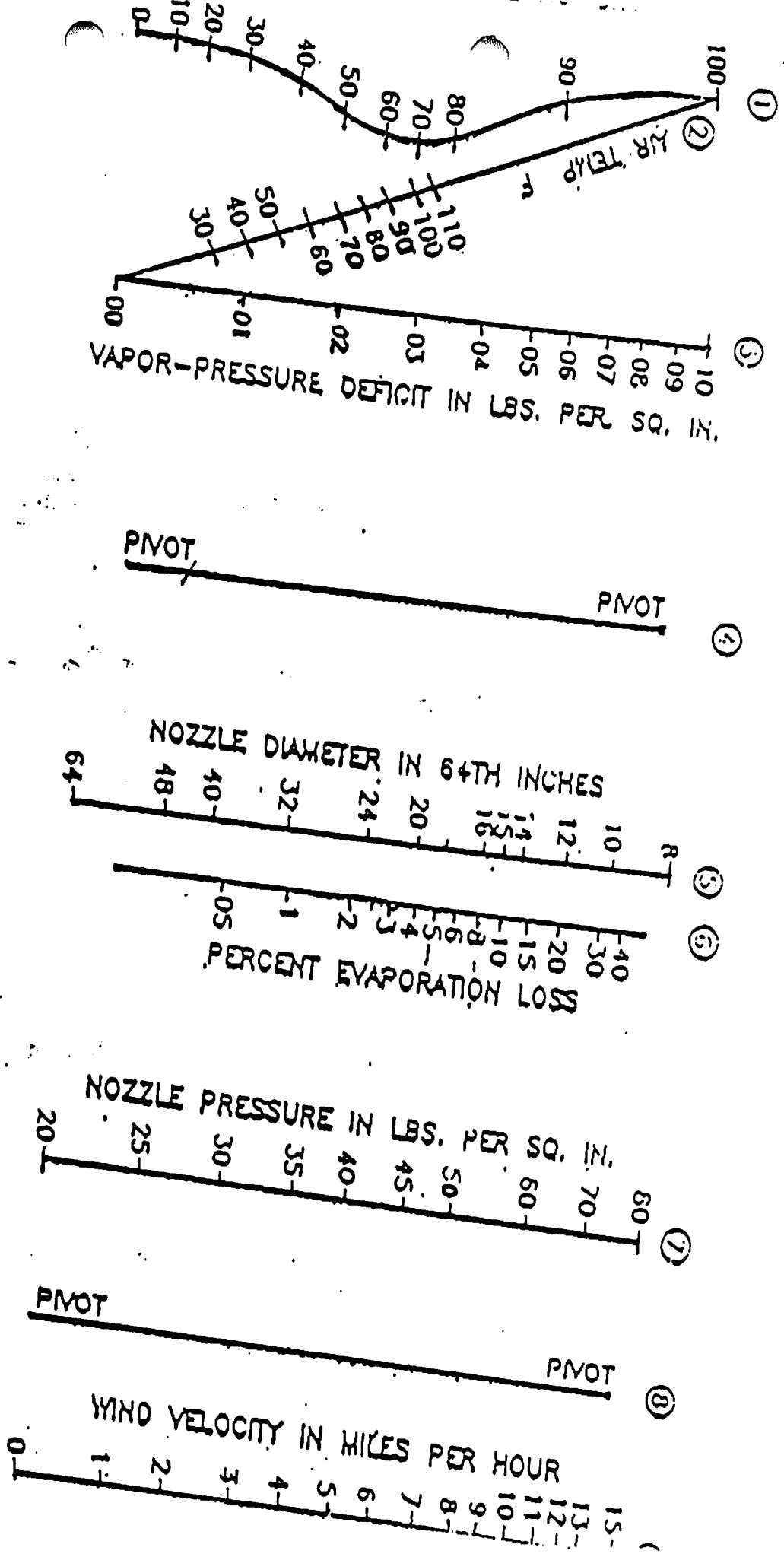
ZONE FOUR = 27.20 GPM X \_\_\_\_\_ = \_\_\_\_\_ GPD  
(time)

\*\*\*\*\*

**EVAPORATION:**

TOTAL GPD \_\_\_\_\_ X EVAPORATION RATE \_\_\_\_\_ =

TOTAL GALLONS EVAPORATED \_\_\_\_\_ PER DAY.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 2/10/95 Subject LEAKAGE/WATER BALANCE

Time 11:30 Am Permit No. \_\_\_\_\_

County HANDCO

Representing MS JANICE WILLIAMSON Telephone No. (813) 773-5089

Representing HANDCO

[ ] Phoned Me [  ] Was Called [ ] Scheduled Meeting [ ] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting \_\_\_\_\_

Summary of Conversation/Meeting I REQUESTED THE

FOLLOWING FROM MS WILLIAMSON:

1. TOP OF GROUND SURVEY FOR ALL WELLS' PIERZOMETERS &  
ACROSS THE ENTIRE SPRAYFIELD ON 100' GRID
2. RECORD # OPEN, INT & CLOSED ACROSS EACH ROW, ALSO  
DISCUSSED DIRECTION RUNOFF FROM TOP TO STORMWATER SYSTEM
3. ASKED FOR PIERZOMETER READINGS WEEKLY IN P-5, P-6 & P-12,  
SITE SUGGESTED P-3 & P-4 ALSO
4. RECORD # IN EACH SPACE ON FORMS, OR EXPLAIN.  
MS WILLIAMSON SAID SHE CHECK EACH SPRAYFIELD HEAD FOR  
APPLICATION RATES. SHE WILL SEND RESULTS

(continue on another  
sheet, if necessary)

Signature J. FORD

Title \_\_\_\_\_



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
FEB 03 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

*Kim*

February 1, 1995

Department of Environmental Protections  
Allison Amram, Environmental Specialist III  
Waste Management Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Daily Water Balance and Monthly Water Elevation

Dear Ms. Amram:

Enclosed you will find the above referenced materials. Please feel free to contact me should you have any questions.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary/  
Recycling Coordinator

jw

cc: P.B.S. & J.  
file

*water elevations moved to gradient file 2/3/95 KA*

Phone: (813) 773-5089 • FAX: (813) 773-0958

HARDY COUNTY SANITARY LANDFILL DAILY WATER BALANCE

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAI. FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
01/01/95	76 F	7	68%	0	0	81.36	1,451,245	96,902	8.0%	7,752	0	0
01/02/95	74 F	6	70%	0	0	81.30	1,435,207	96,902	6.5%	6,229	0	0
01/03/95	70 F	5	66%	0	0	81.26	1,424,519	96,902	6.0%	5,814	15,000	0
01/04/95	56 F	6	100%	.60"	26,879	81.21	1,411,154	0	N/A	0	25,000	0
01/05/95	62 F	7	60%	.10"	4,480	81.28	1,429,865	82,214	7.5%	6,166	25,000	0
01/06/95	73 F	15	78%	0	0	81.18	1,403,139	82,214	11.0%	9,044	25,000	0
01/07/95	66 F	7	90%	.80"	35,838	81.12	1,387,101	20,554	5.8%	1,192	25,000	0
01/08/95												
01/09/95	68 F	8	78%	0	0	81.41	1,464,606	82,214	7.0%	5,755	25,000	0
01/10/95	73 F	6	45%	0	0	81.32	1,440,553	82,214	9.0%	7,399	25,000	0
01/11/95	75 F	7	55%	0	0	81.23	1,416,500	82,214	9.0%	7,399	25,000	0
01/12/95	76 F	9	55%	0	0	81.16	1,397,793	82,214	11.0%	9,044	25,000	0
01/13/95	75 F	10	60%	0	0	81.08	1,376,413	20,554	10.5%	2,158	25,000	0
01/14/95	70 F	14	100%	1.30"	58,237	81.13	1,389,774	82,214	7.0%	5,755	25,000	0
01/15/95												
01/16/95	64 F	14	75%	0	0	81.52	1,494,005	82,214	9.5%	7,810	25,000	0
01/17/95	63 F	9	65%	0	0	81.46	1,477,971	82,214	8.0%	6,577	25,000	0
01/18/95	69 F	10	65%	0	0	81.38	1,456,591	82,214	9.0%	7,399	25,000	0
01/19/95	75 F	11	61%	0	0	81.32	1,440,553	82,214	11.5%	9,455	25,000	0
01/20/95	60 F	11	65%	0	0	81.26	1,424,519	82,214	9.0%	7,399	25,000	0
01/21/95	60 F	6	57%	0	0	81.20	1,367,581	0	N/A	0	25,000	0
01/22/95												
01/23/95	70 F	15	66%	0	0	81.28	1,429,865	56,098	12.0%	6,732	25,000	0
01/24/95	53 F	12	67%	0	0	81.19	1,405,812	82,214	9.0%	7,399	25,000	0
01/25/95	60 F	5	40%	0	0	81.09	1,379,086	82,214	7.0%	5,755	25,000	0
01/26/95	65 F	5	40%	0	0	80.99	1,352,356	96,902	8.0%	7,752	25,000	0
01/27/95	73 F	5	45%	0	0	80.89	1,325,630	96,902	9.0%	8,721	0	0
01/28/95	75 F	6	53%	0	0	80.76	1,290,889	141,062	9.0%	12,696	0	0
01/29/95	61 F	7	61%	0	0	80.70	1,274,851	141,062	8.5%	11,990	0	0
01/30/95	55 F	8	100%	.40"	17,919	80.65	1,261,486	111,082	5.3%	5,887	25,000	0
01/31/95	60 F	5	67%	0	0	80.70	1,274,851	126,072	5.5%	6,934	0	0

TOTAL RAIN FALL INCHES  
 TOTAL RAIN FALL GALLONS  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD  
 TOTAL GALLONS EVAPORATED  
 TOTAL GALLONS HAULED TO TREATMENT

3.20"  
 143,353  
 2,251,990  
 186,233  
 540,000

-1163,94

186,213

540,000

RECIRCULATION  
 2,251,990  
 - 186,233  
 2,065,757

COLLECTED  
 (540,000 + 186,213 - 176,394)  
 = 549,819

## 1994 ANNUAL SUMMARY FOR DAILY WATER BALANCE

## RAIN FALL:

<u>MONTH</u>	<u>INCHES</u>	(2 AC) <u>GALLONS</u>
JANUARY	3.65	161,513
FEBRUARY	1.55	68,588
MARCH	3.10	138,874
APRIL	.80	35,400
MAY	1.90	84,075
JUNE	18.30	800,925
JULY	8.00	358,381
AUGUST	9.20	412,146
SEPTEMBER	12.90	577,890
OCTOBER	4.40	197,111
NOVEMBER	2.80	125,435
DECEMBER	3.50	156,793
<b>TOTAL</b>	<b>70.10</b>	<b>3,117,131</b>

## SPRAYED THROUGH FIELD, EVAPORATED, AND HAULED TO TREATMENT:

<u>MONTH</u>	<u>SPRAYED</u>	<u>EVAPORATED</u>	<u>TREATMENT</u>
JANUARY	249,480	7,930	42,000
FEBRUARY	0	0	474,000
MARCH	0	0	480,000
APRIL	379,456	11,749	624,000
MAY	271,040	9,882	550,000
JUNE	0	0	605,000
JULY	486,976	40,975	895,000
AUGUST	2,326,150	316,047	935,000
SEPTEMBER	2,179,922	234,854	600,000
OCTOBER	2,620,764	307,821	560,000
NOVEMBER	2,025,684	280,054	420,000
DECEMBER	1,736,771	160,162	490,000
<b>TOTAL</b>	<b>12,276,243</b>	<b>1,369,474</b>	<b>6,675,000</b>



DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	TIME	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLON PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER	
	9	70%	0	0	-	-	120,564	9.5%	11,454	25,000	0	
	8	54%	0	0	-	-	120,564	13.0%	15,673	25,000	0	
	11	61%	0	0	82.00	1,622,289	120,564	14.0%	16,879	25,000	0	
	85 F	58%	0	0	82.04	1,632,981	120,564	13.0%	15,673	25,000	0	
9/94	84 F	53%	0	0	81.92	1,600,908	120,564	15.5%	18,085	25,000	0	
5/94												
7/94	86 F	9	52%	0	0	81.88	1,590,221	120,564	15.0%	18,085	25,000	0
3/94	88 F	10	55%	0	0	81.78	1,563,495	111,384	15.0%	16,708	25,000	0
3/94	86 F	9	55%	0	0	81.68	1,536,769	111,384	14.5%	16,151	25,000	0
3/94	88 F	7	60%	0	0	81.60	1,515,385	111,384	10.5%	11,695	25,000	0
1/94	86 F	10	60%	.10"	4,480	81.53	1,496,678	86,400	14.0%	12,096	25,000	0
2/94	86 F	8	63%	.20"	8,960	81.54	1,499,351	78,984	10.0%	7,898	0	0
3/94												
4/94	80 F	14	71%	0	0	81.47	1,480,644	111,384	13.0%	14,480	20,000	0
5/94	83 F	12	82%	.40"	17,919	81.46	1,477,971	111,384	10.0%	11,138	25,000	0
6/94	80 F	14	90%	2.00"	89,596	82.08	1,643,673	86,400	9.5%	8,208	25,000	0
7/94	78 F	12	90%	.10"	4,480	82.10	1,649,015	21,600	8.0%	1,728	20,000	0
8/94	78 F	11	80%	0	0	82.13	1,657,034	0	N/A	0	5,000	0
9/94	86 F	10	75%	0	0	82.15	1,662,380	71,938	9.5%	6,834	5,000	0
0/94												
1/94	85 F	10	83%	0	0	82.15	1,662,380	77,076	8.5%	6,551	0	0
2/94	86 F	14	71%	0	0	82.08	1,643,673	71,938	14.0%	10,071	15,000	0
3/94	89 F	15	60%	0	0	82.01	1,624,962	39,974	17.0%	6,796	15,000	0
4/94	88 F	11	68%	0	0	81.92	1,600,909	82,214	13.5%	11,099	0	0
5/94	84 F	8	60%	0	0	81.88	1,590,221	82,214	11.0%	9,044	0	0
6/94	83 F	10	67%	0	0	81.87	1,587,548	82,214	12.0%	9,866	0	0
7/94												
8/94	85 F	12	55%	0	0	81.85	1,582,202	82,214	16.0%	13,154	0	0
9/94	89 F	9	57%	0	0	81.80	1,568,837	0	N/A	0	15,000	0
0/94	88 F	7	50%	0	0	81.71	1,544,784	82,214	13.0%	10,688	25,000	0

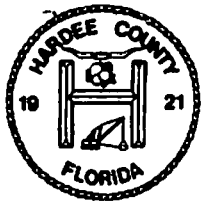
TOTAL RAIN FALL IN INCHES 2.80"  
 TOTAL RAIN FALL IN GALLONS 125,435  
 TOTAL GALLONS PUMPED THROUGH SPRAY ZONES 2,025,634  
 TOTAL GALLONS EVAPORATED 280,054  
 TOTAL GALLONS HAULED TO TREATMENT 420,000

# Daily Water Balance for Hardee County S.W. Dept.

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
12/01/94	85 F	10	68%	0	0	81.60	1,515,385	82,214	13.5%	11,099	15,000	0
12/02/94	86 F	10	68%	0	0	81.50	1,488,659	82,214	12.0%	9,866	20,000	0
12/03/94	88 F	8	68%	0	0	81.38	1,483,313	82,214	10.0%	8,221	0	0
12/04/94	86 F	7	69%	0	0	81.35	1,475,294	82,214	9.0%	7,399	0	0
12/05/94	85 F	7	85%	1.00"	44,798	81.52	1,494,005	82,214	6.5%	5,344	25,000	0
12/06/94	84 F	8	79%	0	0	81.48	1,483,317	82,214	8.5%	6,988	25,000	0
12/07/94	84 F	6	70%	0	0	81.42	1,467,279	82,214	7.5%	6,166	25,000	0
12/08/94	81 F	8	74%	0	0	81.15	1,395,120	0	N/A	0	25,000	0
12/09/94	84 F	8	74%	0	0	81.25	1,421,846	30,830	8.5%	2,621	15,000	0
12/10/94	88 F	6	68%	0	0	81.28	1,429,865	82,214	8.5%	6,988	25,000	0
12/11/94												
12/12/94	78 F	7	56%	.40"	17,919	81.34	1,444,549	82,214	9.5%	7,810	25,000	0
12/13/94	76 F	7	69%	0	0	81.25	1,421,846	82,214	8.0%	6,577	25,000	0
12/14/94	70 F	10	70%	0	0	81.18	1,403,139	82,214	9.0%	7,399	25,000	0
12/15/94	75 F	10	68%	0	0	81.10	1,381,755	82,214	12.0%	9,866	25,000	0
12/16/94	75 F	8	67%	0	0	81.03	1,363,048	82,214	9.0%	7,399	25,000	0
12/17/94	79 F	8	75%	0	0	80.96	1,344,339	82,214	8.0%	6,577	25,000	0
12/18/94												
12/19/94	72 F	9	43%	0	0	81.00	1,355,029	82,214	13.0%	10,688	25,000	0
12/20/94	75 F	9	78%	0	0	80.91	1,330,976	82,214	8.5%	6,988	25,000	0
12/21/94	70 F	5	98%	1.90"	85,116	81.13	1,389,774	0	N/A	0	25,000	0
12/22/94	75 F	7	100%	.20"	8,960	81.46	1,477,971	0	N/A	0	25,000	0
12/23/94												
12/24/94												
12/25/94												
12/26/94												
12/27/94	75 F	8	63%	0	0	81.63	1,523,404	82,214	9.0%	7,399	25,000	0
12/28/94	76 F	8	65%	0	0	81.53	1,496,678	82,214	9.0%	7,399	0	0
12/29/94	78 F	5	68%	0	0	81.50	1,488,659	82,214	7.0%	5,755	0	0
12/30/94	80 F	7	65%	0	0	81.46	1,477,971	82,214	8.5%	6,988	15,000	0
12/31/94	85 F	5	70%	0	0	81.51	1,491,332	61,661	7.5%	4,625	25,000	0

TOTAL RAIN FALL IN INCHES	3.50"
TOTAL RAIN FALL IN GALLONS	156,793
TOTAL GALLONS PUMPED THROUGH SPRAY FIELD	1,736,771
TOTAL GALLONS EVAPORATED	160,162
TOTAL GALLONS PUMPED TO TREATMENT	440,000

*Leachate Quantity File AR 12/6/94*



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.  
DEC - 5 1994  
SOUTHWEST DISTRICT  
TAMPA

December 1, 1994

Department of Environmental Protections  
Solid Waste Management Section  
Attention: Allison Amram, Env. Spc. III  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318

RE: Daily Water Balance and Monthly Water Elevations

Dear Ms. Amram:

Submitted for your review are the above referenced materials. We would like to thank you for the time you spent answering our questions during your last inspection. We hope to develop a strong working relationship that will benefit both sides of the fence.

Therefore, should you have any questions or comments, as always, please do not hesitate to contact us.

Sincerely,

Janice Williamson,  
Executive Secretary  
Recycling Coordinator

**DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL**

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	IN FALL GALLONS	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
1/01/94	85 F	9	70%	0	0	-	-	120,564	9.5%	11,454	25,000	0
1/02/94	85 F	8	54%	0	0	-	-	120,564	13.0%	15,673	25,000	0
1/03/94	85 F	11	61%	0	0	82.00	1,622,289	120,564	14.0%	16,879	25,000	0
1/04/94	85 F	9	58%	0	0	82.04	1,632,981	120,564	13.0%	15,673	25,000	0
1/05/94	84 F	11	53%	0	0	81.92	1,600,908	120,564	15.5%	18,085	25,000	0
1/06/94												
1/07/94	86 F	9	52%	0	0	81.88	1,590,221	120,564	15.0%	18,085	25,000	0
1/08/94	88 F	10	55%	0	0	81.78	1,563,495	111,384	15.0%	16,708	25,000	0
1/09/94	86 F	9	55%	0	0	81.68	1,536,769	111,384	14.5%	16,151	25,000	0
1/10/94	88 F	7	60%	0	0	81.60	1,515,385	111,384	10.5%	11,695	25,000	0
1/11/94	86 F	10	60%	.10"	4,480	81.53	1,496,678	86,400	14.0%	12,096	25,000	0
1/12/94	86 F	8	63%	.20"	8,960	81.54	1,499,351	78,984	10.0%	7,898	0	0
1/13/94												
1/14/94	80 F	14	71%	0	0	81.47	1,480,644	111,384	13.0%	14,480	20,000	0
1/15/94	83 F	12	82%	.40"	17,919	81.46	1,477,971	111,384	10.0%	11,138	25,000	0
1/16/94	80 F	14	90%	2.00"	89,596	82.08	1,643,673	86,400	9.5%	8,208	25,000	0
1/17/94	78 F	12	90%	.10"	4,480	82.10	1,649,015	21,600	8.0%	1,728	20,000	0
1/18/94	78 F	11	80%	0	0	82.13	1,657,034	0	N/A	0	5,000	0
1/19/94	86 F	10	75%	0	0	82.15	1,662,380	71,938	9.5%	6,834	5,000	0
1/20/94												
1/21/94	85 F	10	83%	0	0	82.15	1,662,380	77,076	8.5%	6,551	0	0
1/22/94	86 F	14	71%	0	0	82.08	1,643,673	71,938	14.0%	10,071	15,000	0
1/23/94	89 F	15	60%	0	0	82.01	1,624,962	39,974	17.0%	6,796	15,000	0
1/24/94	88 F	11	68%	0	0	81.92	1,600,909	82,214	13.5%	11,099	0	0
1/25/94	84 F	8	60%	0	0	81.88	1,590,221	82,214	11.0%	9,044	0	0
1/26/94	83 F	10	67%	0	0	81.87	1,587,548	82,214	12.0%	9,866	0	0
1/27/94												
1/28/94	85 F	12	55%	0	0	81.85	1,582,202	82,214	16.0%	13,154	0	0
1/29/94	89 F	9	57%	0	0	81.80	1,568,837	0	N/A	0	15,000	0
1/30/94	88 F	7	50%	0	0	81.71	1,544,784	82,214	13.0%	10,688	25,000	0

TOTAL RAIN FALL IN INCHES	2.80"
TOTAL RAIN FALL IN GALLONS	125,435
TOTAL GALLONS PUMPED THROUGH SPRAY ZONES	2,025,694
TOTAL GALLONS EVAPORATED	280,054
TOTAL GALLONS HAULED TO TREATMENT	420,000

**HARDEE COUNTY SANITARY LANDFILL**

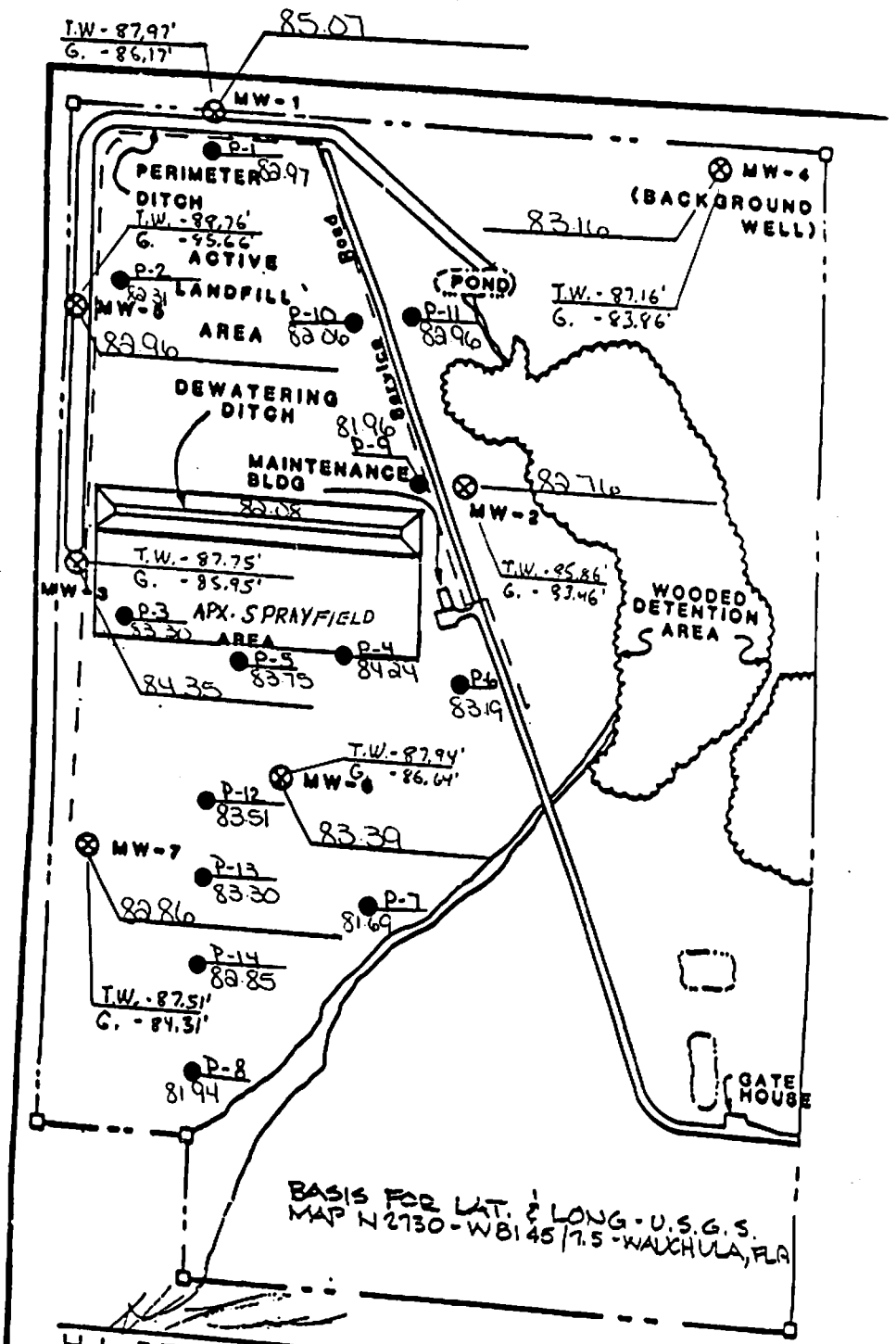
**GROUNDWATER ELEVATIONS**

DATE: 11/16/94

RECORDED BY: J. Hatto

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	2.90	85.07
MW-2	85.86	83.68	2.18	3.10	82.76
MW-3	87.75	86.07	1.68	3.40	84.35
MW-4	87.16	84.44	2.72	4.00	83.16
MW-5	88.76	85.76	3.00	5.80	82.96
MW-6	87.94	84.68	3.26	4.55	83.39
MW-7	87.51	84.55	2.96	4.65	82.86
*****	*****	*****	*****	*****	*****
P-1	91.27	88.97	2.30	8.30	82.97
P-2	90.66	87.66	3.00	8.35	82.31
P-3	89.05	86.60	2.45	5.75	83.30
P-4	88.34	85.34	3.00	4.10	84.24
P-5	89.25	86.42	2.83	5.50	83.75
P-6	85.94	83.44	2.50	2.75	83.19
P-7	84.04	81.84	2.20	2.35	81.69
P-8	84.74	82.67	2.08	2.80	81.94
P-9	87.06	84.81	2.25	5.10	81.96
P-10	88.56	86.40	2.16	6.50	82.06
P-11	87.16	85.08	2.08	4.20	82.96
P-12	88.71	85.71	3.00	5.20	83.51
P-13	87.60	84.60	3.00	4.30	83.30
P-14	86.75	83.75	3.00	3.90	82.85

WATER ELEVATION IN THE DEWATERING DITCH: 82.08



H. L. BENNETT, P.L.S.  
 FLA. REG No. 3403

MONITOR WELL LOCATION  
 REGIONAL SANITARY LANDFILL, HAZDEE



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.

SEP - 7 1994

TAMPA

*leachate  
quantity*

September 6, 1994

Department of Environmental Protections  
Allison Amram, Environmental Specialist III  
Waste Management Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Daily Water Balance and Weekly Elevations

Dear Ms. Amram:

Submitted for your review, are the above referenced materials. Please do not hesitate to contact me should you have any questions or comments.

Truly,

*Janice Williamson*

Janice Williamson,  
Executive Secretary/  
Recycling Coordinator

jw

*gw elevations in  
gradient folder*

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	AIR TEMP.	WIND SPEED M.P.H.	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE ELEVATION	ESTIMATED GALLONS STORED	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
08/01/94	91 F	8	75%	1.00"	44,798			34,784	9.0%	3,131	40,000	0
08/02/94	89 F	5	90%	0.10"	4,480	80.80	1,301,577	34,784	5.1%	1,774	25,000	0
08/03/94	91 F	12	95%	0.20"	8,960	80.81	1,304,250	34,784	8.1%	2,818	25,000	0
08/04/94											40,000	0
08/05/94	91 F	8	86%	0.10"	4,480	80.70	1,274,847	34,784	7.8%	2,713	40,000	0
08/06/94	94 F	12	72%	0.40"	17,919	80.60	1,248,117	34,784	13.0%	4,522	40,000	0
08/07/94												
08/08/94	92 F	8	79%	0.10"	4,480	80.66	1,264,155	34,784	8.2%	2,852	35,000	0
08/09/94	100 F	8	70%	0	0	80.59	1,250,790	34,784	13.0%	4,522	5,000	0
08/10/94	94 F	8	81%	0	0	80.56	1,242,771	34,784	8.3%	2,887	40,000	0
08/11/94	92 F	8	72%	0.20"	8,960	80.96	1,344,339	94,164	9.8%	9,228	35,000	0
08/12/94	95 F	10	78%	0.60"	26,880	80.45	1,208,038	120,564	11.0%	13,262	40,000	0
08/13/94	92 F	10	60%	0.20"	8,960	80.34	1,178,639	120,564	15.0%	18,079	40,000	0
08/14/94												
08/15/94	92 F	12	70%	0.70"	31,360	80.53	1,229,418	118,728	14.0%	16,622	35,000	0
08/16/94	100 F	8	66%	0.40"	17,919	80.54	1,232,091	120,564	14.0%	16,879	40,000	0
08/17/94	100 F	7	61%	0.30"	13,440	80.53	1,229,418	120,564	15.0%	18,085	40,000	0
08/18/94	96 F	10	50%	0	0	80.46	1,210,711	131,364	18.0%	23,646	30,000	0
08/19/94	92 F	8	56%	0.20"	8,960	80.42	1,200,019	97,824	15.0%	14,674	35,000	0
08/20/94	96 F	8	56%	0.50"	22,399	80.45	1,208,038	111,384	15.5%	17,265	40,000	0
08/21/94												
08/22/94	95 F	7	78%	0.30"	13,439	80.50	1,221,391	120,564	8.8%	10,610	40,000	0
08/23/94	95 F	7	60%	0	0	80.45	1,341,666	120,564	13.0%	15,673	35,000	0
08/24/94	95 F	11	60%	0.10"	4,480	80.35	1,181,312	120,564	18.0%	21,702	40,000	0
08/25/94	94 F	7	70%	0.60"	26,879	80.37	1,186,658	120,564	10.5%	12,659	40,000	0
08/26/94	95 F	8	57%	2.50"	111,995	80.96	1,344,339	86,400	16.0%	13,824	40,000	0
08/27/94	95 F	9	55%	0.30"	13,439	81.02	1,360,375	120,564	17.0%	20,496	40,000	0
08/28/94												
08/29/94	94 F	7	61%	0.40"	17,919	81.13	1,389,774	111,384	12.0%	13,366	25,000	0
08/30/94	94 F	9	54%	0	0	81.08	1,376,413	120,564	16.0%	19,290	25,000	0
08/31/94	95 F	9	54%	0	0	81.00	1,355,029	90,990	17.0%	15,468	25,000	0

TOTAL RAIN FALL IN INCHES	9.20"
TOTAL RAIN FALL IN GALLONS	412,146
TOTAL GALLONS PUMPED THROUGH SPRAY FIELD	2,326,150
TOTAL GALLONS EVAPORATED	316,047
TOTAL GALLONS HAULED TO TREATMENT	935,000





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
AUG 04 1994

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

August 3, 1994

Department of Environmental Protections  
Allison Amram, Environmental Specialist III  
Waste Management Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

*leachate  
quantity*

RE: Daily Water Balance and Weekly Water Elevations

Dear Ms. Amram:

Enclosed you will find the above referenced materials submitted for your perusal from Hardee County Solid Waste Department. Your questions and comments are welcome so do not hesitate to contact us should you have them.

Sincerely,

*Janice Williamson*

Janice Williamson,  
Executive Secretary/  
Recycling Coordinator

jw

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	AIR TEMP.	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	ESTIMATED GALLONS STORED	METER READING	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
7/01/94	90 F	5	79%	.60"	26,879	80.85	1,314,940	-	0	6.8%	0	25,000	0
7/02/94	90 F	10	82%	.40"	17,919	80.86	1,317,613	-	0	9.0%	0	25,000	0
7/03/94													
7/04/94													
7/05/94	94 F	4	73%	.30"	13,439	80.94	1,338,991	-	0	7.0%	0	25,000	0
7/06/94	92 F	5	70%	0	0	80.89	1,325,625	-	0	8.0%	0	25,000	0
7/07/94	89 F	8	78%	.30"	13,439	80.87	1,320,285	-	0	8.2%	0	25,000	0
7/08/94	89 F	4	86%	1.00"	44,798	80.96	1,344,339	-	0	5.0%	0	25,000	0
7/09/94	92 F	6	71%	1.10"	49,277	81.16	1,397,790	-	0	8.0%	0	40,000	0
7/10/94													
7/11/94	96 F	8	63%	0	0	81.15	1,395,118	-	0	13.0%	0	40,000	0
7/12/94	92 F	5	80%	0	0	81.07	1,373,737	-	0	6.8%	0	40,000	0
7/13/94	100 F	6	62%	0	0	81.01	1,357,702	-	0	13.0%	0	40,000	0
7/14/94	96 F	5	65%	0	0	80.94	1,338,993	-	0	9.0%	0	40,000	0
7/15/94	99 F	6	63%	0	0	80.80	1,301,577	-	34,784	11.0%	3,826	40,000	0
7/16/94	99 F	5	62%	.70"	31,358	80.81	1,304,250	-	34,784	10.0%	3,478	40,000	0
7/17/94													
7/18/94	88 F	4	90%	0	0	80.70	1,274,851	-	34,784	4.8%	1,670	40,000	0
7/19/94	99 F	6	63%	0	0	80.59	1,245,452	-	34,784	11.0%	3,826	25,000	0
7/20/94	90 F	5	80%	1.30"	58,237	80.74	1,285,541	-	34,784	6.3%	2,191	40,000	0
7/21/94	97 F	6	73%	.20"	8,960	80.71	1,277,524	-	34,784	8.8%	3,061	40,000	0
7/22/94	98 F	5	67%	.10"	4,480	80.67	1,266,833	-	34,784	9.7%	3,374	40,000	0
7/23/94	99 F	5	69%	0	0	80.60	1,248,125	-	34,784	9.0%	3,131	40,000	0
7/24/94													
7/25/94	92 F	5	83%	.30"	13,439	80.65	1,261,488	-	34,784	6.0%	2,087	40,000	0
7/26/94	84 F	4	93%	.80"	35,838	80.65	1,261,488	-	34,784	4.4%	1,530	40,000	0
7/27/94	94 F	8	80%	.40"	17,919	80.68	1,269,506	-	34,784	9.0%	3,131	40,000	0
7/28/94	92 F	7	90%			80.62	1,253,470	-	34,784	7.0%	2,435	40,000	0
7/29/94	92 F	10	85%	.50"	22,399	80.66	1,264,161	-	34,784	8.8%	3,061	40,000	0
7/30/94	96 F	9	71%	0	0	80.62	1,253,470	-	34,784	12%	4,174	40,000	0
7/31/94													
					358,381							895,000	

TOTAL RAIN FALL IN INCHES 8"  
 TOTAL RAIN FALL IN GALLONS 358,381  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD 486,976  
 TOTAL GALLONS EVAPORATED 40,975  
 TOTAL GALLONS HAULED TO TREATMENT 895,000

**HARDEE COUNTY SANITARY LANDFILL**

**GROUNDWATER ELEVATIONS**

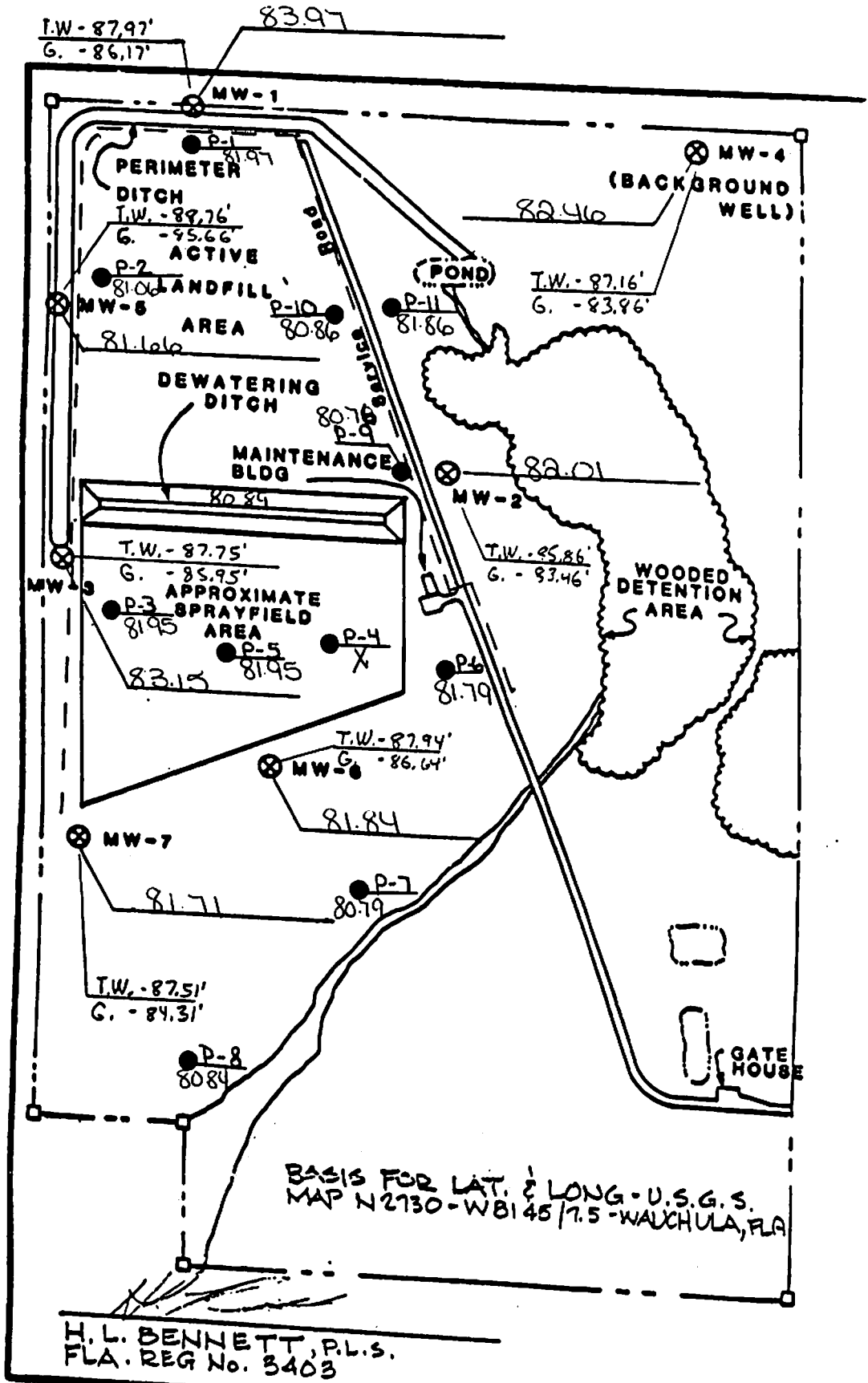
DATE: July 6, 1994

RECORDED BY: J.W.

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	4.00	83.97
MW-2	85.86	83.68	2.18	3.85	82.01
MW-3	87.75	86.07	1.68	4.60	83.15
MW-4	87.16	84.44	2.72	4.70	82.46
MW-5	88.76	85.76	3.00	7.10	81.66
MW-6	87.94	84.68	3.26	6.10	81.84
MW-7	87.51	84.55	2.96	5.80	81.71
P-1	91.27	88.97	2.30	9.30	81.97
P-2	90.66	87.66	3.00	9.60	81.06
P-3	89.05	86.60	2.45	7.10	81.95
P-4	88.24	85.36	2.88	—	—
P-5	89.25	86.42	2.83	7.30	81.95
P-6	85.94	83.44	2.50	4.15	81.79
P-7	84.04	81.84	2.20	3.25	80.79
P-8	84.74	82.67	2.08	3.90	80.84
P-9	87.06	84.81	2.25	6.30	80.76
P-10	88.56	86.40	2.16	7.70	80.86
P-11	87.16	85.08	2.08	5.30	81.86

WATER ELEVATION IN THE DEWATERING DITCH: 80.89

July 6, 1994



H. L. BENNETT, P.L.S.  
FLA. REG No. 3403

MONITOR WELL LOCATION  
REGIONAL SANITARY LANDFILL, HARDEE

**HARDEE COUNTY SANITARY LANDFILL**

**GROUNDWATER ELEVATIONS**

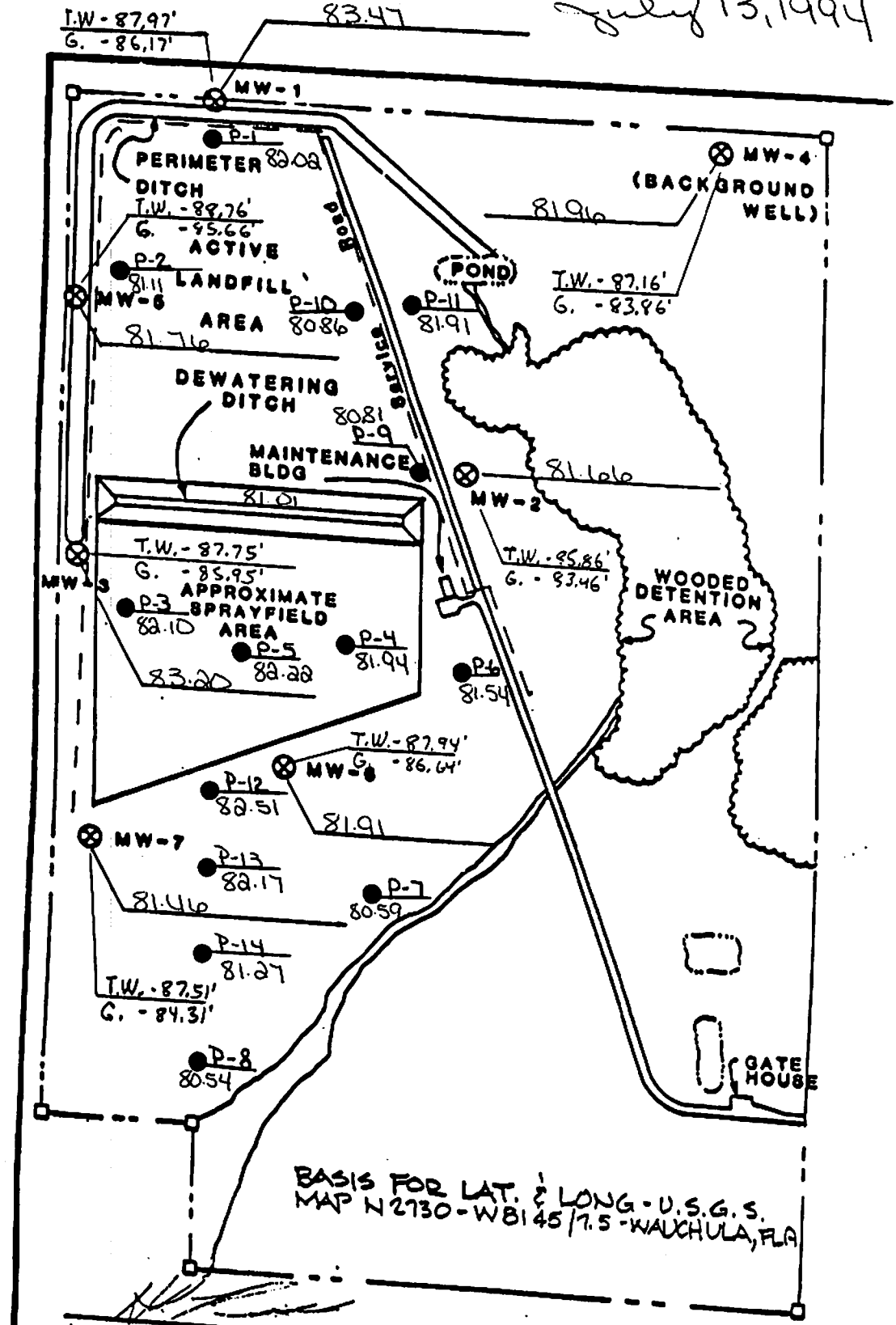
DATE: 7/13/94

RECORDED BY: J.W.

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	4.50	83.47
MW-2	85.86	83.68	2.18	4.20	81.66
MW-3	87.75	86.07	1.68	4.55	83.20
MW-4	87.16	84.44	2.72	5.20	81.96
MW-5	88.76	85.76	3.00	7.00	81.76
MW-6	87.94	84.68	3.26	6.03	81.91
MW-7	87.51	84.55	2.96	6.05	81.46
*****	*****	*****	*****	*****	*****
P-1	91.27	88.97	2.30	9.25	82.02
P-2	90.66	87.66	3.00	9.55	81.11
P-3	89.05	86.60	2.45	6.95	82.10
P-4	88.34			6.40	81.94
P-5	89.25	86.42	2.83	7.03	82.22
P-6	85.94	83.44	2.50	4.40	81.54
P-7	84.04	81.84	2.20	3.45	80.59
P-8	84.74	82.67	2.08	4.20	80.54
P-9	87.06	84.81	2.25	6.25	80.81
P-10	88.56	86.40	2.16	7.70	80.86
P-11	87.16	85.08	2.08	5.25	81.91
P-12	88.71			6.20	82.51
P-13	87.60			5.43	82.17
P-14	86.75			5.48	81.27

WATER ELEVATION IN THE DEWATERING DITCH: 81.01

July 13, 1994



H. L. BENNETT, P.L.S.  
 FLA. REG No. 3403

MONITOR WELL LOCATION  
 REGIONAL SANITARY LANDFILL, HARDEE

**HARDEE COUNTY SANITARY LANDFILL**

**GROUNDWATER ELEVATIONS**

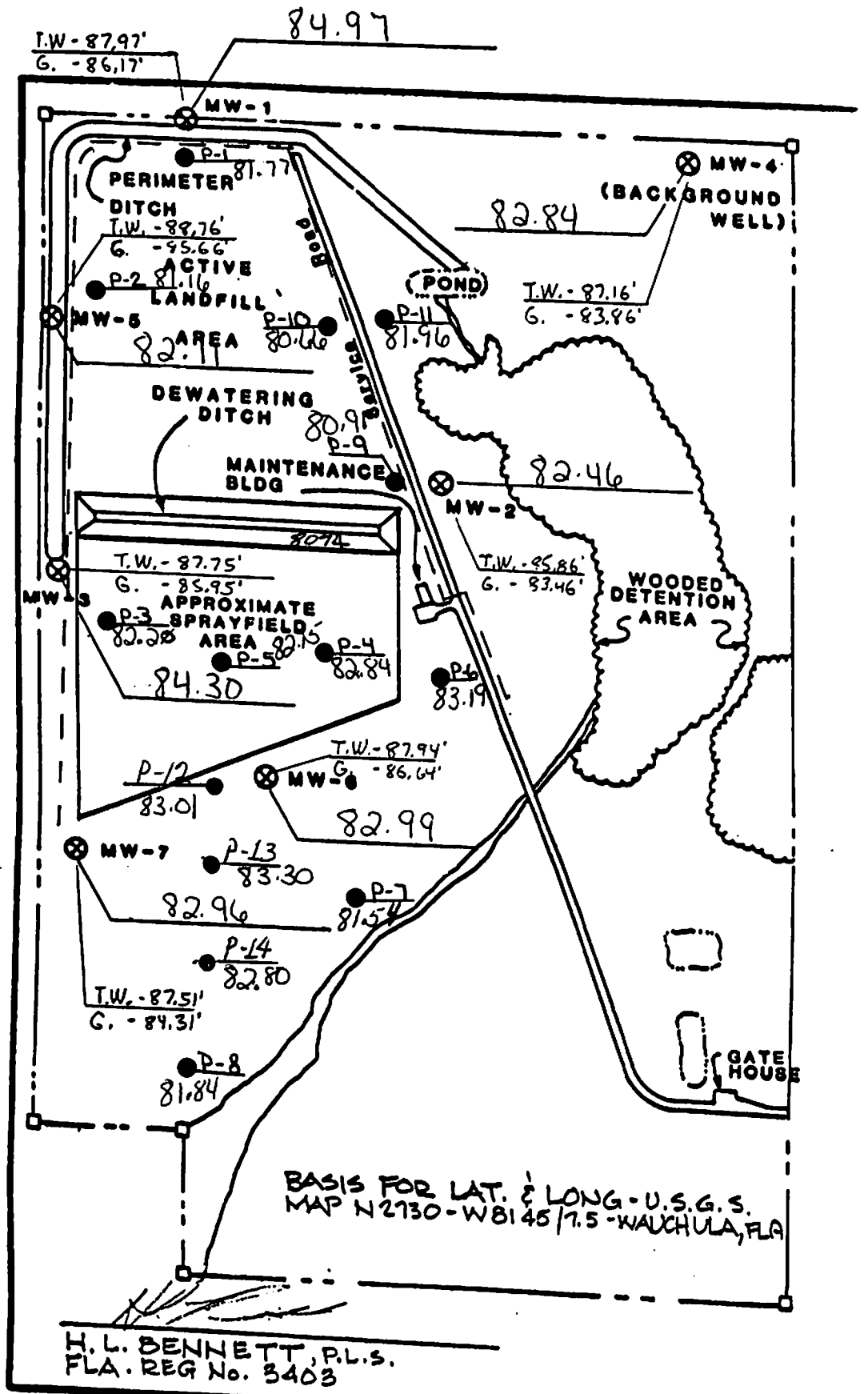
DATE: July 20, 1994

RECORDED BY: Hutto

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	3.00	84.97
MW-2	85.86	83.68	2.18	3.40	82.46
MW-3	87.75	86.07	1.68	3.45	84.30
MW-4	87.16	84.44	2.72	4.32	82.84
MW-5	88.76	85.76	3.00	6.65	82.11
MW-6	87.94	84.68	3.26	4.95	82.99
MW-7	87.51	84.55	2.96	4.55	82.96
*****	*****	*****	*****	*****	*****
P-1	91.27	88.97	2.30	9.50	81.77
P-2	90.66	87.66	3.00	9.50	81.16
P-3	89.05	86.60	2.45	6.85	82.20
P-4	88.34			5.50	82.84
P-5	89.25	86.42	2.83	7.10	82.15
P-6	85.94	83.44	2.50	2.75	83.19
P-7	84.04	81.84	2.20	2.50	81.54
P-8	84.74	82.67	2.08	2.90	81.84
P-9	87.06	84.81	2.25	6.15	80.91
P-10	88.56	86.40	2.16	7.90	80.66
P-11	87.16	85.08	2.08	5.20	81.96
P-12	88.71			5.70	83.01
P-13	87.60			4.30	83.30
P-14	86.75			3.95	82.80

WATER ELEVATION IN THE DEWATERING DITCH: 80.74

July 20, 1977



BASIS FOR LAT. & LONG - U.S.G.S. MAP N 2730 - W 81 45 / 7.5 - WAUCHULA, FLA

H. L. BENNETT, P.L.S. FLA. REG No. 3403

MONITOR WELL LOCATION REGIONAL SANITARY LANDFILL, HARDEE



**HARDEE COUNTY SANITARY LANDFILL**

**GROUNDWATER ELEVATIONS**

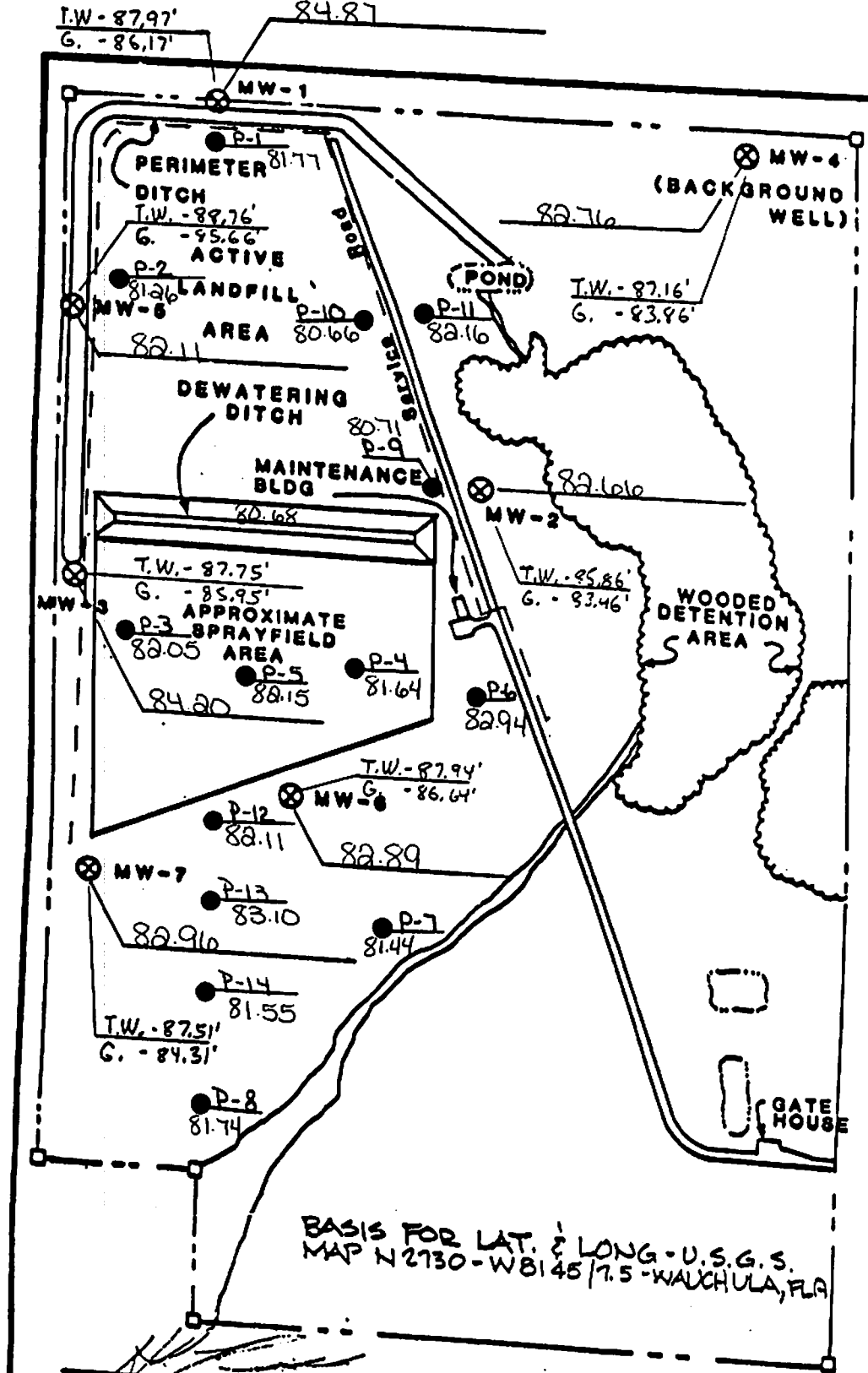
DATE: July 27, 1994

RECORDED BY: [Signature]

LOCATION	ELEVATION TOP OF CASING	ELEVATION AT LAND SURFACE	HEIGHT OF CASING ABOVE L.S.	WATER DEPTH FROM TOP OF CASING	GROUNDWATER ELEVATION
MW-1	87.97	86.24	1.73	3.10	84.87
MW-2	85.86	83.68	2.18	3.20	82.66
MW-3	87.75	86.07	1.68	3.55	84.20
MW-4	87.16	84.44	2.72	4.40	82.76
MW-5	88.76	85.76	3.00	6.65	82.11
MW-6	87.94	84.68	3.26	5.05	82.89
MW-7	87.51	84.55	2.96	4.55	82.96
*****	*****	*****	*****	*****	*****
P-1	91.27	88.97	2.30	9.50	81.77
P-2	90.66	87.66	3.00	9.40	81.26
P-3	89.05	86.60	2.45	7.00	82.05
P-4	88.34			6.70	81.64
P-5	89.25	86.42	2.83	7.10	82.15
P-6	85.94	83.44	2.50	3.00	82.94
P-7	84.04	81.84	2.20	2.60	81.44
P-8	84.74	82.67	2.08	3.00	81.74
P-9	87.06	84.81	2.25	6.35	80.71
P-10	88.56	86.40	2.16	7.90	80.66
P-11	87.16	85.08	2.08	5.00	82.16
P-12	88.71			6.60	82.11
P-13	87.60			4.50	83.10
P-14	86.75			5.20	81.55

WATER ELEVATION IN THE DEWATERING DITCH: 80.68

July 27, 1994



BASIS FOR LAT. & LONG. - U.S.G.S. MAP N 2730 - W 81 45 / 7.5 - WAUCHULA, FLA

H. L. BENNETT, P.L.S.  
FLA. REG No. 3403

MONITOR WELL LOCATION  
REGIONAL SANITARY LANDFILL, HARDEE

SURAN

12-16-44

HANSEE LE

OVER DIRECT  
only  
RAIN  
GALLONS

1944	Rain	Storage	Evap	T.P.
161,513 Jan	3.05	+ 405,499 g	7930 g	42,000 g
68,593 Feb	1.55	- 17,458 g	0 g	474,000 g
137,175 Mar	3.10	+ 37,561 g	0 g	480,000 g
35,400 April	.80	- 279,661 g	11,749 g	627,000 g
84,075 May	1.90	- 233,912 g	9,882 g	550,000 g
500,925 June	18.3	+ 1,028,783 g	0 g	<u>605,000 g</u>

1,287,676

~~180~~  
= 7153 gpd

pond  
only  
2 1/2 in

WATER  
= 4000 gpd

LEACHATE GENERATES  
 940,784 g  
 = 940,784 + 2,775,000  
 = 3,715,784 gallons Jan-June

3,715,784 ÷ 180 = 20,643 gpd

Class D @ 0 =

Inter 2 @ 600 = 1200

Open 10 @ 1500 = 15,000

Pond 1 @ 4000 gpd = 4000 gpd

TOTAL = 20,200 gpd ✓

≈ 20,643 gpd ✓

YOU  
WANT  
TO SUGGEST  
SEE  
12-16-44

PROBLEM: too much open area

SOLUTION: more INTERMEDIATE CASES

RUN OFF AT STORMWATER, NOT TO LEACHATE POND



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.

JUL 01 1994

SOUTH FLORIDA DISTRICT  
TAMPA

July 1, 1994

Allison Amram, Environmental Specialist III  
Department of Environmental Protection  
Waste Management Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

RE: Leachate and Water Reports.

Dear Ms. Amram:

Enclosed you will find the following submissions for your review:

1. Month of June Water Balance Data.
2. Weekly Water Elevations for the month of June.
3. The 2nd Quarterly Water Analysis for 1994.

Please do not hesitate to contact us should you have any questions or comments.

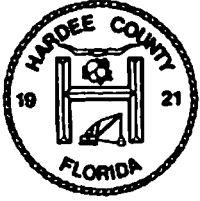
Sincerely,

J.R. Prestridge,  
Solid Waste Superintendent  
Assistant County Manager

jw

CC: Chongman Lee, DEP, Tallahassee  
Steve Dutch, Wade-Trim Engineering





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

June 3, 1994

Department of Environmental Protection  
Solid Waste Section  
Attention: Susan Pelz  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318

RE: Weekly Water Elevations  
Monthly Water Balances

Dear Ms. Pelz:

I am submitting to you the above referenced materials. Should you have any questions or comments please feel free to contact us.

Sincerely,

J.R. Prestridge,  
Solid Waste Superintendent

jw

D.E.P.

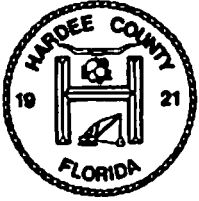
JUN 07 1994

SOUTHWEST DISTRICT  
TAMPA

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	AIR TEMP.	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	GALLONS STORED	METER READING	GALLONS PUMPED	EVAPORATION RATE	GALLONS EVAPORATED	TREATMENT	OTHER
05/01/94	Closed												
05/02/94	92 F	3	60%	0	0	6.70	650,466	-	24,640	2.9%	715	25,000	0
05/03/94	90 F	11	70%	0	0	6.61	631,200	-	0	4.3%	0	25,000	0
05/04/94	90 F	15	68%	0	0	6.57	622,731	-	24,640	5.4%	1,331	25,000	0
05/05/94	84 F	9	68%	0	0	6.48	603,808	-	24,640	3.7%	912	25,000	0
05/06/94	89 F	8	60%	0	0	6.39	585,135	-	24,640	4.3%	1,060	25,000	0
05/07/94	86 F	7	71%	0	0	6.28	562,677	-	24,640	3.0%	739	25,000	0
05/08/94	Closed												
05/09/94	90 F	7	69%	0	0	6.26	558,644	-	24,640	3.5%	862	25,000	0
05/10/94	85 F	8	77%	.10"	4,425	6.16	538,606	-	24,640	3.1%	764	25,000	0
05/11/94	89 F	8	67%	0	0	6.07	520,832	-	24,640	4.0%	986	25,000	0
05/12/94	90 F	5	63%	0	0	5.97	499,459	-	24,640	3.2%	788	25,000	0
05/13/94	92 F	6	64%	0	0	5.88	484,134	-	24,640	3.7%	912	25,000	0
05/14/94	90 F	7	72%	0	0	5.78	465,269	-	24,640	3.3%	813	25,000	0
05/15/94	closed												
05/16/94	92 F	8	60%	.20"	8,850	5.77	463,408	-	0	4.9%	0	25,000	0
05/17/94	92 F	7	70%	0	0	5.70	450,375	-	0	4.6%	0	25,000	0
05/18/94	92 F	3	73%	0	0	5.66	443,051	-	0	2.3%	0	25,000	0
05/19/94	89 F	3	74%	1.10"	48,675	5.74	457,822	-	0	2.0%	0	25,000	0
05/20/94	90 F	5	70%	0	0	5.76	461,546	-	0	2.6%	0	0	0
05/21/94	closed												
05/22/94	closed												
05/23/94	89 F	8	55%	0	0	5.79	467,131	-	0	4.9%	0	25,000	0
05/24/94	88 F	5	56%	0	0	5.72	454,099	-	0	3.2%	0	25,000	0
05/25/94	89 F	8	59%	0	0	5.64	439,388	-	0	4.5%	0	25,000	0
05/26/94	94 F	7	60%	0	0	5.56	443,051	-	0	4.3%	0	0	0
05/27/94	91 F	8	63%	0	0	5.59	430,264	-	0	4.5%	0	25,000	0
05/28/94	90 F	4	71%	0	0	5.52	417,661	-	0	2.5%	0	25,000	0
05/29/94	closed												
05/30/94	Holiday												
05/31/94	90 F	7	74%	.50"	22,125	5.55	423,062	-	0	3.1%	0	25,000	0

TOTAL RAIN FALL IN INCHES: 1.90"  
 TOTAL RAIN FALL IN GALLONS: 84,075  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD: 271,040  
 TOTAL GALLONS EVAPORATED: 9,882  
 TOTAL GALLONS HAULED TO TREATMENT: 550,000



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

May 2, 1994

Department of Environmental Protection  
Attention: Bob Butera, P.E.  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

D.E.P.  
MAY 04 1994  
COUNTY DISTRICT  
TAMPA

RE: Request for Extension  
Monthly Water Balance  
Weekly water elevations

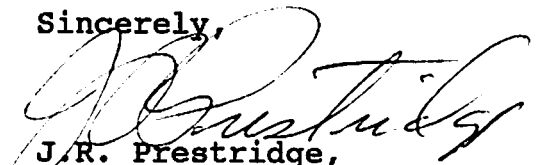
Dear Mr. Butera:

According to our permit, number SO25-214306; site improvements for the landfill must be completed by May 27, 1994. Due to our contractors having difficulty receiving custom orders, we are requesting a thirty (30) day extension.

I have enclosed for your information, the monthly water balance and per week water elevations for the month of April. The underdrains in the spray field have been completed and appear to be operating as planned. The water elevations in the dewatering ditch are slowly dropping. The volume of water hauled to treatment and the spray information is included in the water balance spread sheet.

Thank you for your assistance and should you need any further information, do not hesitate to contact us.

Sincerely,

  
J.R. Prestridge,  
Solid Waste Superintendent

jw

cc: Wade - Trim Engineering  
Steve Dutch, P.E.



**DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL**

DATE	AIR TEMP.	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	GAL. STORED	METER READING	GAL. PUMPED	EVAPORATION RATE	GAL. EVAPORATED	TREATMENT	OTHER
04/01/94	76 F	8	51%	0	0	7.85	919,046	-	0	4.1%	0	24,000	0
04/02/94	80 F	7	55%	0	0	7.87	924,057	-	0	3.9%	0	0	0
04/03/94													
04/04/94	83 F	8	63%	0	0	7.84	916,540	-	0	3.7%	0	25,000	0
04/05/94	86 F	3	58%	0	0	7.79	904,038	-	0	2.6%	0	25,000	0
04/06/94	87 F	8	61%	0	0	7.77	899,082	-	0	4.0%	0	25,000	0
04/07/94	90 F	12	62%	0	0	7.75	894,126	-	0	5.2%	0	25,000	0
04/08/94	89 F	10	53%	0	0	7.59	854,814	-	9,856	5.2%	513	25,000	0
04/09/94	85 F	5	64%	0	0	7.50	833,016	-	24,640	2.8%	690	25,000	0
04/10/94													
04/11/94	87 F	10	73%	0	0	7.42	813,878	-	24,640	3.8%	936	25,000	0
04/12/94	86 F	12	73%	0	0	7.34	794,930	-	24,640	4.1%	1,010	25,000	0
04/13/94	91 F	10	72%	0	0	7.27	778,501	-	0	4.1%	0	25,000	0
04/14/94	-	-	-	0	0	7.32	790,209	-	0	-	0	25,000	0
04/15/94	-	-	-	0	0	7.27	778,681	-	0	-	0	25,000	0
04/16/94	91 F	10	61%	0	0	7.28	780,950	-	0	5.0%	0	25,000	0
04/17/94													
04/18/94	88 F	5	69%	0	0	7.25	774,143	-	24,640	2.7%	665	25,000	0
04/19/94	83 F	0	77%	.20"	8,850	7.29	783,219	-	24,640	1.3%	320	25,000	0
04/20/94	88 F	6	68%	0	0	7.23	769,605	-	24,640	2.9%	715	25,000	0
04/21/94	88 F	5	68%	0	0	7.04	725,627	-	24,640	2.7%	665	25,000	0
04/22/94	85 F	13	76%	.20"	8,850	6.99	714,328	-	24,640	4.4%	1,084	25,000	0
04/23/94	84 F	6	78%	0	0	6.93	700,921	-	24,640	2.5%	616	25,000	0
04/24/94													
04/25/94	85 F	5	83%	.40"	17,700	7.10	739,223	-	24,640	2.1%	517	25,000	0
04/26/94	86 F	6	80%	0	0	6.92	698,686	-	24,640	2.6%	641	25,000	0
04/27/94	88 F	8	72%	0	0	6.96	707,625	-	24,640	3.5%	864	25,000	0
04/28/94	88 F	10	66%	0	0	6.89	692,014	-	24,640	4.0%	986	25,000	0
04/29/94	88 F	7	71%	0	0	6.81	674,388	-	24,640	3.0%	739	25,000	0
04/30/94	85 F	8	75%	0	0	6.73	656,982	-	24,640	3.2%	788	25,000	0

TOTAL RAIN FALL IN INCHES: .80"  
 TOTAL RAIN FALL IN GALLONS: 35,400  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD: 379,456  
 TOTAL GALLONS EVAPORATED: 11,749  
 TOTAL GALLONS HAULED TO TREATMENT: 624,000



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

April 13, 1994

Department of Environmental Protection  
Division of Waste Management  
Attention: Bob Butera  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

D.E.P.

APR 15 1994  
SOUTHWEST DISTRICT  
TAMPA

RE: Leachate Data

Dear Mr. Butera:

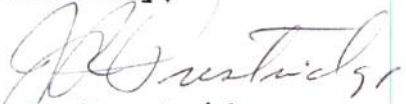
As per your request we are submitting the following information:

- \* Daily Water Balance
- \* Water Elevations from 4/5/94 and 4/13/94
- \* Explanation of calculating Evaporation Rates

We began spraying on the north side of the dewatering ditch on 4/8/94. We have stopped spraying as of today's date due to construction in progress.

Please feel free to contact me should you need any further information.

Sincerely,

  
J.R. Prestridge,  
Solid Waste Superintendent

jw

TO CALCULATE EVAPORATION RATE, WE USE THE FOLLOWING METHOD:

ATTACHMENT A

ATTACHMENT A IS FILLED OUT DAILY BY THE LANDFILL STAFF, THIS CHART SHOWS THE DATE, STAFF GAUGE ELEVATION IN THE DEWATERING DITCH, WEATHER CONDITIONS (WHICH INCLUDE: RAIN FALL, AIR TEMPERATURE, WIND SPEED, AND HUMIDITY), AND SPRAY FIELD INFORMATION.

ATTACHMENT B

THIS CHART, TAKEN FROM THE FROST, PROGRESSIVE AGRICULTURE IN ARIZONA, VOL. 15 (NO. 1); WAS SENT TO ME BY KIM B. FORD OF THE DEP. I USE THE WEATHER CONDITIONS FROM ATTACHMENT A TO CALCULATE THE CHART.

LINE ONE

DRAW A LINE FROM POINT 1 (HUMIDITY) TO POINT 2 (AIR TEMP) THROUGH POINT 3 TO GET THE VAPOR PRESSURE.

LINE TWO

DRAW A LINE FROM POINT 3 (VAPOR PRESSURE) TO POINT 5 (NOZZLE DIAMETER IN 64TH INCHES) TO GET POINT 4 (PIVOT POINT)

LINE THREE

DRAW A LINE FROM POINT 7 (NOZZLE PRESSURE IN POUNDS PER SQUARE INCH) TO POINT 9 (WIND SPEED IN MPH) TO GET POINT 8 (PIVOT POINT)

LINE FOUR

DRAW A LINE FROM POINT 4 (PIVOT) TO POINT 8 (PIVOT) TO GET POINT 6 WHICH IS THE EVAPORATION RATE.

ATTACHMENT C

THE SPRAY TIME DATA SHEET IS FILLED OUT ONLY WHEN WE SPRAY. ACCORDING TO THE NOZZLE SIZE AND PRESSURE OF OUR SPRINKLERS, WE SPRAY 30.8 GALLONS OF LEACHATE PER MINUTE PER SPRINKLER. THEREFORE, THE NUMBER OF MINUTES TIMES THE NUMBER OF SPRINKLERS OPERATING, TIMES 30.8 GALLONS EQUALS THE TOTAL NUMBER OF GALLONS SPRAYED. THE TOTAL NUMBER OF GALLONS SPRAYED TIMES THE EVAPORATION PERCENTAGE EQUALS THE TOTAL NUMBER OF GALLONS EVAPORATED.

HARDEE COUNTY SANITARY LANDFILL  
DAILY WATER LEVEL/LEACHATE RECIRCULATED

DATE: 04/12/94  
TIME: 8:30 A.M.

STAFF GAUGE READING:  
7.34 (78.84)

WEATHER CONDITIONS:  
RAIN FALL: 0

AIR TEMP: 86°

WIND SPEED: 12.0

HUMIDITY: 73%

\*\*\*\*\*  
SPRAY FIELD OPERATED:  
YES  NO

IF YES:  
A.M.  
START TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

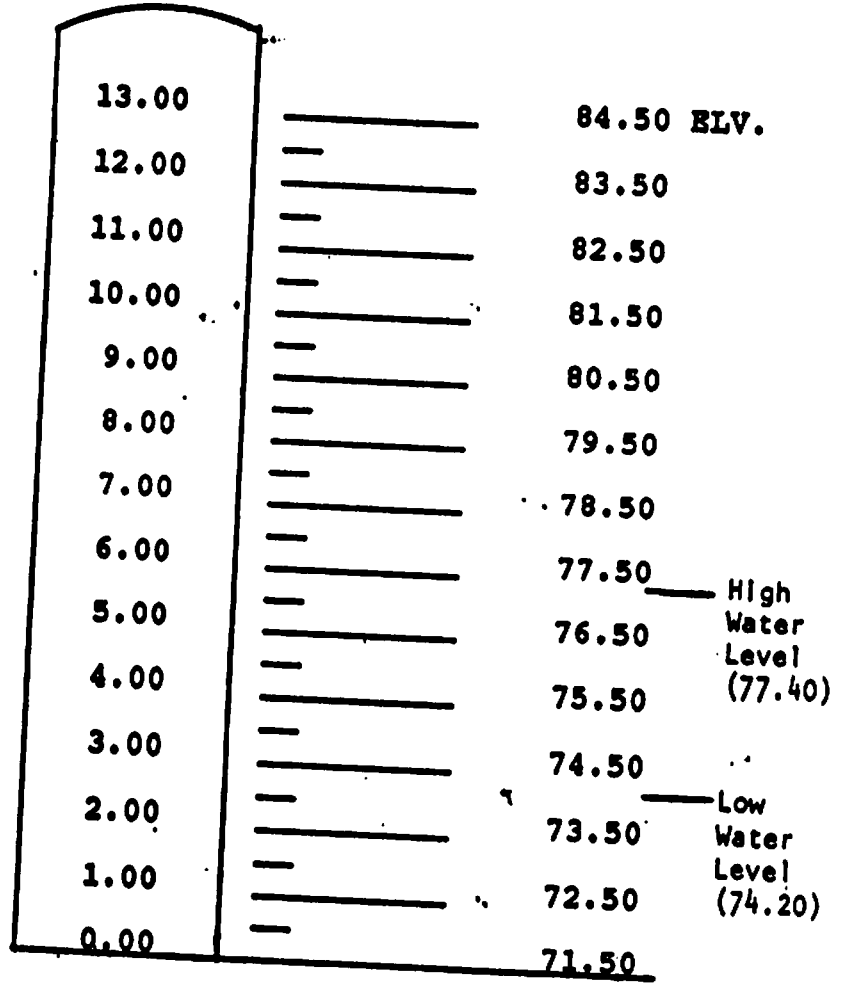
FINISH TIME: \_\_\_\_\_

STAFF GAUGE:  
P.M.  
START TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

FINISH TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

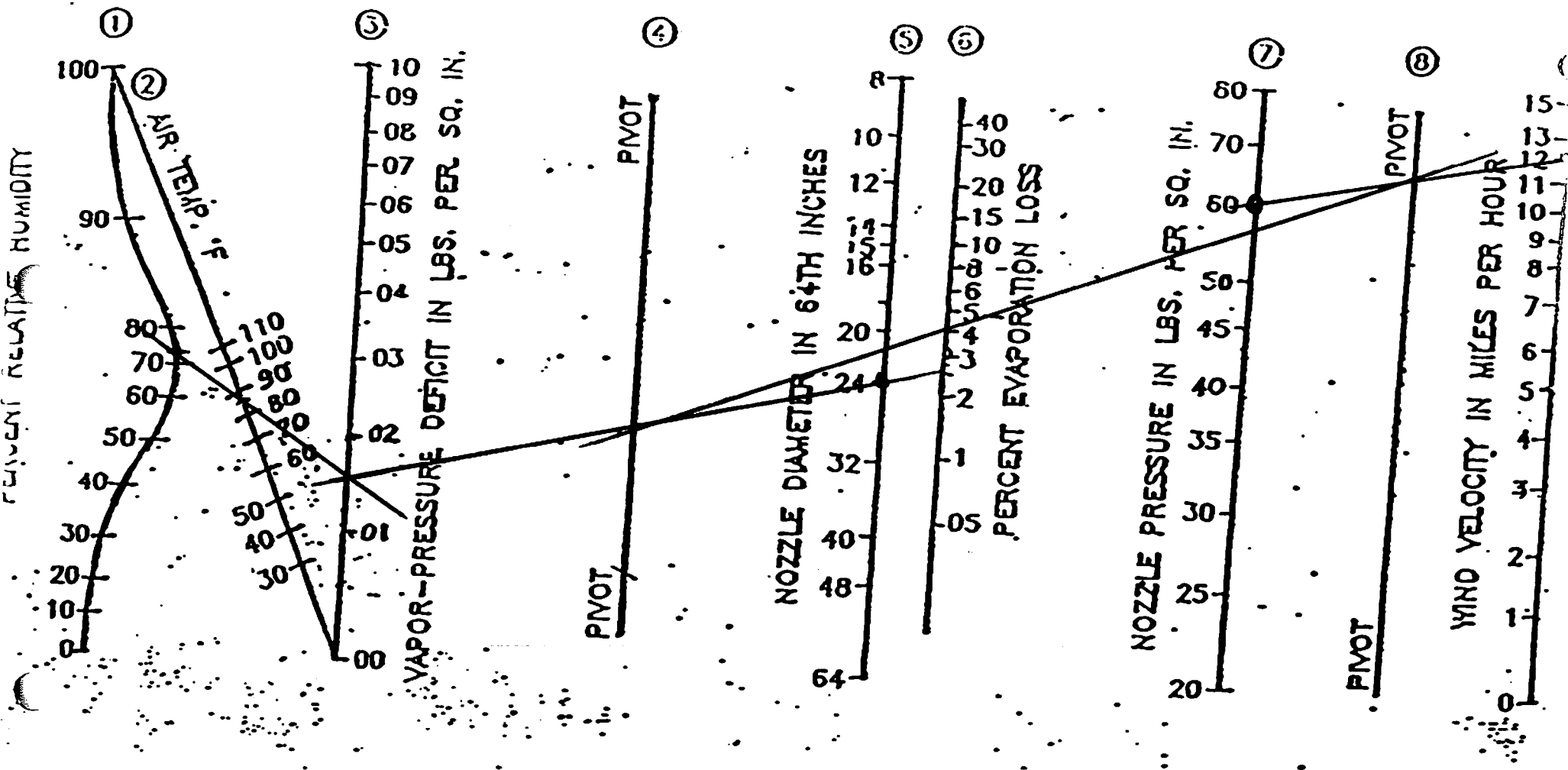


\*\*\*\*\*  
NOTE: Spray field to be operated only on sunny days when spray field is not saturated. Water level to be maintained between low and high water elevation. NO ponding or run off of water on spray field permitted.

COMMENTS: \_\_\_\_\_

RECORDED BY: [Signature]

794,930



DRAWN FROM FROST, PROGRESSIVE AGRICULTURE IN ARIZONA, VOL. 15 (NO. 1), JANUARY - FEBRUARY 1983.

HARDEE COUNTY SANITARY LANDFILL  
SPRAY TIME DATA

ZONE I

DATE: 4/12/94

SPRAY FIELD OPERATOR: Denise Albicton

8 SPRINKLERS

30.8 GALLONS PER MINUTE, PER SPRINKLER

MAXIMUM SPRAY TIME PER DAY = 100 MINUTES

NOTE: SPRAY IN 20 MINUTE INCREMENTS WITH ONE HOUR REST PERIOD  
AFTER EACH APPLICATION.

TIME ON	TIME OFF	GALLONS SPRAYED
8:05 a.m.	8:25 a.m.	4,928
9:45 a.m.	10:05 a.m.	4,928
11:30 a.m.	11:50 a.m.	4,928
1:20 p.m.	1:40 p.m.	4,928
3:20 p.m.	3:40 p.m.	4,928

TOTAL MINUTES RAN: 100

TOTAL GALLONS SPRAYED: 24,640

\*\*\*\*\*

FOR OFFICE USE ONLY:

100 MINUTES X 8 SPRINKLERS X 30.8 GALLONS PER

MIN. = 24,640 GALLONS SPRAYED X 4.1%

EVAPORATION RATE = 1,010 GALLONS EVAPORATED



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

0April 1, 1994

Department of Environmental Protections  
Attention: Bob Butera, P.E.  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, Florida 33619

D.E.P.

APR 05 1994

SOUTHWEST DISTRICT  
TAMPA

RE: Monthly water balances

Dear Mr. Butera:

Enclosed you will find the daily water balance report for the month of March, weekly water elevations and location maps for the month of March, and monthly hauling and treatment cost summaries for leachate, for the months of February and March.

Actual construction of the landfill improvements will begin on April 6, 1994. We are presently constructing a temporary spray field on the north side of the dewatering ditch as per your approval by phone on March 28, 1994.

We will continue to submit any pertinent information to aid in your evaluation process, bi-monthly.

Please feel free to contact us for any information you may need.

Thank you for your cooperation and assistance,

Sincerely,

J.R. Prestridge,  
Solid Waste Superintendent

jw/JRP

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

\* RB

DATE	AIR TEMP	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	GAL. STORED	METER READING	GAL. PUMPED	EVAPORATION RATE	GAL. EVAPORATED	TREATMENT	OTHER
3/01/94	73 F	18	83%	0	0	7.71	884,214	-	0	4.5%	0	24,000	0
3/02/94	78 F	25	73%	2.50"	110,625	8.28	1029360	-	0	5.0%	0	0	0
3/03/94	67 F	25	66%	0	0	8.31	1037239	-	0	5.0%	0	0	0
3/04/94	74 F	15	53%	0	0	8.27	1026743	-	0	5.2%	0	24,000	0
3/05/94	81 F	10	60%	0	0	8.29	1031977	-	0	4.5%	0	0	0
3/06/94													
3/07/94	80 F	5	67%	0	0	8.30	1034594	-	0	2.5%	0	24,000	0
3/08/94	83 F	3	59%	0	0	8.27	1026743	-	0	2.4%	0	24,000	0
3/09/94	85 F	7	83%	0	0	8.24	1018891	-	0	2.5%	0	24,000	0
3/10/94	80 F	12	89%	0	0	8.23	1016274	-	0	3.3%	0	24,000	0
3/11/94	81 F	7	67%	0	0	8.24	1018891	-	0	3.0%	0	24,000	0
3/12/94	85 F	10	60%	0	0	8.22	1013657	-	0	4.4%	0	0	0
3/13/94													
3/14/94	78 F	12	53%	0	0	8.23	1016274	-	0	5.1%	0	24,000	0
3/15/94	81 F	10	61%	0	0	8.17	1000655	-	0	4.1%	0	24,000	0
3/16/94	80 F	10	60%	0	0	8.13	990,597	-	0	4.4%	0	24,000	0
3/17/94	80 F	9	54%	0	0	8.13	990,597	-	0	4.1%	0	48,000	0
3/18/94	84 F	7	47%	0	0	7.96	946,778	-	0	4.2%	0	24,000	0
3/19/94	86 F	5	71%	0	0	8.05	969,721	-	0	2.5%	0	0	0
3/20/94													
3/21/94	86 F	11	72%	0	0	8.00	956,913	-	0	4.0%	0	24,000	0
3/22/94	86 F	10	72%	0	0	7.98	951,845	-	0	3.9%	0	24,000	0
3/23/94	80 F	5	73%	0	0	7.93	939,176	-	0	2.4%	0	24,000	0
3/24/94	82 F	4	71%	0	0	7.87	924,057	-	0	2.3%	0	24,000	0
3/25/94	88 F	14	73%	0	0	7.91	934,109	-	0	4.9%	0	0	0
3/26/94	87 F	5	75%	0	0	7.95	944,244	-	0	2.5%	0	0	0
3/27/94													
2/28/94	86 F	8	78%	0	0	7.94	941,710	-	0	3.2%	0	24,000	0
3/29/94	80 F	11	78%	.60	26,550	8.01	959,475	-	0	3.55	0	0	0
3/30/94	75 F	10	71%	0	0	7.95	944,244	-	0	3.2%	0	24,000	0
3/31/94	77 F	7	67%	0	0	7.92	936,643	-	0	3.0%	0	24,000	0

SUMMARY

Total Rain Fall in Inches: 3.10"  
 Total Rain Fall in Gallons: 137,175  
 Total Gallons Pumped through Spray Field: 0  
 Total Gallons Evaporated: 0  
 Total Gallons Hauled to Treatment: 480,000

OVER DITCH ONLY PER J.R. - 4-5-94.  
 RB

TOTAL VOLUME & STAFF GAUGE REMAINS  
 REDUCTION - HAULED VOLUMES TO WWTP/RESERVOIR VOLUME

APR 05 1994

NEEDS A CROSS-SECTION OF DITCH VOLUME CALIBRATION CHART.

(\* ONLY READING WIND SPEED & HUMIDITY AND USING NOMO GRAPH TO DETERMINE EST. EVAP. RATE. I TOLD J.R. TO DETERMINE RATE ONCE HE STARTS TO CIRCULATE BY USING VOLUME, RECIRCULATED, NOZZLE DIA, WIND SPEED, HUMIDITY AND TEMPERATURE TOGETHER W/ PUMP PRESSURE.



February

HARDEE COUNTY SANITARY LANDFILL

SUMMARY  
HAULING AND TREATMENT OF LEACHATE

HAULED BY: J & J BAKER ENTERPRISES, INC.  
P.O. BOX 1843  
PUNTA GORDA, FL 33951

TREATMENT BY: SHORT UTILITY SERVICE INC.  
P.O. BOX 1088  
SEBRING, FL 33871

D.E.P.

APR 05 1994

SOUTHWEST DISTRICT  
TAMPA

<u>DATE</u>	<u>AMOUNT IN GALLONS</u>
1/28/94	12,000
1/31/94	24,000
2/01/94	24,000
2/02/94	24,000
2/03/94	24,000
2/04/94	6,000
2/05/94	24,000
2/07/94	12,000
2/08/94	24,000
2/09/94	24,000
2/10/94	24,000
2/11/94	24,000
2/14/94	24,000
2/15/94	24,000
2/16/94	24,000
2/17/94	24,000
2/18/94	24,000
2/21/94	24,000
2/22/94	24,000
2/23/94	24,000
2/24/94	24,000
2/25/94	24,000
2/28/94	24,000

TOTAL TO DATE: 510,000 GALLONS

\*\*\*\*\*

HAULING COST TO DATE:

486,000 GALLONS X \$24.75 PER 1,000 GALLONS =	\$12,028.50
<u>24,000 GALLONS X 21.88 PER 1,000 GALLONS =</u>	<u>525.12</u>
TOTAL	\$12,553.62

TREATMENT COST TO DATE:

510,000 GALLONS X \$.035 PER GALLON =	\$17,850.00
---------------------------------------	-------------

\*\*\*\*\*

**TOTAL COST OF TREATMENT AND HAULING FOR THE MONTH OF FEBRUARY =**  
**\$30,472.50**

March

HARDEE COUNTY SANITARY LANDFILL  
SUMMARY  
HAULING AND TREATMENT OF LEACHATE

HAULED BY: J & J BAKER ENTERPRISES, INC.

TREATMENT BY: SHORT UTILITY SERVICES, INC.

<u>DATE</u>	<u>AMOUNT IN GALLONS</u>
3/01/94	24,000
3/04/94	24,000
3/07/94	24,000
3/08/94	24,000
3/09/94	24,000
3/10/94	24,000
3/11/94	24,000
3/14/94	24,000
3/15/94	24,000
3/16/94	24,000

TOTAL 240,000

\*\*\*\*\*

HAULING COST TO DATE:  
240,000 GALLONS X \$21.88 PER 1,000 = \$5,251.20

TREATMENT COST TO DATE:  
240,000 GALLONS X \$.025 PER GALLON = \$6,000.00

\*\*\*\*\*

HAULED BY: J & J BAKER ENTERPRISES, INC.

TREATMENT BY: CITY OF WAUCHULA

<u>DATE</u>	<u>AMOUNT IN GALLONS</u>
3/17/94	48,000
3/18/94	24,000
3/21/94	24,000
3/22/94	24,000
3/23/94	24,000
3/24/94	24,000
3/28/94	24,000
3/30/94	24,000
3/31/94	24,000

TOTAL 240,000

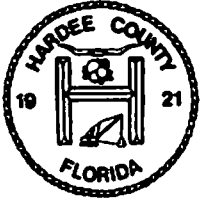
\*\*\*\*\*

HAULING COST TO DATE:  
72,000 GALLONS X \$14.60 PER 1,000 = \$3504.00

TREATMENT COST TO DATE:  
CONSULTING ENGINEERING SERVICE \$2,500.00  
MINIMUM RATE / FIRST 5,000 GALLONS = 139.92  
235,000 GALLONS X \$2.75 PER 1,000 = 646.25  
25% SURCHARGE 161.56

TOTAL \$3,447.73

TOTAL COST OF TREATMENT AND HAULING FOR THE MONTH OF MARCH =  
\$18,202.93



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.

March 3, 1994

MAR 07 1994  
SOUTHWEST DISTRICT  
TAMPA

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, Florida 33619

RE: Monthly Water Balance/Weekly Groundwater Elevations

Dear Mr. Ford:

We are submitting for your review, the Monthly Water Balances and the Weekly Groundwater Elevations for the month of February.

Landfill improvements will begin this week (tentatively on March 4, 1994). We are starting with the underdrain work in the spray field, proceeded by the installation of the pump systems and sprinklers.

Also, enclosed is a copy of the leachate analysis results which were requested by the City of Wauchula. The sample was taken by Envirolab on February 9, 1994. We expect that the City of Wauchula will submit a draft contract before March 10, 1994. You will also find a summary for the cost incurred by the County for leachate hauling and treatment for the month of February.

Sincerely,

J.R. Prestridge,  
Solid Waste Superintendent

JRP/jw



HARDEE COUNTY SANITARY LANDFILL

SUMMARY  
HAULING AND TREATMENT OF LEACHATE

HAULED BY: J & J BAKER ENTERPRISES, INC.  
P.O. BOX 1843  
PUNTA GORDA, FL 33951

TREATMENT BY: SHORT UTILITY SERVICE INC.  
P.O. BOX 1088  
SEBRING, FL 33871

<u>DATE</u>	<u>AMOUNT IN GALLONS</u>
1/28/94	12,000
1/31/94	24,000
2/01/94	24,000
2/02/94	24,000
2/03/94	24,000
2/04/94	6,000
2/05/94	24,000
2/07/94	12,000
2/08/94	24,000
2/09/94	24,000
2/10/94	24,000
2/11/94	24,000
2/14/94	24,000
2/15/94	24,000
2/16/94	24,000
2/17/94	24,000
2/18/94	24,000
2/21/94	24,000
2/22/94	24,000
2/23/94	24,000
2/24/94	24,000
2/25/94	24,000
2/28/94	24,000

TOTAL TO DATE: 510,000 GALLONS

\*\*\*\*\*  
HAULING COST TO DATE:

510,000 GALLONS X \$24.75 PER 1,000 GALLONS = \$12,622.50

TREATMENT COST TO DATE:

510,000 GALLONS X \$.035 PER GALLON = \$17,850.00

\*\*\*\*\*  
TOTAL COST TO DATE \$30,472.50



Lawton Chiles  
Governor

# Florida Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619  
813-744-6100

Virginia B. Wetherell  
Secretary

March 2, 1994

Mr. J. R. Prestridge  
Hardee County  
Post Office Box 246  
Wauchula, FL 33873

Re: Hardee County Landfill  
Permit No. S025-214306  
Leachate Quantity Reports

Dear Mr. Prestridge:

FAC Rule 17-701.500(8)(g) requires that "precipitation records shall be maintained and used by the permittee to compare with leachate generation rates". Leachate/water balance data should be kept on a spreadsheet format and provided monthly to this office. Please verify the number of open, intermediate, and closed acres. Please provide daily records from January 1, 1994 for the following:

- \* Quantities of leachate collected
- \* Quantities of leachate stored or impounded
- \* Quantities of leachate recirculated
- \* Quantities of leachate hauled or piped to a WWTP

This information will be evaluated by the Department. Design or operational changes may be needed to prevent unauthorized discharges or excessive head over lined disposal areas. If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,

Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab

cc: Janice Williamson, Hardee County  
Robert Butera, P.E., FDEP Tampa  
Steve Morgan, FDEP Tampa  
Kathy Anderson, FDEP Tallahassee



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

D.E.P.  
FEB 10 1994  
SOUTHWEST DISTRICT  
TAMPA

February 7, 1994

Department of Environmental Protections  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, FL 33619

RE: Explanation on change of gallons stored.

Dear Mr. Ford:

Enclosed you will find the monthly water balances for January, 1994, please note that changes have been made to the gallons stored. We have also enclosed water level readings taken from the piezometers and the monitoring wells.

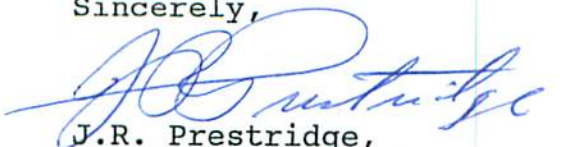
The data that was previously submitted in January on the gallons of water stored in the dewatering ditch is incorrect. The record drawings submitted by Briley Wild and Associates, indicates that the staff gauge was set in the dewatering ditch at a 72.00 elevation; reading 0.00 on the staff gauge. We suspected a problem when the elevation from a piezometer reading next to the ditch was higher than the water elevation in the dewatering ditch.

On January 4, 1994, I called Aim Engineering to survey the gauge for accuracy. The results were that the gauge was off by a half of a foot.

This will be confirmed by Aim Engineering as soon as he completes his paper work on the job. Water level elevations in the ditch on 2/4/94, which were confirmed by a registered, licensed, surveyor, was 79.23 elevation. This accounts for our corrections in the gallons stored.

If you have any questions, please contact us.

Sincerely,

  
J.R. Prestridge,  
Solid Waste Superintendent

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	AIR TEMP	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	GAL. STORED	METER READING	GAL. PUMPED	EVAPORATION RATE	GAL. EVAPORATED	TREATMENT	OTHER
1/01/94	Closed - New Years Holiday												
1/02/94	closed												
1/03/94	70 F	10	90%	1.5"	66,375	5.80	468,993	-	64,680	2.5%	1,617	0	0
1/04/94	69 F	15	65%	0	0	5.85	478,456	-	55,440	4.2%	2,238	0	0
1/05/94	62 F	6	59%	0	0	5.80	468,993	-	64,680	2.5%	1,617	0	0
1/06/94	70 F	12	65%	0	0	5.80	468,993	-	64,680	3.8%	2,458	0	0
1/07/94	76 F	6	74%	0	0	5.75	459,684	-	0	2.4%	0	0	0
1/08/94	70 F	10	93%	0	0	5.95	497,536	-	0	3.7%	0	0	0
1/09/94	closed												
1/10/94	71 F	15	65%	0	0	6.00	507,153	-	0	3.1%	0	0	0
1/11/94	80 F	14	71%	0	0	6.17	540,591	-	0	4.4%	0	0	0
1/12/94	82 F	7	85%	0	0	6.42	591,339	-	0	2.5%	0	0	0
1/13/94	75 F	18	90%	.60"	26,550	6.52	612,184	-	0	3.5%	0	0	0
1/14/94	75 F	12	80%	0	0	6.68	646,185	-	0	3.2%	0	0	0
1/15/94	81 F	9	73%	0	0	6.81	674,388	-	0	3.2%	0	0	0
1/16/94	closed												
1/17/94	85 F	8	75%	0	0	6.95	705,390	-	0	4.8%	0	0	0
1/18/94	64 F	4	85%	.80"	35,400	7.08	734,691	-	0	1.8%	0	0	0
1/19/94	63 F	10	73%	0	0	7.17	755,306	-	0	2.9%	0	0	0
1/20/94	65 F	5	73%	0	0	7.23	769,185	-	0	2.1%	0	0	0
1/21/94	68 F	4	76%	0	0	7.33	792,582	-	0	1.9%	0	0	0
1/22/94	76 F	7	62%	0	0	7.38	804,405	-	0	3.1%	0	0	0
1/23/94	closed												
1/24/94	80 F	5	65%	0	0	7.50	833,016	-	0	2.5%	0	0	0
1/25/94	82 F	5	65%	0	0	7.50	833,016	-	0	2.6%	0	0	0
1/26/94	80 F	5	60%	0	0	7.61	835,438	-	0	2.8%	0	0	0
1/27/94	84 F	7	60%	0	0	7.64	866,924	-	0	2.3%	0	0	0
1/28/94	84 F	10	60%	0	0	7.72	886,692	-	0	2.6%	0	18,000	0
1/29/94	86 F	12	78%	.25"	11,063	7.76	896,604	-	0	3.2%	0	0	0
1/30/94	closed												
1/31/94	74 F	9	71%	.50"	22,126	7.84	916,540	-	0	2.9%	0	24,000	0

TOTAL RAIN FALL IN INCHES: 3.65"  
 TOTAL RAIN FALL IN GALLONS: 161,513  
 TOTAL GALLONS PUMPED THROUGH SPRAY FIELD: 249,480  
 TOTAL GALLONS EVAPORATED: 7,930  
 TOTAL GALLONS HAULED TO TREATMENT PLANT: 42,000



# Florida Department of Environmental Protection



Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619  
813-744-6100

Virginia B. Wetherell  
Secretary

**UNPAID MAIL  
RETURN RECEIPT REQUESTED**

January 27, 1994

Mr. J. R. Prestridge  
Hardee County  
Department of Solid Waste  
Post Office Box 246  
Wauchula, FL 33873

Re: Daily Water Balance and Emergency Spraying  
Hardee County Landfill  
Permit #SO25-214306

Dear Mr. Prestridge:

Based on a review of the groundwater elevations received by fax from your office on January 21 and 24, 1994, an outward gradient exists across the sprayfield. Records provided show continued spraying of up to 64,680 gallons of leachate daily until January 6, 1994. The current mounding and outward gradient appear to be the result of that spraying and excessive leachate impounded in the dewatering ditch. Although the mound is residing, continued use of the sprayfield for high volume leachate disposal is not prudent. Since the dewatering ditch is full, there is little hope of obtaining an inward gradient. The Department strongly suggests immediate leachate removal to an off-site WWTP to avoid unauthorized discharge of leachate from the landfill.

An inward gradient must exist for the Department to consider approval of the sprayfield for emergency use. On January 24, 1994, I spoke with Ms. Janice Williamson of your staff and explained the requirements for approval as follows:

1. Groundwater elevations are required weekly from all wells and piezometers.
2. All information specified as part of specific condition #17 is required daily, and submitted weekly.
3. Groundwater mounding with an outward gradient is not allowed.
4. The proposed request for emergency spraying shall be submitted with the \$500 processing fee, and the request shall be signed and sealed by a professional engineer.

Mr. J. R. Prestridge  
Hardee County  
Department of Solid Waste

January 27, 1994  
Page Two

In conclusion, records for spraying for June 30 - December 1, 1993 as requested in DEP's January 7, 1994 have not been provided. An outward gradient exists between the dewatering ditch and creek. The leachate in the dewatering ditch for the landfill appears to be within one foot of the groundwater elevation outside the western perimeter of the landfill. Excessive leachate impounded in the dewatering ditch may soon cause an outward gradient along the western perimeter. Please submit by February 20, 1994, updated data through February 15, 1994 to verify that an outward gradient does not exist along the western perimeter of the landfill, and provide a plan and schedule for corrective measures for the sprayfield. Continued unauthorized discharge of leachate by means of an outward gradient shall subject Hardee County to enforcement action.

If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab

cc: Hardee County Board of County Commissioners  
Janice Williamson, Hardee County  
William Kutash, FDEP Tampa  
Bob Butera, P.E., FDEP Tampa  
Steve Morgan, FDEP Tampa  
Allison Amram, P.G., FDEP Tampa

PS Form 3811, December 1991 \* U.S.G.P.O.: 1992-307-530

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete Items 1 and/or 2 for additional services.
- Complete Items 3, and 4a & b.
- Print your name and address on the reverse of this form so it return this card to you.
- Attach this form to the front of the mailpiece, or on the back does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

2.  Restricted Delivery  
Consult postmaster for fee.

3. Article Addressed to:

J. R. Prestridge  
Hardee County  
Dept of Solid Waste  
P.O. Box 246  
Wauchula, FL 33873

4a. Article Number  
P 827 903 196

4b. Service Type  
 Registered  Insured  
 Certified  
 Express Mail  Return Receipt for Merchandise

7. Date of Delivery  
JAN 27 1994  
33873  
SPS

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 \* U.S.G.P.O.: 1992-307-530

Thank you for using Return Receipt Service

**DOMESTIC RETURN RECEIPT**



Lawton Chiles  
Governor

# Florida Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619  
813-744-6100

Virginia B. Wetherell  
Secretary

January 7, 1994

Mr. J.R. Prestridge  
Hardee County  
Department of Solid Waste  
Post Office Box 246  
Wauchula, FL 33873

**Re: Daily Water Balance  
Hardee County Landfill  
Permit #8025-214306**

Dear Mr. Prestridge:

On January 6, 1993, DEP received Hardee County's December 1993 Daily Water Balance Data. The summary provided indicates the continued spraying of leachate with the existing sprayfield. Hardee County was notified by DEP's June 11, 1993 letter, item #5., that the existing "leachate spray irrigated discharges to the creek south of the sprayfield. This is an unauthorized discharge in violation of Department rules and must be corrected".

On January 7, 1993, I spoke with Ms. Janice Williamson of your staff and explained these circumstances. Ms. Williamson said she would review DEP's June 11th letter and send the daily water balance data from June 30, 1993 to December 1, 1993 that has not been provided.

Hardee County is not authorized to use the existing sprayfield. The County may propose temporary spray evaporation or hauling to an off-site WWTP until DEP authorizes use of the new spray evaporation system after its construction. Please submit by January 20, 1993 updated data through January 15, 1993 to show that spraying has been discontinued. Continued spraying with the existing system shall submit Hardee County to enforcement action.

If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,

Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management

KBF/ab

cc: Janice Williamson, Hardee County  
William Kutash, FDEP Tampa  
Bob Butera, P.E., FDEP Tampa  
Steve Morgan, FDEP Tampa



**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

**RECEIVED**  
JAN 06 1994  
Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

January 5, 1993

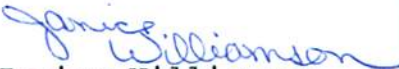
Department of Environmental Protection  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, Fl 33619-8318

RE: Daily Water Balances for Hardee County Sanitary Landfill

Dear Mr. Ford:

We are submitting our first Water Balance Report for the month of December, 1993. We believe that it meets all the requirements, however; should you have any questions or comments please do not hesitate to contact us.

Sincerely,

  
Janice Williamson,  
Executive Secretary  
Recycling Coordinator

jw/Enclosure

DAILY WATER BALANCE FOR HARDEE COUNTY SANITARY LANDFILL

DATE	AIR TEMP	WIND SPEED M.P.H	HUMIDITY	RAIN FALL INCHES	RAIN FALL GAL.	STAFF GAUGE	GAL. STORED	METER READING	GAL. PUMPED	EVAPORATION RATE	GAL. EVAPORATED	TREATMENT	OTHER
12/01/93	75 F	-	-	0	0	6.44	703,155	-	57,750	2%	1,155	0	0
12/02/93	-	-	-	0	0	6.40	694,217	-	55,440	2%	1,108	0	0
12/03/93	-	-	-	0	0	6.38	689,811	-	55,440	2%	1,108	0	0
12/04/93	88 F	-	-	0	0	6.38	689,811	-	55,440	2%	1,108	0	0
12/05/93	closed												
12/06/93	85 F	5	50%	0	0	6.41	696,452	-	64,680	3.7%	2,393	0	0
12/07/93	80 F	5	40%	0	0	6.40	694,217	-	73,920	6.7%	4,952	0	0
12/08/93	83 F	7	53%	0	0	6.28	667,841	-	46,200	4.1%	1,894	0	0
12/09/93	82 F	7	54%	0	0	6.23	656,981	-	64,680	4.0%	2,587	0	0
12/10/93	81 F	10	57%	0	0	6.10	629,059	-	46,200	4.7%	2,171	0	0
12/11/93	80 F	15	61%	.10"	4,425	6.02	612,184	-	55,440	5.3%	2,938	0	0
12/12/93	closed												
12/13/93	70 F	8	50%	0	0	6.10	629,059	-	64,680	3.9%	2,522	0	0
12/14/93	72 F	10	80%	0	0	6.00	607,965	-	50,820	3.5%	1,778	0	0
12/15/93	71 F	14	55%	0	0	5.90	587,182	-	55,440	5.0%	2,772	0	0
12/16/93	68 F	14	52%	0	0	5.71	548,563	-	46,200	4.9%	2,263	0	0
12/17/93													
12/18/93													
12/19/93	closed												
12/20/93	78 F	8	55%	0	0	5.70	546,547	-	64,680	4.0%	2,587	0	0
12/21/93	80 F	10	50%	0	0	5.64	534,636	-	55,440	5.1%	2,827	0	0
12/22/93													
12/23/93													
12/24/93	closed												
12/25/93	closed - Christmas Holiday												
12/26/93	closed												
12/27/93	72 F	5	45%	.50"	22,125	5.74	554,612	-	55,440	3.2%	1,774	0	0
12/28/93	80 F	5	46%	0	0	5.67	540,591	-	64,680	3.4%	2,199	0	0
12/29/93	82 F	8	56%	0	0	5.60	526,695	-	64,680	4.3%	2,781	0	0
12/30/93	73 F	8	51%	0	0	5.52	511,061	-	72,380	3.9%	2,822	0	0
12/31/93	closed - New Years Holiday												

TOTAL RAIN FALL IN INCHES = .60"  
 TOTAL RAIN FALL IN GALLONS = 26,550  
 TOTAL GALLONS PUMPED THROUGH THE SPRAY FIELD = 1,167,630  
 TOTAL GALLONS EVAPORATED = 45,659



# Florida Department of Environmental Protection

Southwest District

3804 Coconut Palm Dr.

Tampa, Florida 33619

Lawton Chiles, Governor

813-744-6100

Virginia Wetherell, Secretary

## FAX TRANSMITTAL SHEET

11/3/93

Date

**FAXED**  
10:45  
Fm

TO:

JANICE

DEPT.:

HANDGE LO - (813) 7735089

FAX #:

(813) 7730958

FROM:

Kim

DEPT.: D.E.P., Tampa Office

PHONE: 813-744-6100 or SunCom 542-6100

Ext. 382

FAX(local) 744-6125 or (SunCom) 542-6125

SUBJECT:

SPREADSHEET - MONTHLY SUMMARY

COMMENT:

Susan is AT EXT 386

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE: 2

RECEIVED BY: \_\_\_\_\_

PHONE: \_\_\_\_\_

For Routing Other Than Addressee

To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

State of Florida  
Department of Environmental Regulation

# Interoffice Memorandum

TO: William Kutash, Prog. Adm.  
 THRU: Robert Butera, P.E.  
 FROM: Kim Ford, P.E. *Kim Ford 5/27/93*  
 DATE: May 27, 1993  
 SUBJECT: Leachate Evaporation  
 FAC Rule 17-701.400(5), FAC Rule 17-701.400(6), and  
 FAC Rule 17-701.500(8), Recommended Revisions:

(5) Leachate recirculation and evaporation. Leachate recirculation and evaporation systems shall only be used at solid waste disposal units that have been designed for leachate recirculation and evaporation and meet the following requirements:

(a) The landfill shall be lined and have a leachate collection and removal system.

(b) Ditches, berms, or other devices shall be installed to control any leachate runoff. Initial and intermediate cover receiving ~~recirculated~~ leachate shall be graded to shed runoff into the leachate collection system and to minimize mixing of leachate runoff and storm water.

(c) Initial and intermediate cover shall be permeable to the extent necessary to prevent perched water conditions and gas buildup.

(d) Leachate shall not be dispersed ~~recirculated~~ during weather conditions or in quantities that may cause runoff outside the solid waste disposal unit, surface seeps, wind-blown spray, or exceedance of the limits of the leachate head on the liner. Ponding is prohibited unless it is an integral part of the design plan.

(e) A gas management system shall be implemented to control odors and migration of methane.

(f) Recirculation of leachate is prohibited on top of areas where final cover has been applied. Irrigation of the final vegetative cover ~~may be done with treated~~ is allowed provided the leachate which meets the water quality standards of the receiving water body, and if such irrigation does not cause runoff and does not contribute significantly to leachate generation.

Memo to William Kutash

SUBJECT: Leachate Evaporation

FAC Rule 17-701.400(5), FAC Rule 17-701.400(6), and  
FAC Rule 17-701.500(8), Revised as follows:

May 27, 1993

Page Two

(6) Leachate storage tanks and leachate surface impoundments.

(a) The requirements of this subsection apply to all leachate storage tanks and leachate surface impoundments constructed after January 6, 1993. Leachate storage tanks in use on January 6, 1993 are not required to retrofit to comply with this subsection unless leakage, corrosion or other defects are found. Leachate storage impoundments in use on January 6, 1993 shall be replaced or modified to conform to this subsection by January 6, 1995.

(b) Surface impoundments for leachate treatment, evaporation, or storage that are located at landfills are subject to the following requirements:

(8) Leachate management.

(a) The landfill operator is responsible for leachate level monitoring, sampling, analysis of the landfill leachate, and for providing copies of the leachate analysis to the Department.

(b) The landfill operator is responsible for the operation of the leachate collection and removal system and for maintaining the system as designed for the design period. Leachate shall be collected and treated as necessary to meet surface and ground water quality standards of Chapter 17-3 and 17-302, F.A.C. prior to discharge to surface or ground water. If the leachate is classified as a hazardous waste, it shall be managed in accordance with Rule 17-730, F.A.C.

(c) Leachate may be discharged to an off-site treatment plant. The landfill operator is responsible for having a written contract or agreement with the off-site treatment plant to discharge leachate to the plant.

(d) On-site leachate treatment or-pretreatment and irrigation systems are-part-of-the-leachate-collection-and-removal-system-and shall be designed according to the expected characteristics of the leachate. The design may include adjustments to the system as necessary to accommodate changing leachate characteristics.

(e) The landfill operator shall have a prepared contingency plan to handle leachate collection, removal, and treatment problems such as interruptions of discharges to a treatment plant. Contingency measures may include leachate recirculation, evaporation, irrigation, extended storage or other methods approved by the Department.



Memo to William Kutash

SUBJECT: Leachate Evaporation

FAC Rule 17-701.400(5), FAC Rule 17-701.400(6), and  
FAC Rule 17-701.500(8), Revised as follows:

May 27, 1993

Page Three

(f) Quantities of leachate collected by the leachate collection and removal system shall be recorded in gallons per day before on-site storage, treatment or transport off-site. Quantities of leachate dispersed for recirculation, evaporation, irrigation, and treated or transported for treatment shall be recorded in gallons per day.

(g) A recording rain gauge shall be installed, operated, and maintained to record precipitation at the landfill. Precipitation records shall be maintained and used by the permittee to compare with leachate generation rates. Temperature, relative humidity, and wind velocity shall be recorded daily to determine the effectiveness of recirculation, evaporation, and irrigation systems. Staff gauges shall be installed in leachate surface impoundments to record depth of leachate daily to determine the effectiveness of evaporation and to calculate available capacity.

Attachment: 1. DeSoto County leachate records  
2. Chart for evaporative losses

## DeSoto County Landfill

April

## Evaporation Monitoring Report

Date	LIFT STATION		LEACHATE LAGOON					Percentage Rate of Evaporation	* OTHER
	Meter Reading	Gallons Pumped	Staff Level	Rain Data	Rain Gallons	Gallons Sprayed	Evaporation Gallons		
4/01/93	60.89	0.00	12.40	2.10	28,350.00	181,440.00	0.00	0.00%	14,392.00
4/02/93	60.89	0.00	12.30	0.00	0.00	181,440.00	0.00	0.00%	16,447.20
4/03/93	60.89	0.00	12.25	0.00	0.00	156,872.00	6,222.00	3.97%	0.00
4/04/93	60.89	0.00	12.20	0.00	0.00	156,872.00	6,197.00	3.96%	0.00
4/05/93	60.89	0.00	12.30	1.00	13,500.00	156,872.00	1,081.00	0.69%	0.00
4/06/93	60.89	0.00	12.20	0.00	0.00	181,440.00	8,308.20	4.58%	4,111.80
4/07/93	60.89	0.00	12.15	0.00	0.00	156,872.00	6,172.00	3.94%	0.00
4/08/93	60.89	0.00	12.10	0.00	0.00	156,872.00	6,147.00	3.92%	10,280.00
4/09/93	60.89	0.00	12.05	0.00	0.00	181,440.00	6,122.00	3.37%	0.00
4/10/93	60.89	0.00	12.00	0.00	0.00	181,440.00	6,098.00	3.36%	0.00
4/11/93	60.89	0.00	11.95	0.00	0.00	181,440.00	6,073.00	3.35%	0.00
4/12/93	60.89	0.00	11.90	0.00	0.00	181,440.00	6,048.00	3.33%	0.00
4/13/93	60.89	0.00	11.85	0.00	0.00	181,440.00	6,023.00	1.67%	0.00
4/14/93	60.95	1,259.75	11.75	0.00	0.00	181,440.00	12,121.95	6.68%	4,111.80
4/15/93	60.95	0.00	11.70	0.00	0.00	156,872.00	1,838.20	1.17%	4,111.80
4/16/93	60.95	0.00	12.15	2.00	27,000.00	156,872.00	0.00	0.00%	0.00
4/17/93	60.95	0.00	12.10	0.00	0.00	181,440.00	6,147.00	3.39%	0.00
4/18/93	60.95	0.00	12.00	0.00	0.00	181,440.00	12,220.00	6.74%	0.00
4/19/93	60.95	0.00	11.90	0.00	0.00	181,440.00	12,121.00	6.68%	0.00
4/20/93	60.95	0.00	11.85	0.00	0.00	181,440.00	6,023.00	3.32%	0.00
4/21/93	60.95	0.00	11.85	0.00	0.00	181,440.00	0.00	0.00%	4,111.80
4/22/93	60.95	0.00	11.85	0.00	0.00	181,440.00	0.00	0.00%	0.00
4/23/93	60.95	0.00	11.80	0.00	0.00	181,440.00	5,899.00	3.31%	0.00
4/24/93	60.95	0.00	11.80	0.00	0.00	181,440.00	0.00	0.00%	0.00
4/25/93	60.95	0.00	11.75	0.00	0.00	181,440.00	5,875.00	3.29%	0.00
4/26/93	60.95	0.00	11.70	0.00	0.00	156,872.00	5,950.00	3.80%	0.00
4/27/93	60.95	0.00	11.65	0.00	0.00	156,872.00	5,925.00	3.76%	0.00
4/28/93	60.95	0.00	11.60	0.00	0.00	156,872.00	5,901.00	3.77%	0.00
4/29/93	60.95	0.00	11.60	0.00	0.00	181,440.00	7,993.38	4.40%	0.00
4/30/93	60.95	0.00	11.55	0.00	0.00	181,440.00	7,076.16	3.90%	0.00
Totals		1,259.75		5.10	88,850.00	5,195,520.00	156,771.87	3.01%	57,566.40

ATTENTION Kim Ford

Page 1 of 2

DeSoto County Landfill  
Leachate Hauling Report

Other:

4/01/93 Seven loads were hauled to the Leachate collection lagoon located on the top of Zone 1, 14,392 gallons.

4/02/93 Eight loads were hauled to the Leachate collection lagoon located on the top of Zone 1, 16,447.20 gallons.

4/06/93 Two loads were hauled to the Leachate collection lagoon located on top of Zone 1, 4,111.80 gallons..

4/08/93 Five loads were hauled to the Leachate collection area on zone one, 10,280 gallons.

4/14/93 Two loads were hauled to the Leachate collection lagoon located on the top of Zone 1, 4,111.80 gallons.

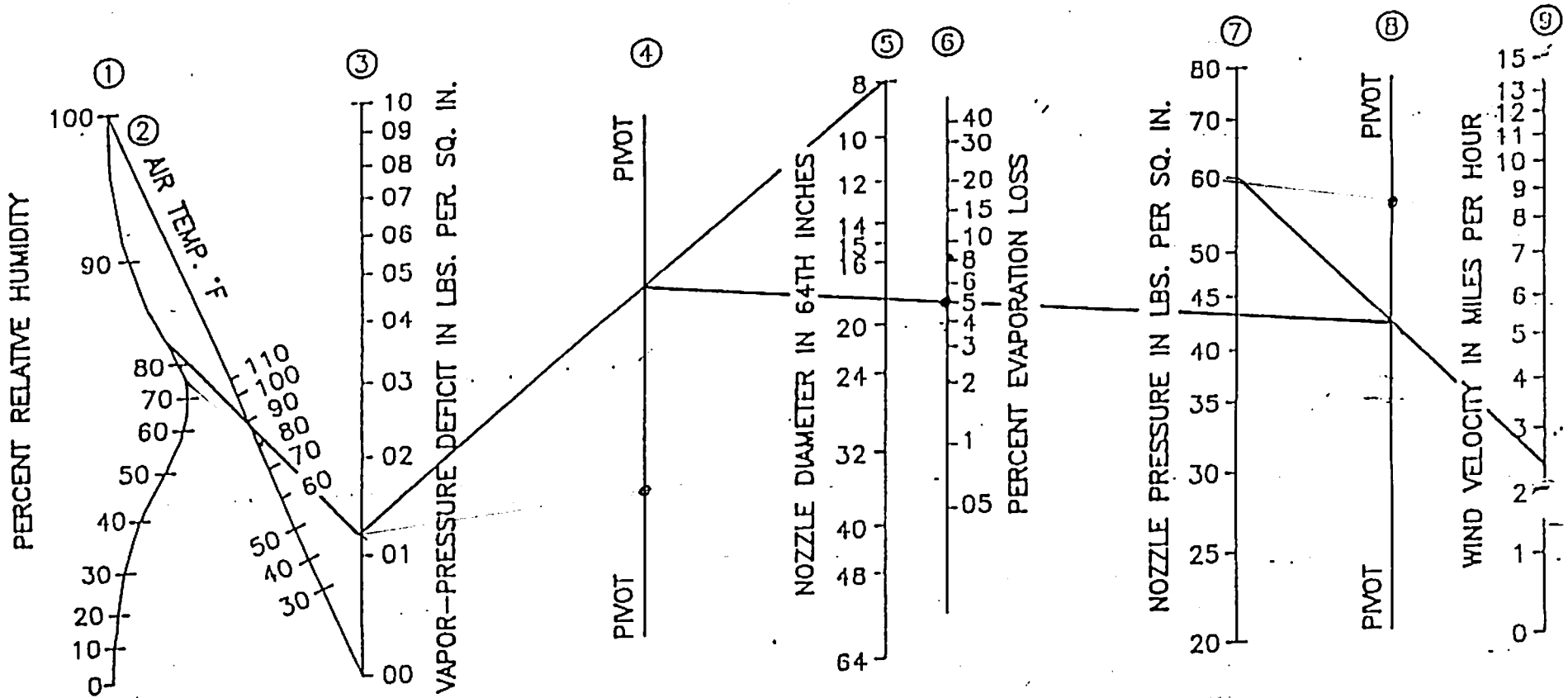
4/15/93 Two loads were hauled to the Leachate collection lagoon located on the top of Zone 1, 4,111.80 gallons.

4/21/93 Two loads were used to ensure the fire was extinguished on the working face of Zone 1, 4,111.80 gallons.

FAXED  
3/11/93

# SPRINKLER EVAPORATIVE LOSSES FOR SEPTEMBER 1992

5.0% ±



LEACHATE EVAPORATION POTENTIAL AT DESOTO COUNTY LANDFILL

The Leachate Impoundment has the Following:

Capacity = 1.2 million gals.  
Surface Area = 180' x 140' = 0.58 acres  
Pumps (2) = 5 hp., 3 hp., - each pump operates 2 zones  
Zones (4) = 22 sprayheads/zone  
(allowing for control of spray in wind)  
Sprayhead Max. Discharge Rate = 4 gals./min.

Recirculated Volumes:

Hourly - 21,120 gals./hr.  
Daily - 506,880 gals./day (24 hours)  
Monthly - 15.2 million gals. = recirculating the impoundment's volume  
12.66 times in one month or once every 2 1/2 days

Evaporation Potential:

(assume 3% - which neglects surface evaporation)

Volume evaporated:

Daily - 15,206 gals./day  
Monthly - 456,192 gals./month = 42% of the capacity of the impoundment



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619  
813-744-6100

Virginia B. Wetherell  
Secretary

J.R. Prestridge  
Solid Waste Superintendent  
Hardee County  
P.O. Box 246  
Wauchula, FL 33873

September 8, 1993

RE: Hardee County Landfill, Permit No. SO25-096551  
Leachate Management

Dear Mr. Prestridge:

Attached you will find a summary of the information received on leachate management (FDEP request of March 1993) in the Southwest District for a ninety day period in 1993. Evaluation of this information has raised the following concerns:

1. The number of active or open landfill acres appear high and the number of acres ready for final closure, but not closed, appear low. Please verify the number of open, intermediate, and closed acres.
2. The gallons of leachate collected per acre per day were not provided.
3. The amount of leachate impounded was not provided.

Hardee County is requested to provide complete daily leachate balance data in a summary format for each month for the Hardee County Landfill. Additionally, in an effort to develop a database of leachate management and testing practices in the District, the Department requests the attached Leachate Management Summary Form be completed.

The Department requests that all information be provided to the Solid Waste Section, FDEP, Tampa office within fifteen (15) days of this notice. If you have any questions, you may contact me at (813) 744-6100 ext. 386, or Kim Ford at ext. 382.

Sincerely,

Susan J. Pelz  
Solid Waste Section  
Division of Waste Management

**Attachments**

cc: Bob Butera, FDEP Tampa  
Kim Ford, FDEP Tampa  
Steve Morgan, FDEP Tampa  
Kathy Anderson, FDEP Tallahassee

LEACHATE MANAGEMENT SUMMARY

Landfill Name \_\_\_\_\_  
Location \_\_\_\_\_  
Phone Number \_\_\_\_\_

Place an "X" in the applicable spaces.

ON-SITE LEACHATE MANAGEMENT METHODS:

Impoundment Only \_\_\_\_\_  
Impoundment with Aeration \_\_\_\_\_  
Impoundment with Evaporation \_\_\_\_\_  
Irrigation of intermediate areas \_\_\_\_\_  
Recirculation \_\_\_\_\_  
Pre-treatment or Other (Describe)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OFF-SITE LEACHATE DISPOSAL METHODS:

Wastewater Treatment Plant  
County owned, Identify \_\_\_\_\_  
Non-County owned, Identify \_\_\_\_\_  
Other (Describe)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TESTING CRITERIA:

Please attach copies of your most recent leachate analysis.

Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_

# LEACHATE MANAGEMENT IN S.W. DISTRICT

for 90 days in 1993 ( rainfall amount varies, 6-13 inches )

Facility	Open Acres	Interm. Acres	Closed Acres	Leachate gal/acre/day	Collected	Impounded	Recirculated	T.P.	Evap.	Irrigation
Levy	4	3		773	487,530	*			*	367,900
Citrus	3	11	7	1506	1,898,000	*		1,898,000		
Sumter, compost				insufficient data ( impoundment and recirculation )						
Hern. N.W.	4			787	283,500			283,500		
Hern. Croom			5	199	89,750			89,750		
E. Pasco	14		42	157	792,000			792,000		
W. Pasco	7			371	234,000			234,000		
Polk NC	20	26		69	287,800	*	262,800	25,000	5,256	
Polk SE	8	10		843	1,366,000	*	1,206,000	160,000	24,120	
Polk NE	4	10		404	509,800	*	349,800	160,000	6,996	
Hills. SE	80	84	18	165	2,708,789		604,000	2,104,789	12,080	
DJJ	9	7			*	2,050,000	1,697,100		33,942	
Bridgeway Acres				insufficient data ( evaporation in cooling towers )						
Toytown			215	201	3,900,000	*		3,900,000		
126th Ave.	12			insufficient data ( impoundment in landfill )						
Manatee	5	212		274	5,352,000	7,780,000		32,049,000		
Hardee	10	3		insufficient data ( irrigation sprayfield )						
Desoto	3	5		1336	961,606	584,000	717,563	647,288	345,654	
Sarasota	71	49	100	545	32,621,400	87,000,000	8,780,000		175,600	

Collected : pump hours x pump capacity

Impounded : average amount impounded

Recirculated : all amounts distributed inside lined cells

T.P. : amount hauled or piped to treatment plant

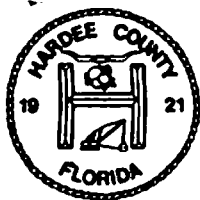
Evap. : evaporation @ 2% of amount recirculated

unless other specific information is provided

Irrigation : spray irrigation outside lined cells

\* : applicable information not provided





**HARDEE COUNTY**  
**Department of Solid Waste & Recycling Center**  
P.O. Box 246  
Wauchula, Florida 33873

July 7, 1993  
Page 1

Department of Environmental Regulations  
Attention: Kim B. Ford, P.E.  
Solid Waste Section  
Division of Waste Management  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8318

D.E.R.

JUL 09 1993

SOUTHWEST DISTRICT  
TAMPA

RE: Leachate control

Dear Mr. Ford:

The spray field was operated as necessary to maintain the water levels in the dewatering ditch between the desired elevations of 77.40 (High Water Level) and 74.20 (Low Water Level). There was no meter on the system, however, the floats in the tank are set to turn on at high water and shut off at the low water elevations, provided that the pump is set on automatic control.

We ran our system on manual control and sprayed only the amounts necessary to maintain the head below the disposal area and to allow sufficient storage space in the dewatering ditch in case of heavy rains. We tried to maintain a 75 elevation or lower. After your letter and the hydrological reports by Meres and Associates, we set up a tracking system to monitor the spray field.

Our first problem was to calculate how many gallons were sprayed per minute. After comparing the line pressure in the field closest to the pump and the field farthest away from the pump, we found that the pressures varied from a low of 25 pounds to a high of 35 pounds. The longer the pump would run, the lower the pressure would drop and the less volume the spray field put out.

Our findings were that the filter screen on the pump was becoming closed and causing the pressure to fluctuate and the longer the spray field ran the less pressure it put out. To correct this

July 7, 1993

Page 2

problem we had to back flush the pump and install a fine mesh screen on the intake structure in the dewatering ditch. After correcting this problem, we checked the line pressure again and found that we were still getting variable pressure readings. After walking the spray field we found one area more saturated than other areas. We dug down and found a line leak. The pipe was immediately repaired and the pressure checked again. We then sustained a pressure between a low of 52 pounds to a high of 60 pounds. The pressure used to calculate the volumes are based on 60 pounds.

The daily operating records are being revised to reflect more detailed information that you are requesting. The proposed sample forms are enclosed and revisions can be made to address any other additional information you might require.

In June we tried to spray out as little amount as possible. We also cut out two of the farthest sprinklers from the dewatering ditch and are presently operating only ten (10) sprinklers. As you can see the amount we currently are spraying is not sufficient to allow enough storage room for a heavy accumulative rain storms and needs to be increased.

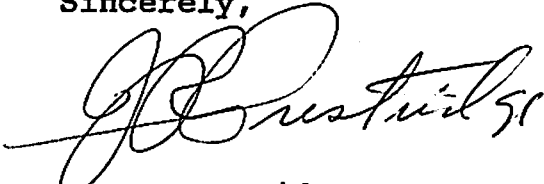
We are presently working with Wauchula and Bowling Green on negotiating a contract for treatment. I have contacted Kitchens Septic Tank Service for hauling. They currently have a 2,200 gallon tanker truck. The public Works Department has a 1,000 gallon that could also be utilized. After talking with Bill Washburn of the DER, we concluded that Wauchula would be the best plant if we could reach an agreement with them.

July 7, 1993

Page 3

Should you have any information that would be beneficial to us on this issue please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read "J.R. Prestridge".

J.R. Prestridge,  
Solid Waste Superintendent

jw

COST ESTIMATE

TREATMENT OF WASTE WATER  
FROM HARDEE COUNTY SANITARY LANDFILL

Based on conversation with City of Wauchula's Waste Treatment Plant Operator, Ray McClen; the following prices were quoted:

To set up industrial account for treatment of 25,000 gallons, maximum, per day:

Impact Fees	\$25,850.00
Tap Fee	200.00
Treatment Cost	1.53 per thousand
B.O.D.'s	.16 per pound

First B.O.D. Test taken by Wauchula was 80 B.O.D.s  
Second Test results will be in on July 7, 1993.

Example:

$$.025 \times 8.34 \times 80 = 1,668 \times \$ .16 = \$266.88$$

$$25 \times \$1.53 \text{ per thousand} = \underline{\quad 38.25 \quad}$$

\$305.13

(\$ .12 per gallon)



**NOTE:**

In regards to Kim Ford's letter, dated March 22, 1993, requesting the following:

- \* Quantities of leachate collected
- \* Quantities of leachate stored
- \* Quantities of leachate sprayed
- \* Quantities of leachate hauled to treatment

**In response to quantities collected:**

Gallons collected are listed on the Daily Water Level Summary. The sum was derived by subtracting gallons stored from gallons stored on the previous day. We feel that this figure may not be accurate because of the formula being used. However, we are not quite clear on the correct process of calculating gallons collected and would greatly appreciate any input.

**In response to quantities stored:**

A staff gauge located in the dewatering ditch is read and recorded daily. The readings are then converted into water elevations. Both readings are charted on the Daily Water Level Summary.

**In response to quantities sprayed:**

Gallons sprayed is based on the use of Rainbird Sprinklers, Model 85 EWPSH with 3/8" nozzle at 60 p.s.i. pressure. Volume output is 30.8 gallons of water per min., per sprinkler. Spray field operates at 50 to 52 p.s.i. on actual field measurement.

Gallons recirculated = minutes pump runs X number of sprinklers operating X 30.8 gallons per minute.

**Example:**

30 min. pump time X 10 sprinklers = 300 min.

300 min X 30.8 gallons per min. = 9,240 gallons sprayed.

**In response to quantities hauled to treatment:**

No leachate has been hauled to waste water treatment facilities.

**HARDEE COUNTY SANITARY LANDFILL  
DAILY WATER LEVEL SUMMARY**

DATE	TIME	WEATHER	RECORD RAIN FALL	STAFF GUAGE READING	WATER ELEVATION	GALLONS STORED	GALLONS COLLECTE D	SPRAY FIELD OPERATED	PUMP TIME	GALLONS SPRAYED
04-13-93	4:00 P	SUNNY	0	3.10	75.10	126,110		NO	N/A	0
04-14-93	-	SUNNY	0	3.50	75.50	181,750	55,640	NO	N/A	0
04-15-93	3:00 P	CLOUDY	0	3.33	75.33	158,103	0	YES	---	???
04-21-93	3:45 P	SUNNY	0	3.45	75.45	174,795	16,692	NO	N/A	0
04-22-93	4:00 P	CLOUDY	1.40"	3.20	75.20	156,712	0	YES	---	???
04-22-93	4:30 P	"	"	3.05	75.05	119,155	0	"	---	???
04-23-93	4:00 P	SUNNY	0	2.80	74.80	89,760	0	NO	N/A	0
04-26-93	4:00 P	CLOUDY	0	2.85	74.85	95,370	5,610	YES	---	???
04-27-93	4:00 P	SUNNY	0	2.80	74.80	89,760	0	YES	---	???
04-28-93	3:25 P	SUNNY	0	2.90	74.90	100,980	11,220	YES	---	???
04-29-93	-	SUNNY	0	3.36	75.36	162,276	61,296	YES	---	???
05-03-93	3:30 P	SUNNY	0	4.00	76.00	251,300	89,024	NO	N/A	0
05-05-93	3:50 P	SUNNY	0	3.08	75.08	113,939	0	NO	N/A	0
05-06-93	-	SUNNY	0	-	-	-	-	YES	---	???
05-07-93	1:25 P	SUNNY	0	2.88	74.88	98,736	0	NO	N/A	???
05-08-93	2:30 P	SUNNY	0	2.92	74.92	103,224	4,488	NO	N/A	0
05-10-93	2:45 P	SUNNY	0	3.01	75.01	113,591	10,367	YES	---	???
05-11-93	4:00 P	SUNNY	0	3.05	75.05	119,155	5,564	NO	N/A	0
05-12-93	4:30 P	SUNNY	0	3.01	75.01	113,591	0	YES	---	???

DATE	TIME	WEATHER	RECORD RAIN FALL	STAFF GUAGE READING	WATER ELEVATION	GALLONS STORED	GALLONS COLLECTED	SPRAY FIELD OPERATED	PUMP TIME	GALLONS SPRAYED
05-13-93	3:05 P	SUNNY	0	3.04	75.04	117,764	4,173	NO	N/A	0
05-14-93	2:45 P	SUNNY	0	3.04	75.04	117,764	0	YES	---	???
05-15-93	2:30 P	SUNNY	0	3.05	75.05	119,155	1,391	YES	240 MIN.	???
05-17-93	3:30 P	SUNNY	0	3.05	75.05	119,155	0	NO	N/A	0
05-18-93	4:20 P	SUNNY	0	3.07	75.07	121,937	2,782	NO	N/A	0
05-19-93	3:15 P	SUNNY	0	3.83	75.83	227,653	105,716	NO	N/A	0
05-20-93	4:00 P	SUNNY	0	2.09	74.09	10,098	0	YES	---	???
05-21-93	4:45 P	SUNNY	0	2.07	74.07	7,854	0	YES	---	???
05-22-93	2:30 P	SUNNY	0	3.03	75.03	116,373	108,519	NO	N/A	0
	5:00 P	SUNNY	0	3.30	75.30	153,930	37,557	NO	N/A	0
05-25-93	4:00 P	SUNNY	0	2.09	74.09	10,098	0	YES	---	???
05-26-93	2:30 P	SUNNY	0	2.30	74.30	33,660	23,562	YES	---	???
05-27-93	4:30 P	SUNNY	0	2.80	74.80	89,760	56,100	YES	120 MIN.	???
05-28-93	10:30 A	SUNNY	0	2.40	74.20	44,880	0	YES	120 MIN.	???
05-29-93	-	-	-	-	-	-	-	-	-	-
05-31-93	10:30A	SUNNY	0	2.70	74.70	78,400	33,520	YES	120 MIN.	???
06-01-93	10:30 A	SUNNY	2.10"	3.30	75.30	153,930	75,530	YES	60 MIN.	???
06-02-93	10:30 A	SUNNY	0	3.20	75.20	140,020	0	YES	120 MIN.	???
06-03-93	11:00 A	SUNNY	0	3.46	75.46	176,186	36,166	YES	150 MIN.	???
06-04-93	2:30 P	SUNNY	0	3.50	75.50	181,750	5,564	NO	N/A	-
06-06-93	4:30 P	SUNNY	0	3.41	75.41	169,231	0	YES	120 MIN.	???



DATE	TIME	WEATHER	RECORD RAIN FALL	STAFF GUAGE READING	WATER ELEVATION	GALLONS STORED	GALLONS COLLECTE D	SPRAY FIELD OPERATED	PUMP TIME	GALLONS SPRAYED
06-07-93	-	SUNNY	-	3.72	75.72	212,352	43,121	YES	240 MIN.	???
06-07-93	5:00 P	"	"	3.31	75.31	155,321	0	YES	"	???
06-08-93	10:00 A	SUNNY	0	3.48	75.48	178,968	23,647	NO	N/A	0
06-08-93	3;00 P	"	"	3.50	75.50	181,750	2,782	NO	N/A	0
06-09-93	8:15 A	SUNNY	0	3.60	75.60	195,660	13,910	NO	N/A	0
06-09-93	4:45 P	"	"	3.62	75.62	198,442	2,782	NO	N/A	0
06-10-93	8:15 A	SUNNY	0	3.70	75.70	209,570	11,128	NO	N/A	0
06-10-93	5:00 P	"	"	3.75	75.75	216,525	6,955	NO	N/A	0
06-11-93	8:00 A	SUNNY	0	3.83	75.83	227,653	11,128	NO	N/A	0
06-11-93	5:00 P	"	"	3.89	75.89	235,999	8,346	NO	N/A	0
06-12-93	8:00 A	SUNNY	0	3.96	75.96	245,736	9,737	NO	N/A	0
06-14-93	8:45 A	SUNNY	0	4.17	76.17	278,995	33,259	YES	65 MIN.	-
06-14-93	10:30 A	"	"	4.06	76.06	252,766	0	"	"	22,022
06-14-93	4:30 P	"	"	4.10	76.10	267,591	14,825	"	"	-
06-15-93	8:00 A	SUNNY	0	4.15	76.15	275,736	8,145	YES	60 MIN	-
06-15-93	9.55 A	"	"	4.06	76.06	252,277	0	"	"	20,328
06-15-93	5:00 P	"	"	4.09	76.09	252,766	489	"	"	-
06-16-93	9:15 A	SUNNY	0	4.17	76.17	278,995	26,229	NO	N/A	0
06-16-93	4:07 P	"	"	4.17	76.17	278,995	0	YES	30 MIN.	10,164
06-16-93	4:37 P	"	"	4.12	76.12	270,849	0	"	"	-
06-17-93	8:30 A	SUNNY	0	4.18	76.18	251,300	19,549	YES	30 MIN.	10,164

DATE	TIME	WEATHER	RECORD RAIN FALL	STAFF GUAGE READING	WATER ELEVATION	GALLONS STORED	GALLONS COLLECTE D	SPRAY FIELD OPERATED	PUMP TIME	GALLONS SPRAYED
6-17-93	9:00 A	SUNNY	0	4.14	76.14	274,107	0	YES	30 MIN.	10,164
06-18-93	9:10 A	SUNNY	0	4.28	76.28	296,915	22,808	YES	30 MIN.	10,164
06-18-93	9:40 A	"	"	4.18	76.18	251,300	0	"	"	-
06-19-93	12:00 P	SUNNY	0	4.25	76.25	292,027	40,727	NO	N/A	0
06-20-93	-	PARTLY CLOUDY	1.20"	-	-	-	-	NO	N/A	0
06-21-93	-	SUNNY	0	4.50	76.50	332,755	40,728	NO	N/A	0
06-21-93	4:45 P	"	"	4.53	76.53	337,642	4,887	NO	N/A	0
06-22-93	8:25 A	SUNNY	0	4.77	76.77	376,741	39,099	NO	N/A	0
06-22-93	4:45 P	"	"	4.82	76.82	384,886	8,145	NO	N/A	0
06-23-93	8:00 A	CLOUDY	0	4.85	76.85	389,774	4,888	NO	N/A	0
06-23-93	12:15 P	"	"	4.85	76.85	389,774	0	YES	60 MIN.	20,328
06-23-93	3:00 P	"	"	4.76	76.76	375,111	0	"	"	-
06-24-93	8:20 A	CLOUDY	1.30"	5.00	77.00	414,210	39,099	NO	N/A	0
06-25-93	8:40 A	OVERCAST	0	5.05	77.05	-	-	NO	N/A	0
06-26-93	2:30 P	CLOUDY	3.00"	5.20	77.20	-	-	NO	N/A	0
06-27-93	-	-	.50"	-	-	-	-	-	-	-
06-28-93	8:30 A	PARTLY CLOUDY	0	6.30	78.30	-	-	NO	N/A	0
06-28-93	3:20 P	"	"	6.20	78.20	-	-	YES	60 MIN.	18,480
06-29-93	8:15 A	SUNNY	0	6.28	78.28	-	-	YES	45 MIN.	13,860



**HARDEE COUNTY SANITARY LANDFILL  
DAILY WATER LEVEL  
LEACHATE RECIRCULATED**

DATE:     /    /      
TIME:     8:30 A.M.    

STAFF GAUGE READING: \_\_\_\_\_

WEATHER CONDITIONS: \_\_\_\_\_

RAIN FALL: \_\_\_\_\_

AIR TEMP: \_\_\_\_\_

WIND SPEED: \_\_\_\_\_

HUMIDITY: \_\_\_\_\_

\*\*\*\*\*

SPRAY FIELD OPERATED:

\_\_\_\_\_ YES \_\_\_\_\_ NO

IF YES:

A.M.

START TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

FINISH TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

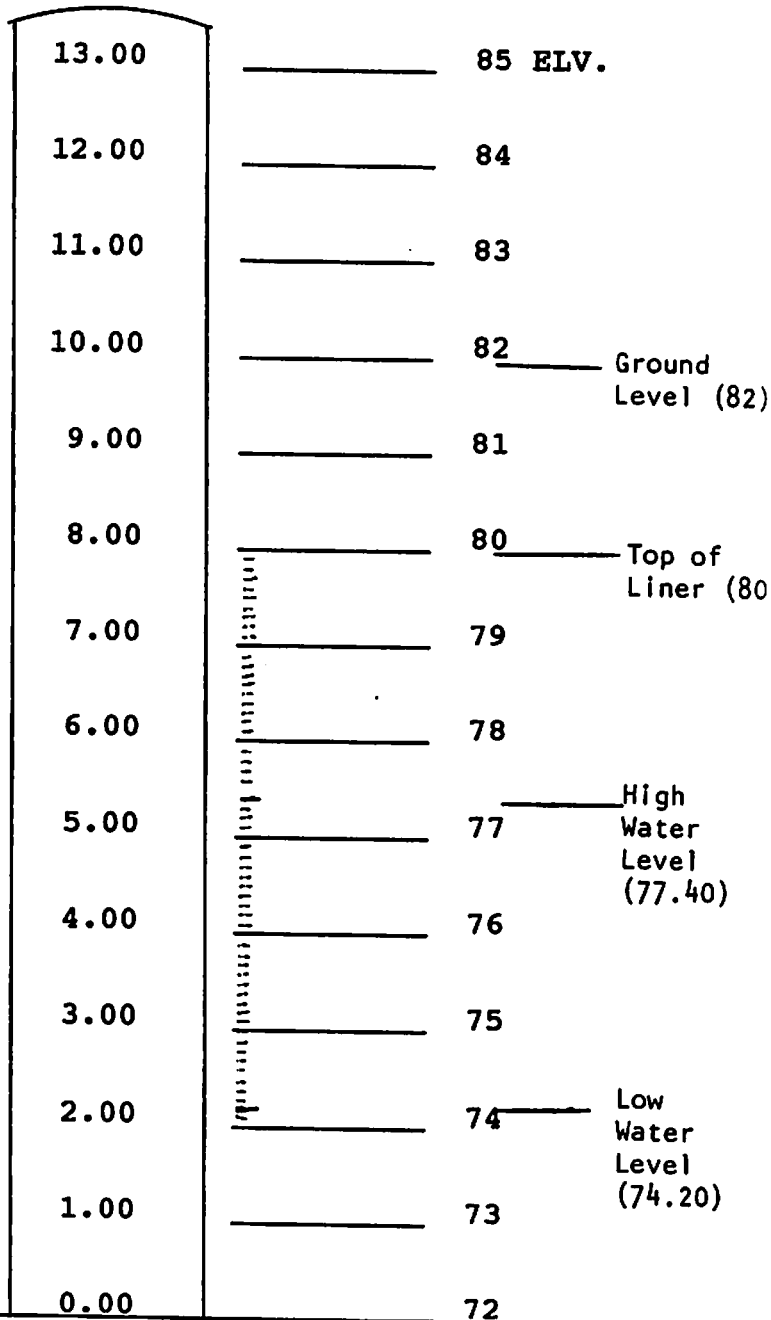
P.M.

START TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_

FINISH TIME: \_\_\_\_\_

STAFF GAUGE: \_\_\_\_\_



DEWATERING DITCH

NOTE: Spray field to be operated only on sunny days when spray field is not saturated. Water level to be maintained between low and high water elevation. NO pounding or run off of water on spray field permitted.

COMMENTS: \_\_\_\_\_

RECORDED BY: \_\_\_\_\_