

HARDEE COUNTY LANDFILL
WELL#1

(mg/l)

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	5	7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	5	7	28	2	1	1	8	2	2	2	1	5	5	7	5	5	6	6
CHLORIDE	250	29.8	48.3	46.2	36	45	49	44	47	39	55	51	36	50	44	45	44	50	43
CONDUCTIVITY	---	220	225	238	230	260	240	275	285	222	309	335	260	401	375	290	332	336	360
IRON	0.3	12	14	18.5	7.9	8.8	11	16	8.1	6.3	16	8.3	9.8	14	7.8	43	13	14	9.1
MANGANESE	0.05	0.016	0.022	0.021	0.021	0.034	0.014	0.034	0.035	0.022	0.01	0.008	0.008	0.008	0.009	0.024	0.01	0.01	0.01
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	19	72	17.3	13.4	15	15	14	15	12	15	11	16	19	17	18	14	16	14
LEAD	0.05	0.02	0.02	0.14	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.14	0.02	0.02	0.02
pH	---	5.19	5.6	5.8	4.75	4.6	4.4	5.74	4.94	6.52	5	4.4	5.1	4.6	5.1	5.2	4.7	4.9	---
SULFATE	250	33.3	33.6	20.9	45	45	37	27	39	29	48	49	65	50	45	45	78	79	40
T.D.S.	10000	267	271	228	295	230	240	220	250	200	310	280	270	280	270	330	370	330	300
TEMPERATURE	---	23.5	27.5	26	28.5	24	23	---	29	27	20.4	26	27.9	25.6	18	26.9	28	22.4	---
T.O.C.	---	57	56	51	60	35	38	35	43	38	37	37	48	58	48	84	68	61	52

HARDEE COUNTY
INVESTIGATION
- BRICKLAW
LANDFILL
WELL#1

HARDEE COUNTY LANDFILL
WELL#3

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	13.5	13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	13.5	13	15	52	25	26	30	10	32	26	24	20	29	26	18	42	36	23
CHLORIDE	250	21	16.7	16.8	7.1	63	16	17	47	18	17	9.9	13	13	12	16	16	14	11
CONDUCTIVITY	---	120	98	109	150	140	110	151	155	128	137	127	200	127	129	124	143	146	430
IRON	0.3	1.25	2.6	6.5	1.63	4.1	8.6	5.2	14	12	1.8	0.67	3.1	2	2	0.95	3.3	2.1	1.3
MANGANESE	0.05	0.005	0.015	0.005	0.012	0.015	0.014	0.036	0.066	0.011	0.005	0.005	0.006	0.013	0.019	0.005	0.02	0.02	0.02
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	9.5	5.65	5	5.3	5.1	4.5	5.24	5.3	4.9	5.7	2.7	4.6	4.5	5	4.7	4.8	4.3	3.7
LEAD	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	---	5.46	6.92	5.4	5.54	5.7	5.6	5.64	6.23	6.61	5.6	4.84	5.5	5.6	6	5.3	6.8	6.7	6.3
SULFATE	250	15	13.9	6	1.1	13	12	15	10	10	10	9.8	10	2.3	8.6	8.6	18	5	11
T.D.S.	10000	86	73	80	143	89	70	84	180	210	100	77	98	150	100	82	200	110	120
TEMPERATURE	---	25	24.8	28	28	25	23	---	31	31	23	26.5	28.4	25.5	26.8	24.2	34	24.3	29.5
T.O.C.	---	2.6	1.4	1.9	13.2	6.2	12	18	12	5.2	6.2	8.4	6.5	18	5.1	3.7	7.7	9.8	5

HARDEE COUNTY LANDFILL

WELL#4 (BACKGROUND)

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	9	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	9	20	10	10	25	1	9	10	26	22	19	8	55	32	13	23	72	52
CHLORIDE	250	24.8	23.3	28.3	23	25	48	35	28	18	22	17	17	10	16	16	12	15	14
CONDUCTIVITY	---	225	210	225	190	280	140	239	225	209	115	198	1850	246	177	125	130	354	430
IRON	0.3	10.2	11.7	14.2	9.4	25	17	16	16	31	10	6.8	7.6	29	14	8.2	17	55	39
MANGANESE	0.05	0.006	0.006	0.006	0.005	0.014	0.005	0.018	0.015	0.006	0.005	0.005	0.005	0.006	0.006	0.005	0.02	0.02	0.01
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	9.2	8.6	9	7.7	8.1	7	5.2	7.5	5.4	6.2	4.8	6.2	4	6.7	6.3	5.1	4.3	4.8
LEAD	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	---	5.86	5.64	5.5	5.29	5.8	3.9	5.6	5.87	5.84	5.85	5.5	5.6	6.2	5.6	5.8	5.8	6	6.8
SULFATE	250	45.2	38.1	7.3	21	37	11	15	23	5	22	33	32	5	29	24	12	23	16
T.D.S.	10000	160	205	187	207	1240	180	160	270	270	190	190	180	430	190	160	330	460	320
TEMPERATURE	---	24.5	23.2	26	29	24.5	23	---	30	27	24	26	28.1	25.5	20.4	23	28.1	24	23.4
T.O.C.	---	17	29	21.9	23.4	44	45	30	32	81	33	28	22	89	36	22	52	120	62

HARDEE COUNTY LANDFILL

WELL#5

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	11	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	11	5	7	2	4	6	16	17	12	11	9	22	14	9	6	13	16	12
CHLORIDE	250	24.3	20	12.6	15	13	22	18	15	14	14	13	24	24	13	30	21	22	14
CONDUCTIVITY	---	125	99	115	99	10	80	151	130	111	104	106	1810	163	105	144	133	171	127
IRON	0.3	6	6.6	5.5	1.1	4	13	5.2	3.3	5.8	4.2	2.9	6.2	7.9	3.3	21	6.5	8.7	4.8
MANGANESE	0.05	0.016	0.012	0.007	0.016	0.027	0.021	0.032	0.021	0.022	0	0.005	0.013	0.006	0.006	0.049	0.02	0.02	0.01
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	8.3	7.03	6.6	6.5	6.3	5.4	6.2	13	5.3	6	5.9	9.8	11	58	11	7.7	7.1	5.9
LEAD	0.05	0.02	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.14	0.02	0.02	0.02
pH	---	5.5	4.7	5.4	4.73	5.3	5	5.78	5.78	6.46	5.5	4.9	5.7	5.3	5.2	5.3	5.8	5.6	7.3
SULFATE	250	12.4	11.6	14	7.7	12	13	11	1.3	6.1	14	10	9	13	12	7	8.5	14	13
T.D.S.	10000	74	67	78	82	56	73	82	120	94	80	69	130	110	73	120	110	78	100
TEMPERATURE	---	24	24.2	27	27.5	25	23	---	29	28	21.8	26.3	28.6	25.5	22.5	23.7	32.3	25.6	23.8
T.O.C.	---	9.1	4.4	15.4	4.7	1.5	5.9	30	12	18	6.2	5.5	11	13	3.9	14	7.2	6.7	8.3

HARDBE COUNTY LANDFILL

WELL#6

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	35	54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	35	54	33	28	21	21	38	34	24	7	23	10	28	27	21	29	35	37
CHLORIDE	250	22.1	12.8	19.9	19	30	42	44	46	60	75	54	51	51	53	61	63	62	53
CONDUCTIVITY	---	158	168	150	140	150	150	235	215	277	274	270	220	266	245	283	281	292	282
IRON	0.3	2.3	3.6	3.2	0.7	7.1	14	9.9	13	12	20	7.2	12	7.8	7.7	11	8	8.8	9
MANGANESE	0.05	0.008	0.014	0.009	0.011	0.08	0.04	0.036	0.038	0.035	0.006	0.005	0.005	0.012	0.005	0.005	0.01	0.01	0.01
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	10.2	8.6	9.4	9.5	13	10	14	1.3	14	19	18	12	23	23	26	22	24	22
LEAD	0.05	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
pH	---	6.11	5.86	5.7	5.42	5.7	5.7	5.74	5.98	6.68	5	5.4	4.8	5.6	5.2	5.4	5.8	6	7.1
SULFATE	250	10	9.8	3.8	1	1	8.6	3.7	1.3	2	6	1	15	3.1	2.6	5	5.5	5	5
T.D.S.	10000	100	112	87	81	86	120	130	200	170	180	150	130	150	160	160	190	170	220
TEMPERATURE	---	24	25	27	27	23	23	---	28	28	21.9	26	27.6	25.9	21.6	23.1	28.3	21.9	24.4
T.O.C.	---	1	1.1	1.6	1.3	1	1.9	6.1	14	1.5	4.2	5.8	8.3	9.2	3.8	2.8	2.4	2.9	4.4

HARDBE COUNTY LANDFILL

WELL#7

PARAMETER	MAX. LIMIT	SAMPLE DATE																	
		12/1/87	3/8/88	6/8/88	9/16/88	12/9/88	3/27/89	6/8/89	8/30/89	11/15/89	2/2/90	4/30/90	7/25/90	11/14/90	1/23/91	5/7/91	8/6/91	11/4/91	2/17/92
TOTAL ALK.	---	7	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BICARB.	---	7	14	6	1	4.5	3	7	7	3	3	2	5	5	1	5	5	5	6
CHLORIDE	250	17.1	10.6	12.6	13	12	36	40	36	44	48	42	40	49	55	66	68	73	74
CONDUCTIVITY	---	105	91	108	120	120	160	210	185	219	212	215	210	240	260	276	276	318	298
IRON	0.3	3	3.7	5.3	1.2	7	10	10	11	10	12	7.4	6.7	8.9	8.4	12	12	12	11
MANGANESE	0.05	0.012	0.011	0.005	0.008	0.038	0.012	0.019	0.027	0.025	0.009	0.007	0.005	0.014	0.044	0.005	0.01	0.01	0.01
NITRATE	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SODIUM	160	5.8	4.4	5.5	4.7	5	6.1	7.1	7.5	8	10	12	18	19	22	22	20	23	25
LEAD	0.05	0.02	0.02	0.014	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
pH	---	5.7	5.4	4.9	4.66	5	4.9	4.59	4.97	5.21	4.8	4.4	4.6	4.6	4.4	4.6	4.7	4.8	6.2
SULFATE	250	19.8	7.17	14.7	7.7	22	16	18	17	5	15	13	15	15	12	10	80	13	8.5
T.D.S.	10000	107	72	78	7.6	52	110	120	130	120	140	120	140	160	140	160	190	150	210
TEMPERATURE	---	23.5	24.4	26	27	25	23	---	28	26.3	20.6	25	28.3	25.9	21	23.3	29.1	23	21.6
T.O.C.	---	4.1	3.9	4	4	2.2	4.4	140	7.4	30	12	30	4.5	9.2	5.4	6.4	6.6	5.9	7.7