

managa yan 1 da managa managa 1 Santa	NAME OF STREET	MC	NITORING V	WELL POINT	TABLE	
WELL NUMBER	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
20032	27'34'23.52664"	81*46'58.59928"	1177604.2260	726482.488	88,22	MW-1-TOP OF CASING
THE RESIDENCE OF STREET				T .	86.46'	GROUND
20038	27'34'15.56219"	81'46'52.17773"	1176800.972	727061.767	86.19	MW-2-TOP OF CASING
	Lance San James and A	and the same that the	* 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		84.56'	GROUND
20050	27'34'23.35207"	81'46'47.63442"	1177588.34	727469.216	87.19	MW-4-TOP OF CASING
			e an a second		87.15	TOP OF PVC
					84.22'	GROUND
20024	27'34'18.90366"	81'47'01.75310"	1177136.888	726199.5	89.16	MW-5-TOP OF CASING
	n _a				89.12	TOP OF PVC
					86.28'	GROUND
20006	27'34'08.44732"	81*46'56.74099"	1176081.769	726652.386	88.27	MW-6-TOP OF CASING
				er e maner e forei	88.25	TOP OF PVC
					85.06	GROUND
20015	27'34'06.68914"	81*46'59.87778"	1175903.729	726370.416	87.93	MW-7-TOP OF CASING
					87.88	TOP OF PVC
		н , л	S. S		84.98'	GROUND
20019	27'34'13.02901"	81*47'01.37218"	1176543.71	726234.815	89.40'	MW-8-TOP OF CASING
					89.39'	
			A STATE OF THE OWNER, AS A STATE OF THE OWNER,		86.63	GROUND
20022	27*34'11.99695"	81'47'01.82972"	1176439.418	726193.823	88.06	MW-3-TOP OF CASING
					86.46'	GROUND
22005	27'34'10.23576"	81"46'53.46262"	1176262.89	726947.09	88.517	MW-10R-TOP OF CASIN
NEW					88.566	TOP OF PVC
01-29-08					85.49'	GROUND
					85.57	CONCRETE
20017	27'34'09.60134"	81'46'56.25614"	1176198.382	726695.813	88.19	MW-11-TOP OF CASIN
NEW		в			88.11'	TOP OF PVC
					85.17	GROUND
1					85.27'	CONCRETE
22009	27'34'09.63755"	81'46'59.50012"	1176201.53	726403.89	89.022	MW-12R-TOP OF CASIN
NEW		2 .			89.00'	TOP OF PVC
01-29-08					85.71	GROUND
			The second secon		85.86	CONCRETE

WELL NUMBER	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
20033	27'34'23.50523"	81'46'54.84185"	1177602.658	726820.612	84.82'	GP-1-GROUND
	27 04 20.00020	01 40 34.04103	1177002.000	720020.012	87.81	TOP OF PVC
					87.75'	TOP OF CASING
energy and the second s					84.87	TOP OF CONCRETE
20031	27*34'23.49809"	81'46'58.51218"	1177601.357	726490.331	86.20'	GP-2-GROUND
	27 34 23.49009	0140 38.31218	1177001.337	720430.001	89.13	TOP OF PVC
			n di sebuah salam kendaran derbajan dari mendelakan di sebuah sebuah sebuah sebuah sebuah sebuah sebuah sebuah	-	89.05'	TOP OF CASING
	-		***************************************		86.25'	TOP OF CONCRETE
20027	27'34'23.42423"	81'47'01.86132"	1177593.371	726188.964	85.27	GP-3-GROUND
at the spirit make and the same that and the transfer to the same that t	2/0120.12725	0147 01.00132	1177000.017	720100.001	88.11'	TOP OF PVC
and distance and the second of					88.06'	TOP OF CASING
				-	85.32'	TOP OF CONCRETE
20026	27'34'20.56109"	81*47'01.70589"	1177304.268	726203.456	85.49'	GP-4-GROUND
	270720.00103	014701.70303			88.36'	TOP OF PVC
and the factory of any or with a significant contract product and complete the model of the			Mariet, en acoust attende accidente en para disattant pari conpute description		88.39'	TOP OF CASING
					85.49	TOP OF CONCRETE
20066	27'34'16.68982"	81'47'01.69325"	1176913.338	726205.276	85.96'	GP-5-GROUND
Declaration of the policy is a second paint open sale of the second control of the secon	27 34 10.00302	014701.09323	1170313.330	720203.270	88.89'	TOP OF PVC
	THE RESERVE AND ADDRESS OF THE PARTY OF THE		the same of the first reported that and the spiriture of		88.91	TOP OF CASING
					85.96	TOP OF CONCRETE
20021	27'34'14.50155"	81'47'01.66883"	1176692.365	726207.86	85.91	GP-6-GROUND
	27 34 14.30133	014701.00003	1170092.303	720207.00	88.71	TOP OF PVC
Andrew of Andrews Control of the State of th				<u> </u>	88.79'	TOP OF CASING
		-	The second secon		85.91'	TOP OF CONCRETE
20045	27'34'14.53610"	81*46'51.65803"	1176697.437	727108.717	83.51	GP-9-GROUND
	27 34 14.33010	01 40 31.03003	1170037.437	727300.717	86.26	TOP OF PVC
					86.17'	TOP OF CASING
20047	27'34'17.74439"	81*46'53.05590"	1177021.197	726982.352	85.66'	GP-10-GROUND
	2/341/./4439	01 40 33.03390	1177021.137	720302.332	88.55'	TOP OF PVC
					88.51	TOP OF CASING
					85.66'	TOP OF CONCRETE
20035	27*34'20.92315"	81*46'54.49379"	1177341.968	726852.393	85.51	GP-11-GROUND
20000	2/ 34 20.92315	81 46 54.493/9	1177341.900	720032.393	88.44	TOP OF PVC
					the production of the best of the second contract of the second cont	TOP OF CASING
			-		88.44'	TOP OF CONCRETE
20086	27.74'04 27045"	01146'50 47007"	1175710.195	726496.639	85.51'	GP-12-GROUND
20000	27*34'04.77045"	81'46'58.47893"	11/3/10.193	720490.039	83.19' 86.17'	TOP OF PVC
					86.15'	TOP OF CASING
					83.19'	TOP OF CONCRETE
20010	27*34'04.66648"	81'46'56.32145"	1175700.036	726690.812	81.52'	GP-13-GROUND
20010	27 34 04.00048	81 40 50.32145	11/3/00.036	720090.012	And the second s	TOP OF PVC
					84.35'	TOP OF CASING
					84.32' 81.52'	TOP OF CONCRETE
					81.52	TOP OF CONCRETE

- 4.) This survey was prepared for the specific purpose of locating the Monitoring wells, Gas probes, and Piezometers around the Hardee county Landfill.
- 5.) Wells in clouded area were resurveyed on 01-29-08.

		Te	many divine that I t I happy I began I I		The Residence of Paragraph of the last the	The property of the second sec
VELL NUMBER	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
20030	27'34'22.95129"	81*46'58.67941"	1177546.113	726475.379	86.47	P-1-GROUND
The state of the s	27 04 22.30123	01 40 00.07341			90.57	TOP OF PVC
20025	27'34'18.94357"	81*47'01.09935"	1177141.021	726258.323	89.48	P-2-GROUND
	2/ 57 10.5755/	01 47 01.03333	THE RESERVE OF THE PROPERTY OF		91.08'	TOP OF PVC
20009	27"34"05,78188"	81*46'55.39197"	1175812.82	726774.259	82.41	P-7-GROUND
20000	2/34/03//0100	01 40 33.39197		120//1.200	84.47'	TOP OF PVC
20011	27"74"04 00019"	81*46*58.10087"	1175724.264	726530.637	83.25'	P-8-GROUND
20011	27*34'04.90918"	01 40 30,10007	1170727.207	720000.007	85.32	TOP OF PVC
20036	27'34'19.05828"	81*46'53.53029"	1177153.801	726939,428	86.16	P-11-GROUND
20000	27 34 19.03020	01 40 33.33029	1177100.001	720000.120	88.69'	TOP OF PVC
20007	27'34'08.10869"	81*46'58.49879"	1176047.296	726494.261	85.28'	P-13-GROUND
20007	27 34 00.10009	01 40 30.43079	1110041.230	720434.201	87.96'	TOP OF PVC
20008	27'74'0C E 4770"	81*46'58.25866"	1175889.67	726516.147	84.05'	P-14-GROUND
20000	27*34'06.54739"	01 40 30.23000	1173003.07	120010.147	87.31'	TOP OF PVC
20020	07174'17 00070"	01147'00 70005"	1176632.041	726292.544	87.72'	P-15-GROUND
20020	27'34'13.90272"	81'47'00.72895"	1170032.041	120232.344	The same of the sa	TOP OF PVC
					89.62'	TOP OF CASING
20026		044704 50045	1177600 776	700010 010	89.52'	P-17-GROUND
20028	27'34'24.46321"	81'47'01.59645"	1177698.331	726212.616	85.88	TOP OF PVC
NEW	A service of the serv		annitrate of a particular service service science (see a laborate contract of the contract of		88.82'	
Badding bereing artis a small statements statement when the small bridge decision is the sa			and the state of t		88.70'	TOP OF CASING
					89.52	TOP OF CONCRETE
22013	27'34'23.34751"	81'47'04.45623"	1177585.22	725955.47	84.37	P-18-GROUND
NEW					88.74	TOP OF PVC
01-29-08		DE SOUTHER SEE STATE AND RESTORATE OF THE SECOND SEE STATE OF THE SECOND SECON			87.99'	TOP OF CASING
			nan ara and an		84.57	TOP OF CONCRETE
22017	27'34'24.32127"	81*46'54.06069"	1177685.19	726890.76	84.14'	P-19-GROUND
NEW					86.73'	TOP OF PVC
01-29-08					86.66	TOP OF CASING
					84.23'	TOP OF CONCRETE
20034	27'34'23.13137"	81'46'54.51835"	1177564.956	726849.789	84.68'	P-20-GROUND
NEW					87.60'	TOP OF PVC
					87.61	TOP OF CASING
-					84.68'	TOP OF CONCRETE
20042	27'34'17.53532"	81'46'51.68684"	1177000.302	727105.589	83.57'	P-21-GROUND
NEW					86.63'	TOP OF PVC
				The second secon	86.68'	TOP OF CASING
		alan and an		Second Second	83.72'	TOP OF CONCRETE
20014	27'34'07.85808"	81'47'03.73232"	1176021.166	726023.336	84.09'	P-22-GROUND
NEW			Marie Marie Contract		87.04'	TOP OF PVC
THE RESERVE OF THE PARTY OF THE	The state of the s		mande established and the second of the seco		87.15	TOP OF CASING
***********			and the second s	1	84.19'	TOP OF CONCRETE
20013	27'34'04.85082"	81*47'03.75949"	1175717.48	726021.42	83.71	P-23-GROUND
NEW	270707.00002	01 17 00.70313			86.45	TOP OF PVC
			in an increase and the principles of the second of the second second second second second second second second		86.63'	TOP OF CASING
de en em directo de productivo de la compansión de la compansión de la compansión de la compansión de la compa			Bederster ademie ein ein ein ein erwine er ein er ein er ein er ein	Annual and the state of the sta	83.81	TOP OF CONCRETE

GREGORY A. PRATHER, P.L.S.
FLORIDA REGISTRATION No. 5135
PICKETT AND ASSOCIATES, INC.
FLORIDA REGISTRATION No. LB 364

PIEZOMETER POINT TABLE



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FEB 15 2008 SOUTHWEST DISTRICT TAMPA

14198-2 DRAWING No. LD 3665

01/29/08 SURVEY DATE

LEGEND: PVC POLYVINYL CHLORIDE 100 WELL POINT NUMBER GPS CONTROL POINT MONITORING WELL G GAS PROBE PIEZOMETER MW MONITORING WELL GP GAS PROBE PIEZOMETER MW MONITORING WELL PIEZOMETER 22 **20014** SURVEYOR'S NOTES: Dept. of Environmental North and the coordinates shown hereon are referenced to the West Zone of the Florida State Plane Coordinate System, NAD 83, 1990. Elevations are to National Geodetic Vertical Datum of 1929 and are based on U.S. Geological Survey bench mark numbers "22RHP", "23RHP", "24RHP" and "Y65". Aerial photography for this project is digital ortho-rectified imagery dated 2/23/07 prepared by Pickett & Associates, Inc.



well_name	lat_dd	lat_mm	lat_ss	long_dd	long_mm	long_ss	elevation	insp. date	site	comment
MW-1	27	34	23	81	46	58.4	67 ft	7/15/2002	HARDEE	
MW-2	27	34	15.1	81	46	52.3	52 ft	7/15/2002	HARDEE	
MW-3	27	34	12.3	81	47	1.6	77 ft	7/15/2002	HARDEE	
MW-5	27	34	19	81	47	1.5	78 ft	7/15/2002	HARDEE	
MW-6	27	34	8.5	81	46	56.9	61 ft	7/15/2002	HARDEE	(used these I/I coords in WACS)
MW-7	27	34	8.6	81	47	0.2	56 ft	7/15/2002	HARDEE	
well name	lat dd	lat mm	lat ss	long_dd	long mm	long_ss	elevation	insp. date	site	comment
MW-4	27	34	23.1	81	46	47.2	97 ft	11/13/2002	HARDEE	
MW-8	27	34	13.3	81	47	1	63 ft	11/13/2002	HARDEE	
MW-9	27	34	12.8	81	46	55.5	56 ft	11/13/2002	HARDEE	
Leachate										·
pump										
statation										
(manhole 1)	27	34	13.6	81	46	54	61 ft	11/13/2002	HARDEE	
SW-1	27	34	15.1	81	46	52.9	77 ft .	11/13/2002	HARDEE	(rechecked 7/8/03)
well name	lat dd	lat mm	· lat ss	long dd	long mm	long ss	elevation	insp. date	site	comment
well_name MW-6	lat_dd 27	lat_mm 34	lat_ss 8.6	long_dd 81	- long_mm - 46	long_ss 56.8	elevation 32.1 m	insp. date 7/8/2003	site HARDEE	comment (confirmed I/I coords from 7/15/02)
	ı	_								(confirmed I/I coords from 7/15/02)
MW-6	27	34	8.6	81	46	56.8	32.1 m	7/8/2003	HARDEE	(confirmed 1/1 coords from 7/15/02)
MW-6 SW-1	27	34	8.6	81	46	56.8	32.1 m	7/8/2003 7/8/2003	HARDEE HARDEE	(confirmed 1/1 coords from 7/15/02) (used these 1/1 coords in WACS)
MW-6 SW-1 Manhole 9 SW-2	27 27 27	34 34 34	8.6 8.7	81 81 81	46 46 46	56.8 49.8 55.9	32.1 m 32.6 m 29.9 m	7/8/2003 7/8/2003 7/8/2003 7/8/2003	HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1)
MW-6 SW-1 Manhole 9 SW-2 well_name	27 27 27 27	34 34 34 lat_mm	8.6 8.7 1.7	81 81 81 long_dd	46 46 46 long_mm	56.8 49.8 55.9 long_ss	32.1 m 32.6 m	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date	HARDEE HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10	27 27 27 27 lat_dd 27	34 34 34 lat_mm 34	8.6 8.7 1.7 lat_ss 10.7	81 81 81 long_dd 81	46 46 46 long_mm 46	56.8 49.8 55.9 long_ss 52.4	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005	HARDEE HARDEE HARDEE HARDEE site HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name	27 27 27 27 lat_dd 27 lat_dd	34 34 34 lat_mm 34 lat_mm	8.6 8.7 1.7 lat_ss 10.7	81 81 81 long_dd 81	46 46 long_mm 46 long_mm	56.8 49.8 55.9 long_ss 52.4 long_ss	32.1 m 32.6 m 29.9 m	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd	HARDEE HARDEE HARDEE HARDEE site HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R	27 27 27 lat_dd 27 lat_dd 27	34 34 34 lat mm 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss	81 81 81 long_dd 81	46 46 long_mm 46 long_mm	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008	HARDEE HARDEE HARDEE HARDEE site HARDEE site HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment (Phase II, Section I expansion well)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R MW-11	27 27 27 lat_dd 27 lat_dd 27 27	34 34 34 lat_mm 34 lat_mm 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss 10.24 9.6	81 81 81 long_dd 81 81	46 46 long_mm 46 long_mm 46	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46 56.26	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008 2/15/2008	HARDEE HARDEE HARDEE site HARDEE HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment (Phase II, Section I expansion well) (Phase II, Section I expansion well)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R	27 27 27 lat_dd 27 lat_dd 27	34 34 34 lat mm 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss	81 81 81 long_dd 81	46 46 long_mm 46 long_mm	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008	HARDEE HARDEE HARDEE HARDEE site HARDEE site HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment (Phase II, Section I expansion well)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R MW-11	27 27 27 lat_dd 27 lat_dd 27 27	34 34 34 lat_mm 34 lat_mm 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss 10.24 9.6	81 81 81 long_dd 81 81	46 46 long_mm 46 long_mm 46	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46 56.26	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008 2/15/2008	HARDEE HARDEE HARDEE site HARDEE HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment (Phase II, Section I expansion well) (Phase II, Section I expansion well)
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R MW-11 MW-12R	27 27 27 lat_dd 27 lat_dd 27 27 27 27 lat_dd	34 34 34 lat mm 34 lat mm 34 34 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss 10.24 9.6 9.64	81 81 81 long_dd 81 long_dd 81 81	46 46 long_mm 46 long_mm 46 46 46	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46 56.26 59.5	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008 2/15/2008 2/15/2008	HARDEE HARDEE HARDEE HARDEE site HARDEE HARDEE HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment
MW-6 SW-1 Manhole 9 SW-2 well_name MW-10 well_name MW-10R MW-11 MW-12R well_name	27 27 27 lat_dd 27 lat_dd 27 27 27 27 lat_dd	34 34 34 lat mm 34 lat mm 34 34 34	8.6 8.7 1.7 lat_ss 10.7 lat_ss 10.24 9.6 9.64	81 81 long_dd 81 long_dd 81 81 81	46 46 long_mm 46 long_mm 46 46 46	56.8 49.8 55.9 long_ss 52.4 long_ss 53.46 56.26 59.5	32.1 m 32.6 m 29.9 m elevation	7/8/2003 7/8/2003 7/8/2003 7/8/2003 insp. date 12/22/2005 surv_rec'd 2/15/2008 2/15/2008 2/15/2008	HARDEE HARDEE HARDEE site HARDEE HARDEE HARDEE HARDEE HARDEE HARDEE	(confirmed I/I coords from 7/15/02) (used these I/I coords in WACS) (used same I/I coords as MH-1) comment (Phase II, Section I expansion well) comment

SUBMITTED IN SUPPLY OF
PENDING OFS PERMET NOWELLS
3844-011-50/01

REVISED GROUNDWATER MONITORING PLAN

ATTACHMENT M-1 TO THE

CONSTRUCTION PERMIT APPLICATION FOR HARDEE COUNTY LANDFILL EXPANSION

Prepared for:

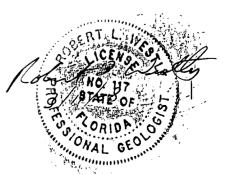
Hardee County
Board of County Commissioners
412 West Orange Street
Wauchula, Florida
863-773-5089



Prepared by:

SCS Engineers 3012 U.S. Highway 301 North, Suite 7004041 Park Oaks Blvd, Suite 100 Tampa, Florida 3361<u>0</u>9 (813) 621-0080

> File No. 09199033.09 November 15, 2004 Revised March 10, 2008



FIGURES

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TABLE M-2. REVISED WELL CONSTRUCTION DETAILS



						Casing Length			Ground Surface Elevation (Fi-				
Well ID	Well Diameter	Current Permit Designation	Permit Designation Phase II Section 1	Permit Designation Phase II Section II	Total Depth (bls)	(it bls)	Screen Length	TOC Elevation (NGVD)	NGVD)	Screen top/bottom (ft. bls)	screen top/bottom (NGVD)	Maximum Water Level (NGVD)	Minimum Water Level (NGVD)
MW-1	4"		Background	Background	11.00	7.80'	5'	88.22	86,46	6.0/11.0	80,46/75,46	85,44 (Feb 95)	78.27 (June 00)
MW-2	4"	Detection	Detection	Detection	10.50	7.80	5'	86.46	84.56	5.5/10.5	79.06/74.06	82.46 (Dec 02)	75.56 (June 00)
MW-3	2"	Piezometer	Piezometer	Abandoned	unknown	unknown	unknown	88.06	86,46	unknown	unknown	unknown	unknown
MW-4	2"	Background	Background	Background	18.90'	12.20"	10'	87.15	84.22	8.9/18.9	75.32/65.32	83.06 (Dec 02)	76.56 (June 00)
MW-5	2"	Detection	Detection	Abandoned	18.10'	11,00'	10'	89.12	86.28	8.1/18.1	78.18/68.18	82.91 (Dec 97)	76.46 (June 00)
MW-6	2"	Piezometer	Piezometer	Piezometer	13.50'	3,50	10,	88.25	85.06	3.5/13.5	81.56/71.56	83.11 (Dec 02)	75.31 (June 01)
MW-7	2"	Piezometer	Piezometer	Piezometer	13.50'	3.50'	10'	87.88	84.98	3.5/13.5	81,48/71.48	83.11 (Dec 02)	75.31 (June 01)
MW-8	2"	Detection	Detection	Abandoned	13.50	3.50	10'	89.39	86.63	3.5/13.5	83.13/73.13	83.18 (Dec 02)	75.58 (June 01)
MW-9	2"	Detection Ahandoned	Abandoned	Abandoned	13.50	3,50	10'	88.71	85.90	3.5/13.5	82.40/72.40	83.11 (Dec 02)	75.31 (June 01)
MW-102	2"	Proposed Abandoned	Detection Abandoned	Detection Abandoned	12.00'	2.00*	10'	88.0**	85.0**	3.8/12.0	81.2/71.2**	82.5***	74.5 (MW-6 Jun 00)***
MW-10R	2*	Detection	<u>Detection</u>	Detection	20:00	5.00	<u>15</u>	<u>88.57</u>	<u>85.49</u>	5/20	80.49/65.49	78.19.(Jan 08)	78.19 (Jan 08)
MW-H+	2"	Proposed Detection	Detection	Detection	12.00	2.00	. 10'	86:1**X8:11	83:1**85:17	2.0/12.0	79,17 81-1/71-1** 69,17	82***77.76 (Jan 08)	74.5 (MW 6 Jun 00)***77.76 (Jan 08)
MW-12*	2"	Proposed Abandoned	Detection Abandoned	Detection Abandoned	17.00'	2.00	15'	88.3**	85.3**	2.0/12.0	83.3/68.3**	82***	74.4 (MW-7 Jun 00)***
MW-12R	2"	Detection	Detection	Detection	17.00	2.00	15		85.71	5/20			77:81-(Jan 08)
STMW-12K STATE		<u>Defection</u>	<u>Delection</u>	<u>Detection</u>		2;00	10	<u>89:00</u>	85.71		80.71/65.71		/1:81 (Jan U8)
MW-13**	2"	Proposed	Phase II Section II	Detection	1,7.00*	2.00*	15'	87.4**	84.4**	2.0/17.0	82.4/67.4**	83***	· 74.4 (MW-7 Jun 00)***
MW-14**	2"	Proposed	Phase II Section II	Detection	12.00'	2.00'	10'	88.5**	85.5**	2.0/12.0	83.5/73.5**	82***	76.6 (MW-5 Jun 00)***
MW-15**	2"	Proposed	Phase II Section II	Detection	12.00'	2.00*	10'	87.0**	84**	2.0/12.00	82.0/72.0**	83.5***	76.6 (MW-5 Jun 00)***
Maintenance Supply Well	4"	Supply Well	To Be Abandoned	To Be Abandoned	197'	63'	NΛ	unknown	unknown	NΛ	NΛ	NM	NM
Material Recover Facilty Supply Well	4"	Supply Well	Supply Well	Supply Well	200'	67'	NΛ	unknown	unknown	NA	NA	NM	NM
	**												
Proposed Supply Well*	4"	Proposed	Supply Well	Supply Well	197'	63'	NA	TBD	TBD	NA NA	NA	NM	NM NM

NOTES

* = Proposed Locations: Construction specifications bused on top of clay and maximum-water-levels observed on the site

* = Abandoned on January 22, 2008.

TBD =To Be Determined

NA =Not Applicable

NM = Not Measured

REVISED MARCH 10, 2008

^{** =} Approximate Elevation based upon March 2003 Aerial Topography Survey of the Site by I.F. Rooks and Associates

^{*** =} Approximate based on potentiometric flow maps (Refer to Geotechnical Report attached to this Permit application)

Monitoring Location	Current Permit Designation	Permit Designation Phase II Section I	Permit Designation Phase II Section II
MW-i	Background	Background	Background
MW-2	Detection	Detection	Detection
MW-3	Piezometer	Piezometer	Abandoned
MW-4	Background	Background	Background
MW-5			
	Detection	Detection	Abandoned
MW-6	Piezometer	Piezometer	Piezometer
MW-7	Piezometer	Piezometer	Piezometer
MW-8	Detection	Detection	Abandoned
MW-9	Detection Abandoned	Abandoned	Ahandoned
MW-10	Proposed Detection Phase II Section I	Detection Abandoned	Detection Abandoned
MW-IOR	Existing Detection Phase III Section 1	Detection	<u>Detection</u>
MW-11	Proposed Existing Detection Phase II Section I	Detection	Detection at the second
MW-12	Proposed Detection Phase II Section 1	Detection Abandoned	Detection- Abandoned
MW-J2R	Existing Detection Phase II Section I	Detection	Detection
MW-13	Proposed Detection Phase II Section II	Proposed Detection Phase II Section II	Detection
MW-14_	Proposed Detection Phase II Section II	Proposed Detection Phase II Section II	Detection
MW-15	Proposed Detection Phase II Section II	Proposed Detection Phase II Section II	Detection
P-1	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-2	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-3	Piezometer Abandoned	Abandoned	Ahandoned
19-4	Piezometer Abandoned	Abandoned	Abandoned
P-5	Piezometer Abandoned	Abandoned	Abandoned
P-6	Abandoned	Abandoned	Abandoned
P-7	Piezometer	Piezometer	Piezometer
P-8	Piezometer	Piezometer	Piezometer
12-9	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-10	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-11	Piezometer	Piezometer	Piezometer
P-12	Piezometer Abandoned	Ahandoned	Abandoned
P-13	Piezometer	Piezometer	Piezometer
P-14	Piezometer	Piezometer	Piezometer
P-15	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-16	Leachate Level Monitoring	Ahandoned	Ahandoned
P-16A	Proposed Leachate Monitoring	Leachate Level Monitoring	Leachate Level Monitoring
P-17	Proposed Existing Piezometer	Piezometer	Piezometer
P-18	Proposed-Existing Priezometer	Piezometer	Piezometer
P-19	Proposed Existing Piezometer	Piezometer	Piezometer
P-20	Proposed-Existing Riezometer	Piezometer	Piezometer
P-21	Proposed Existing Plezometer	Piezometer	Piezometer
P-22	Proposed-Existing Piezometer		
	Proposed-Existing Piezometer	Piezometer	Piezometer
P-23		Piezometer	Piezometer
SW-2	Proposed	Surface Water	Surface Water
SG-1	Proposed	Staff Gauge	Staff Gauge
SG-2	Proposed	Staff Gauge	Staff Gauge

REVISED MARCH 10, 2008

TABLE M-4. REVISED PIEZOMETER CONSTRUCTION DETAILS

			i										-	\mathcal{D}_{e_D}	D.
			TABLE M	-4. REVISED PIEZO	METER	CONST	RUCTI	ON DETA	AILS					10	T. Of Environmen Protection AR 11 2008
									Ground			Maximum		Average	Totecti Onthe
			Permit Designation Phase II	Permit Designation Phase II	Total Depth	Casing Length	Screen	TOC Elevation	Surface Elevation (Ft-	Screen top/bottom	screen top/bottom	Water Level	Minimum Water	Water Level	AR 11 2008 St District
Piezometer ID	Diameter	Current Permit Designation	Section I	Section II	(bls)	(ft bls)	Length	(NGVD)	NGVD)	(ft. bls)	(NGVD)	(NGVD)	Level (NGVD)	(NGVD)	2008
P-1	2"	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring	unknown	unknown	unknown	90.14	89.89	unknown	unknown	unknown	unknown	unknowi	St >
P-2	2"	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring	unknown	unknown	unknown	90.64	unknown	unknown	unknown	unknown	unknown	unknown	"Distric
P-3	2"	Piezometer Abandoned	Abandoned	Abandoned	13.50'	3.50'	10'	89.40	85.90	3.5/13.5	unknown	unknown	unknown	unknown	*1Cf
P-4	2"	Piezometer Abandoned	Abandoned	Abandoned	14.00'	3.50'	10'	88.36	85.90	4.0/13.5	unknown	unknown	unknown	unknown	
P-5	2"	Piezometer Abandoned	Abandoned	Abandoned	13.50'	3.50'	10'	89.30	85.90	3.5/13.5	unknown	unknown	unknown	unknown	
P-6	2"	Abandoned	Abandoned	Abandoned	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	
P-7	2"	Piezometer	Piezometer	Piezometer	unknown	unknown	unknown	84.16	unknown	unknown	unknown	unknown	unknown	unknown	
P-8	2"	Piezometer	Piezometer	Piezometer	unknown	unknown	unknown	84.98	unknown	unknown	unknown	unknown	unknown	unknown	
P-9	2"	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring	unknown	unknown	unknown	87.17	85.12	unknown	unknown	unknown	unknown	unknown	
P-10	2"	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring	unknown	unknown	unknown	88.66	87.01	unknown	unknown	unknown	unknown	unknown	
P-11	2"	Piezometer	Piezometer	Piezometer	unknown	unknown	unknown	88.25	85.03	unknown	unknown	unknown	unknown	unknown	
P-12	2"	Piezometer Abandoned	Abandoned	Abandoned	15.00'	3.50'	10'	88.75	NA	3.50/13.5	unknown	unknown	unknown	unknown	
P-13	2"	Piezometer	Piezometer	Piezometer	unknown	unknown	unknown	87.65	unknown	unknown	unknown	unknown	unknown	unknown	
P-14	2"	Piezometer	Piezometer	Piezometer	unknown	unknown	unknown	86.99	unknown	unknown	unknown	unknown	unknown	unknown	
P-15	2"	Leachate Level Monitoring	Leachate Level Monitoring	Leachate Level Monitoring	13.50'	3.50'	NA	89.23	85.90	3.5/13.5	unknown	unknown	unknown	unknown	
P-16	2"	Leachate Level Monitoring	Abandoned	Abandoned	13.50'	3.50'	NA	88.92	85.90	3.5/13.5	unknown	unknown	unknown	unknown	
P-16A	2"	Proposed	Leachate Level Monitoring	Leachate Level Monitoring	20.00	2.00'	18'	95	92.00	2.0/20.0	90.0/72.0**	unknown	unknown	unknown	
P17-	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	88.7088.2**	85.88 85.2**	2.0/12.0	83.88 83.2/ 73.88 73.2**	83.5***	78.3 (MW-1 Jun00)	81***	
P-18	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	87.987.1**	84.4284.1**	2.0/12.0	82.4282.1/72.42 72.1**	83.5***	78.3 (MW-1 Jun00)	81***	
P-19—	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	86.79 <mark>87.7**</mark>	84:1784.7**	2.0/12.0	82.17 82.7/ 72.17 72.7**	82***	76.6 (MW-4 Jun00)	80***	
P-20***	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	87.6186.6**	84.6883.6**	2.0/12.0	82.6881.6/72.6871.6**	81.5***	76.6 (MW-4 Jun00)	79.5***	
P-21	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	86.6884.3**	83.5781.3**	2.0/12.0	81.57 79.3 /71.57 69.3**	80.5***	75.6 (MW-2 Jun00)	78***	
P-227	2"	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	87.15 87.2**	84.0984.2**	2.0/12.0	82.0982.2/72.0972.2**	81.5***	74.4 (MW-7 Jun00)	78.5***	
P-23	2"_	NA Existing Piezometer	Piezometer	Piezometer	12.00'	2.00'	10'	86.6386.7**	83.71 83.7**	2.0/12.0	81.71 81.7 /71.71 71.7**	83***	74.4 (MW-7 Jun00)	77.5***	

TBD=To Be Determined

NA=Not Applicable

NM=Not Measured

REVISED MARCH 10, 2008

^{* =} Proposed Monitoring Locations - Construction specifications based on average water levels observed on the site.

^{** =} Approximate Elevation based upon March 2003 Aerial Topography Survey of the Site by I.F. Rooks and Associates

^{*** =}Approximate based on potentiometric flow maps (Refer to Geotechnical Report attached to this Permit application)

MAR 11 2008

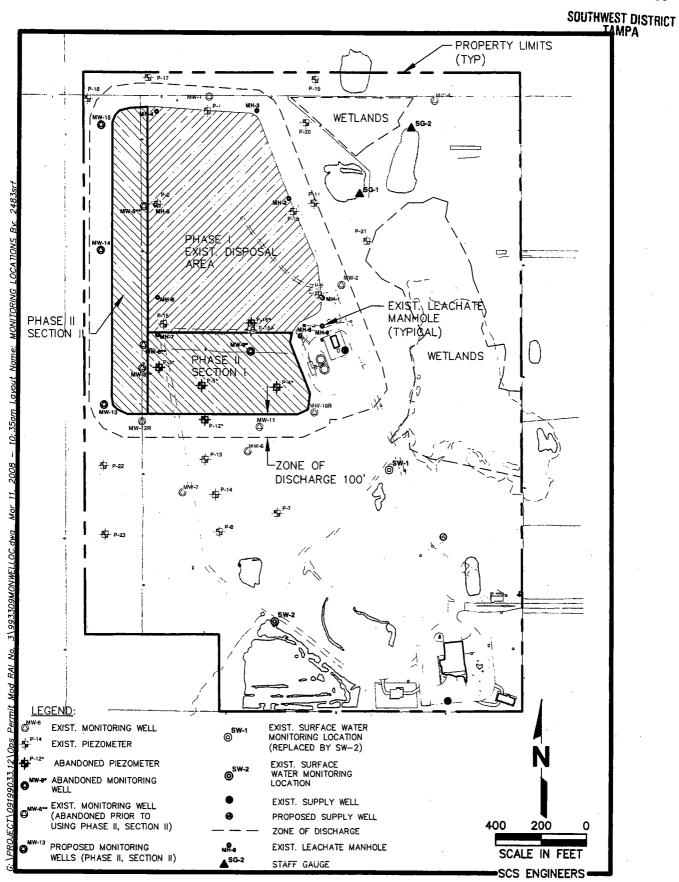


Figure M—1. Hardee County Solid Waste, Groundwater, Surface Water, and Leachate Monitoring Location Points, Hardee County, Florida.

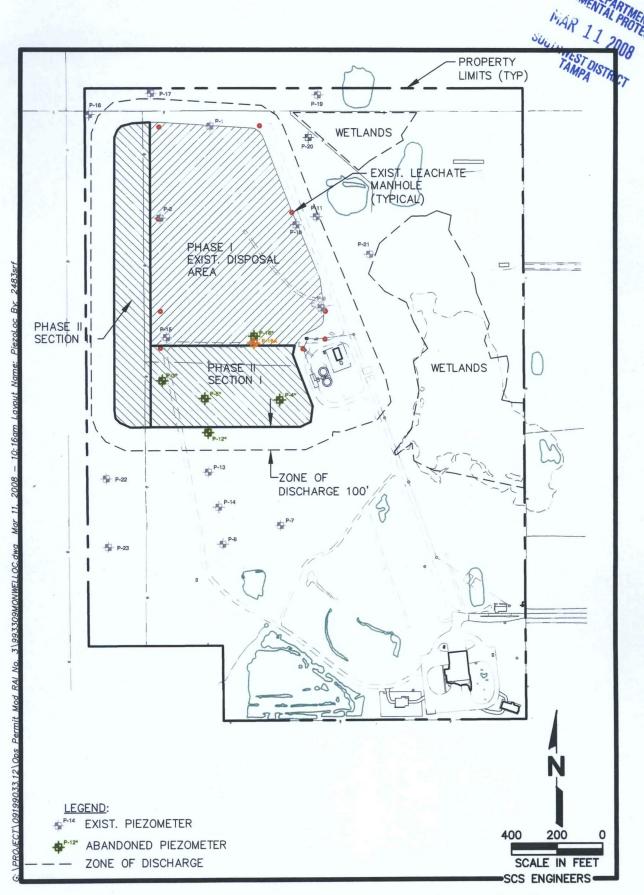


Figure M-4. Hardee County Solid Waste, Piezometer Location Map.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

JAN 30 2008

SOUTHWEST DISTRICT TAMPA

Attachment E

State of Florida Permit Application to Construct, Repair, Modify, or Abandon a Well, Monitor Well Completion Reports, Boring Logs, Well Construction and Development Logs, Groundwater Sampling Logs, As-Built Detail Drawings and Survey Information for MW-10R and MW-12R And

State of Florida Permit Application to Construct, Repair, Modify, or Abandon a Well and Well Completion Reports to Abandon Monitoring Wells MW-10 and MW-12

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest ☐ Northwest

☐ St. Johns River

☐ South Florida

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 770274	_
Florida Unique I.D	
Permit Stipulations Required (See attached)	
04	_
62-524 Quad # Delineation #	_
CUP/WUP Application No.	

_	· (<u> </u>		Application No	
1	CHECK B	OX FOR APPROPRIATE DIS	STRICT ADDRESS ON BACK OF PER	MIT FORM		ABC	OVE THIS LINNE FOR OFFIC	DIAL USE ONLY
1.	. HARDEE COUNTY BOCK		440 W 05 4 V 05 07 5					
1'	Owner, Legal Name of Entity		412 W ORANGE ST RO Addre		WAUCHUL City	A FL	33873- 0000 Zip	Telephone Number
1,	685 AIRPORT RD. N/A	•	Addre	35	City		ZIβ	reiepnone Number
۲.	Well Location _ Address, Ro		City				· · · · · · · · · · · · · · · · · · ·	
1	Parcel # (Pin)2533350							
Š								
<u>ة</u> 3.	ROSS A CHINANDER			093			(813) 655-3612	
(C)	Well Drilling Contractor		Lice	nse No.			Telephone No.	NW NE
á	12435 JESS WALDEN RO	AD		4	1/4	of	1/4 of Section 35	1 1 1
3	Address				Smullest	biggesi	(Indicate Well on Chart)	
<u>.</u>	DOVER	FL	33527	5	Township	33	Range25	
Ž	City	State	Zip					1 1 1
<u>.</u> 6.	HARDEE		· · · · · · · · · · · · · · · · · · ·				· - · · · · · · · · · · · · · · · · · ·	
	County	Subdiv	ision Name	Lot	В	lock	Unit	
-								SW SE
7.	Number of proposed wells _	2 Check th	e use of well: (See back of permit	for additional choices)		Domestic	: Monitor (type)	
1	(See Back) Irrigation	(Type) Public Wa	ater Supply (type)	(See Back)	List Other	PLUGGI	D	
	Distance from septic sys	tom 0	ft Description of facilit		Cation		-4	1/21/2008
								1121/2005
8.	Application for:	New Construction	tion Repair/Mo	odify <u>v</u> Al	oandonme	nt NO LO	OF Abandonment)	Date Stamp
1						,	′	
9.	Estimated: Well Depth _	17	Casing Depth		Scree	en Interval	from to to	
	Casing Mater	ial: XXXXXXX / X X	I / <u>PV</u> C Casing Diamet	ter2	Seal	Material_	Cement	
hо.	If applicable: Proposed	From 0	to 17 Seal Ma	smallest terial Cement			Received: Wednesday	lanuary 16 2008
	Grouting Interval		to Seal Ma					y, January 10, 2000
	Globing Interval				_			
1			_ to Seal Ma	torial		v a mao oi wi	Il location and indicate well	site with an "X" identify kno
					road	s and landma	ell location and indicate well arks: provide distances betw	site with an "X" identify kno en well and landmarks.
1 1			ck one) Diameter		road	s and landma	ell location and indicate well trks: provide distances betw North	site with an "X" identify kno en well and landmarks.
i	Blk-Steel / Galvanized / P				road	s and landma	rks: provide distances betw	site with an "X" identify kno en well and landmarks.
12.		VC Other (s	specify:)		road	s and landma	nrks: provide distances betw North	en well and landmarks.
12.	Method of Construction:	VC Other (s	specify:) Cable Tool	Combination	road	s and landma	rks: provide distances betw North TH TO WAUCHULA TO	en well and landmarks.
	Method of Construction:	VC Other (s Rotary Other (specify	specify:) Cable Tool y:)Plugged by approved m	Combination	road	S and landma	North TH TO WAUCHULA TO ES TO AIRPORT ROAL	en well and landmarks. O SR-64 D NORTH
	Method of Construction:	VC Other (s Rotary Other (specify	specify:) Cable Tool y:)Plugged by approved m	Combination	L E	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. (Method of Construction: Auger	VC Other (s Rotary Other (specify on site 40. List	specify:)Cable Tool y:)Plugged by approved mumber of unused wells	Combination nethod	L E	S and landma US-17 SOU EAST 2 MIL MILE TO S	North TH TO WAUCHULA TO ES TO AIRPORT ROAL	en well and landmarks. O SR-64 D NORTH
13. (Method of Construction:	NC Other (s Rotary Other (specifi on site 40 List	specify:) Cable Tool y:) Plugged by approved in number of unused wells on the owner's continuous	Combination nethod on site0	L E I I I SO N	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I 14. I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water	NC Other (s Rotary Other (specified on site 40. List or water withdrawal by Use Permit (CUPA)	specify:) Cable Tool City:) Plugged by approved mumber of unused wells on the owner's contiguous WUP) or CUP/WUP Applic	Combination nethod on site 0 property covered ation? No	road	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I 14. I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water (IF YES, COMPLETE THE FOLLO	Rotary Other (specific on site 40 List or water withdrawal vuse Permit (CUP/Nowing) CUP/WUP to the control of the curve of the cu	specify:) Cable Tool City:) Plugged by approved mumber of unused wells on the owner's contiguous WUP) or CUP/WUP Applic	Combination nethod on site 0 property covered ation? No	road	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I 14. I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water	Rotary Other (specific on site 40 List or water withdrawal vuse Permit (CUP/Nowing) CUP/WUP to the control of the curve of the cu	specify:) Cable Tool City:) Plugged by approved mumber of unused wells on the owner's contiguous WUP) or CUP/WUP Applic	Combination nethod on site 0 property covered ation? No	road	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I 14. I I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water (IF YES, COMPLETE THE FOLLO	Rotary Other (specific on site 40 List or water withdrawal vuse Permit (CUP/Nowing) CUP/WUP to the control of the curve of the cu	specify:) Cable Tool Cable T	Combination nethod on site 0 property covered ation? No	road	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water (IF YES. COMPLETE THE FOLLO District well I.D. No. Latitude 27° 34′ 9.96"	Rotary Other (s Other (specific on site _40 List or water withdrawal Use Permit (CUPA) OWING) CUP/WUP (Supplement)	specify:) Cable Tool Cable Tool Plugged by approved in number of unused wells on the owner's contiguous WUP) or CUP/WUP Applic No. B1° 46' 55.73"	Combination nethod on site0 s property covered ation?No	Yes	S and landma US-17 SOU EAST 2 MIL MILE TO S	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAI SITE. SITE IS COUNTY	en well and landmarks. O SR-64 D NORTH
13. I	Method of Construction: Auger Indicate total No. of wells Is this well or any other well under a Consumptive/Water (IF YES. COMPLETE THE FOLLO District well I.D. No. Latitude27° 34′ 9.96″ Data obtained from GPS	PVC Other (start Rotary Other (specific on site 40 List or water withdrawal Description CUP/WUP (swing) CUP/WUP (CUP/WUP (swing) CUP/	specify:) Cable Tool Y:) Plugged by approved in number of unused wells on the owner's contiguous WUP) or CUP/WUP Applic No. e81° 46' 55.73" urvey (map datum	Combination nethod on site0 s property covered ation?/_No	Yes 83)	S and landma	INST: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAL SITE. SITE IS COUNTY SIDE OF ROAD. South	en well and landmarks. SR-64 D NORTH LANDFILL
13. I	Method of Construction: Auger	PVC Other (s Rotary Other (specific on site 40 List or water withdrawal r Use Permit (CUP/NUP to the company of the company or site applicable rules of Title 40, echarge permit, if needed, heading to the company of the compan	cable Tool Cable	Combination nethod on site0 s property covered ation?/_ No NAD 27 NAD a	Yes Sowner of the p	JS-17 SOU EAST 2 MIL MILE TO 3	Iths: provide distances between North TH TO WAUCHULA TO ES TO AIRPORT ROAD SITE. SITE IS COUNTY SIDE OF ROAD. South	P SR-64 D NORTH LANDFILL O, and that I am aware of my
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Hydrologist Approval Initials Approval Granted By: Automatically issued Issue Date: 1/16/2008 Owner Number: . Fee Received: \$ _.00 __ Check No.: ___ ___ Receipt No.; _____

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. This permit is valid for 90 days from the date of issue.

FORM 41.10 - 410 (1) REV. 12/04

WHITE: YELLOW: ORIGINAL FILE DRILLING CONTRACTOR

PINK:

OWNER

	ETION REPOR	•	• • •	OWNER'S NAME:	HARDEE (COUNTY	/ BOCC			
PERMIT #: 77027	4.2 CUP/WUP#: of wells drilled/aband	DID	#:	COMPLETION DATE: 01/22/2008 Florida Unique I.D.:						
Indicate the number	of wells drilled/aband of wells permitted but	oned for this report: _	od that are being	Parcel # (Pin):2533350000065500000						
cancelled:	•	i fiot utilieu/abariuorie	tu that are being	WELL USE:	t r		I 1Daniel I 1Marita			
WATER WELL CON							n []Domestic []Monitor GED			
	itally Signed	license # 1	1093	DRILL METHOD:	TION M OTHE	PLUG	3EU .			
	mation provided in th				ary [] Cable To	ool [] Combination			
Grout		From (ft.)	To (ft.)	[] Jet	j] Auger	Other <u>Plugged</u>			
Neat Cement:	0.5	0	17	Measured Static Water Level: 7.00 Measured Pumping Water Level:						
Bentonite:				Which isft. [GPW. Labove IX II	ivieas pelow land s	surface			
(Other)				Casing: [] Black Ste	eel [] Galva	anized 🕽	() PVC [] Other:			
WELL LOCATION: (County Hardee			[] Open Hole	Dep		DRILL CUTTINGS LOG			
1/4 of	1/4 of Section <u>3</u>	35, Township <u>3</u>	3_, Range <u>25</u>	[] Screen	(fee	∋t)	Examine cuttings every 20 ft. or at formation changes. Note cavities,			
Latitude: 27° 34' 9).96" , l	55.73"	Casing Diameter	Γ	То	depth to producing zones.				
DATE ST	AMP	Sketch of well loca	tion on property	and Depth (ft.)	From	10	Color Grain Size Type of Material			
Jan 23 2008	,			Diameter: 2	Plugged by a	poroved met	hod			
Jan 23 2000	'			From: 0						
				To:17						
				Diameter:						
Official Use	Only			From:						
				To:						
CHEMICAL ANALYSIS				Liner[] or						
Iron:ppm Si				Casing []						
Chlorides: ppn		Give distances from sep	stic tank and house or	Diameter: From:						
Conductivity [] Lab Test [arring Or Orri	other refere		To:						
Pump Type	Ji leid rest kit									
[] Centrifugal [] Jet [] Submersi	ble [] Turbine		MW-10						
Horsepower:	Capacity:	GPM:	_	WWY-10	.234./					
Pump Depth:	Capacity: ft. Intake Dept	h:ft.		<u></u>						
Form LEG-R.005.00(1	0/05)			Driller's Name (print or	type): <u>GREG</u>	WAXEL				

.

WELL COMPL	ETION REPOR	RT (Please complete	in black ink or type.)						
					HARDEE COUNT				
Indicate the number	of wells drilled/aband	DID doned for this report: _	1	COMPLETION DATE: 01/22/2008 Florida Unique I.D.:					
Indicate the number	of wells permitted bu	t not drilled/abandone	ed that are being	Parcel # (Pin): 25	333500000655000	000			
cancelled:					dic Supply 1 Urrigation	on [] Domestic [] Monitor			
WATER WELL CON				[] Inje	ction X Other PLUC	GFD			
SIGNATURE Dig	itally Signed	License #1_	1093	DRILL METHOD:					
		is report is accurate a	and true.	[] Rota	ary [] Cable	Tool [] Combination			
Grout	No. of Bags	From (ft.)	To (ft.)	[] Jet	[] Auger	X) Other Plugged			
Neat Cement:	0.3	0	12	Measured Static Wat	ter Level: 7.00 Me	asured Pumping Water Level:			
Bentonite:				Aileinours at _	GPM. Me	asuring Pt. (Describe): GROUND SUF			
(Other)				Casing: [] Black Ste	above X) below land eel [] Galvanized	Notation Surface Surface [] Other:			
WELL LOCATION: ([] Open Hole	Depth	DRILL CUTTINGS LOG			
1/4 of	1/4 of Section 3	35, Township <u>33</u>	B, Range <u>25</u>	[] Screen	(feet)	Examine cuttings every 20 ft. or at			
Latitude: 27° 34' 9	<u>).96"</u> , L	ongitude: <u>-81° 46'</u>	<u>55.73"</u>	Casing Diameter	 	formation changes. Note cavities,			
DATE STA	AMP	Sketch of well locat	ion on property	and Depth (ft.)	From To	depth to producing zones. Color Grain Size Type of Material			
Jan 23 2008			ion on property	Diameter: 2		- 			
Juli 20 2000	'			From:0	Plugged by approved me	ethod			
				To:12					
				Diameter:					
Official Use	Only			From:					
				To:					
CHEMICAL ANALYSIS V				Liner[] or					
Iron:ppm Su Chlorides:ppm				Casing []					
Conductivity		ive distances from septi	c tank and house, or	Diameter:					
[] Lab Test []		other reference		From: To:					
Pump Type	L.,								
[] Centrifugal []	Jet [] Submersib	le [] Turbine		MW-12	· · · · · · · · · · · · · · · · · · ·				
norsepower:	Capacity: ft. Intake Depth	GPM:							
Form LEG-R.005.00(10	п. ппаке Бертп //05)	π.		Dalla - Al.	\ CDEC !!!!				
- 1	•			Driller's Name (print or ty	/pe): GREG J WAXEL				

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OF T	E STAN
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1750	WE TRUS

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest ☐ Northwest

THIS FORM MUST BE FILLED OUT COMPLETELY.

☐ St. Johns River☐ South Florida

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 770272	
Florida Unique I.D.	
Permit Stipulations Required (See attached)	
23, 39	
62-524 Quad #Delineation #	
CUP/WUP Application No.	11.5
ADONE THIS LINE COD OFFICIAL HEE ONLY	

	The state of the s	Suwannee Riv		SS ON BACK OF PERMIT F	ORM			R Application No		
	HARDEE COUNTY BO			ORANGE ST ROOM	103	WAUCH	ULA FL	33873- 0000		
	Owner, Legal Name of Er	ntity if Corportation	on	Address		City		Zip	Telephone Numb	er
	685 AIRPORT RD, N/									
	Well Location _ Address,		•							
	Parcel # (Pin)25333	3300000003300	3000							
3.	ROSS A CHINANDER			11093	}			(813) 655-3612		
	Well Drilling Contractor			License				Telephone No.	NW	ΝE
	12435 JESS WALDEN	ROAD				4 .	1/4 =1	1/4 of Continu		i
	Address					anolesi	biggest	1/4 of Section35	·	7 -
	DOVER	FŁ		33527		5 Townshir	33	Range25		!
	City	State		Zip		O. 1044113111	, <u>==</u>			7~
3.	HARDEE	1		1	i	1		1		ـ اـ
	County	' 	Subdivision Name		Lot	······	Block	Unit	1 1	j l
									SW	SE
		ion (Type) Pu	ublic Water Suppl	y (type)	e Back)	List Oth	er	***************************************	·	
								rt of construction date	1/16/2008	
3	Application for:	New Co	onstruction	Repair/Modif	у	Abandonn	nent	on for Abandonment)	Date Stamp)
								i		
). E	Estimated: Well Deptl	h20		Casing Depth	5	Scr	een Interv	ral from 5 to 20		
	Casing Ma	aterial: XXXXX	(2401/062461/ <u>PV</u> C	Casing Diameter	2	Sea	al Material	Cement		
) I	If applicable: Proposed							Received: Wednesda	y, January 16, 20	008
'	• •									
	Grouting Interva			Seal Materi			raw a map of	well location and indicate well		tilv kn
		From 3	3 +∽ 20		⊸i Sand					
	Talana Cari						oads and land	marks: provide distances betw		
	Telescope Casing	_ or Liner	(check one) [Diameter		re	pads and land	Imarks: provide distances betw North		
	BUX-X5x6el/X90000000000000	or Liner	(check one) [Other (specify:)_	Diameter				marks: provide distances betw North	ven well and landmar	
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THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. This permit is valid for 90 days from the date of issue.

WHITE: YELLOW: PINK: ORIGINAL FILE DRILLING CONTRACTOR OWNER

PERMIT #: _77027	2.1 CUP/WUP#: of wells drilled/abanc of wells permitted bu	?T (Please complete in the	#:	OWNER'S NAM COMPLETION I Parcel # (Pin): = WELL USE: [
WATER WELL CON SIGNATURE <u>Dig</u> I certify that the info	itally Signed	License # <u>11</u> nis report is accurate a	093 nd true.	[DRILL METHOI [
Grout	No. of Bags	From (ft.)	To (ft.)]
Neat Cement:	1	0	5	Measured Stat
Bentonite:				Which is
(Other)	8	5	20	Casing: [] Bla
1/4 of	County Hardee1/4 of Section 9.8"	35, Township <u>33</u> Longitude: <u>-81° 46'</u>	3_, Range_25 55.96"	[] Open Hole [] Screen
Jan 23 2008	3	Sketch of well locat	and Depth (ft.) Diameter: 2 From: 0 To: 5 Diameter: From:	
CHEMICAL ANALYSIS Iron:ppm S Chlorides:ppi Conductivity [] Lab Test [Pump Type [] Centrifugal [Horsepower:	when required ulfate:ppm mg/l umhos/cm] Field Test Kit] Jet [] Submers Capacity:ft. Intake Dep	GPM:	nce points	Liner M or Casing [] Diameter: 2 From: 5 To: 20 MW-10R Driller's Name (p

OWNER'S NAME: H	ARDEE COUN	TY BOCC							
COMPLETION DATE:	OMPLETION DATE: <u>01/22/2008</u> Florida Unique I.D.:								
Parcel # (Pin):253	335000 <u>006550</u>	0000							
VELL USE: [] Public [] Injecti	Supply [] Irrigation [X] Other OBS	ation [] Domestic [] Monitor SERVATION OR MONITOR WE							
Which is ft []:	ahove MYIbelow la	Measured Pumping Water Level: 20.00 Measuring Pt. (Describe): GROUND SUR and surface PVC [] Other:							
[] Open Hole [] Screen	Depth (feet)	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities,							
Casing Diameter and Depth (ft.)	From To	depth to producing zones. Color Grain Size Type of Material							
Diameter: 2	0 10 brown very	fine sandy clay							
From: 0 To: 5	10 12 brown fine	sand							
10	12 20 gray soft cla	эү							
Diameter: From: To:									
Liner X or Casing [] Diameter: 2 From: 5 To: 20									
MW-10R									
Driller's Name (print or ty	/pe): GREG J WAXE	L							

ETION REPO	RT (Please complete	in black ink or type.)			
72.2 CUP/WUP	#: חוח	#·			
of wells drilled/aba	ndoned for this report:	1			
of wells permitted i	out not drilled/abandone	ed that are being		<u>33350000</u>	06550
·		•		lio Cupply	Г 1 Іншіш
TRACTOR'S			[] Publ	rtion M Othe	[]IMIG er∩D
itally Signed	License # <u>1</u>	1093	DRILL METHOD:	non M our	o <u>OB</u>
rmation provided in	this report is accurate a	and true.	[] Rota	ıry	[]Cab
No. of Bags	From (ft.)	To (ft.)	[] Jet		💢 Aug
1	0	5	Measured Static Water	er Level: <u>7.00</u>	
					!
8	5	20	Casing: [] Black Ste	above [X] el [1Galv	below la anized
		20			
1/4 of Section	35 Township 33	Pango 25			
).8"	. Longitude: -81° 46'	55.96"		(10	
				From	То
AMP	Sketch of well locat	ion on property	and Depth (ft.)		
			Diameter: 2	0 10 bro	wn verv
			From:U		
			10;5	1	
			Diameter:		
Only			From:		
			10:		
			Liner X or		
			Casing []		
umhos/cm			From: 5		
Field Test Kit	other reference	ce points	To:20		
lat 1.0 observe	" t 1 =				
Jet [] Submers	Sible [] Lurbine		MW-12R		
ft. Intake Der	GFIVI				
/05)			Driller's Name (print or tv.	ne): GREG J	WAXEL
	72.2 CUP/WUP of wells drilled/aba of wells permitted in ITRACTOR'S itally Signed rmation provided in No. of Bags 1 8 County Hardee 1/4 of Section 0.8" AMP Only VHEN REQUIRED Ifate:ppm 1 TDSmg/l umhos/cm Field Test Kit Jet [] Submers Capacity: ft. Intake Dep	of wells drilled/abandoned for this report: of wells permitted but not drilled/abandone ITRACTOR'S itally Signed	ITRACTOR'S itally Signed	COMPLETION DATE: Complete the part of wells drilled/abandoned for this report: 1 1 1 1 1 1 1 1 1 1	Y2.2 CUP/WUP#: DID#: of wells drilled/abandoned for this report: 1 of wells permitted but not drilled/abandoned that are being COMPLETION DATE: ITRACTOR'S itally Signed License # _11093 ITRACTOR'S itally Signed License # _11093 ITRACTOR'S itally Signed License # _11093 ITRACTOR'S itally Signed To (ft.) No. of Bags From (ft.) To (ft.) 1 0 5 0 5 0 5 0 5 0 4 0 5 0 5 0 4 0 5 0 4 0 5 0 20 0 4 0 5 0 20 0 4 0 4 0 5 0 4 0 5 0 4 0 4 0 5 0 4 0 5 0 4 0 5 0 4 0 5 0 4

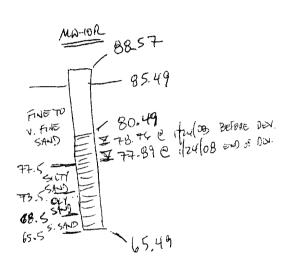
OWNER'S NAME:		
COMPLETION DATE	: <u>01/22/2008</u>	Florida Unique I.D.:
Parcel # (Pin):253	<u>3335000006550</u> 0	0000
WELL USE:	Sa Original F. 1 Inc.	
[] Pubi	ic Supply [] irriga	ation [] Domestic [] Monitor
DRILL METHOD:	YOU M OTHER OBS	SERVATION OR MONITOR WE
	ırv [1Cabl	e Tool [] Combination
[]Jet	X Auge	F [] Other
Measured Static Water	·	leasured Pumping Water Level: 20.00
AfteroHours at 2.0	<u>00 GPM. </u>	easuring Pt. (Describe): GROUND SUR
Which isft. []	above 🔀 below lar	nd surface
Casing: [] Black Ste	el [] Galvanized	
[] Open Hole	Depth	DRILL CUTTINGS LOG
[]Screen	(feet)	Examine cuttings every 20 ft. or at
Casing Diameter		formation changes. Note cavities,
and Depth (ft.)	From To	depth to producing zones.
		Color Grain Size Type of Material
Diameter: 2	0 10 brown very fir	ne sandy clay
From: <u>0</u> To: <u>5</u>	10 12 brown fine sa	and
10	12 20 gray soft clay	,
Diameter:		
From: To:		
10		
Liner X or		
Casing []		
Diameter: 2 From: 5		
To:20		
MW-12R		
		·

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No

Florida Department of Environmental Protection Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

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DATE: January 22, 2008	
INSTALLATION NAME: Hardee County Landfill	
DEP PERMIT NUMBER: SWWMD Permit No. 770272.	.1 GMS NUMBER:
WELL NUMBER: MW-10R	WELL NAME: Replacement compliance well MW-10R
DESIGNATION: Background	Immediate ComplianceX
LATITUDE/LONGITUDE: 27° 34'9.8" 81° 46'55.96"	,
AQUIFER MONITORED: Surficial	
INSTALLATION METHOD: Hollow Stem Auger	
INSTALLED BY: Well Drilling Contractor: Ross A. Chin	nander, National Environmental Technology, Inc.
TOTAL DEPTH: 20 feet (bls)	DEPTH OF SCREEN: 20 feet (bls)
SCREEN LENGTH: 15 feet	SCREEN SLOT SIZE: 0.006 SCREEN TYPE: SCH 40 PVC
SING DIAMETER: 2-inch	CASING TYPE: SCH 40 PVC
LENGTH OF CASING: 8 feet	FILTER PACK MATERIAL: 30/65 sand
TOP OF CASING ELEVATION (MSL): 88.57' NGVD	
GROUND SURFACE ELEVATION (MSL): 85.49' NGVD	
COMPLETION DATE: January 22, 2008	
DESCRIBE WELL DEVELOPMENT: Well set at 10:55 c	on 1/22/08. Begin well development using surge and pump method with a centrifugal pump at
11:29. Stop development at 12:32, turbidity of recovered water	ter is at 4.34 NTUs. Recover approximately 90 gallons over a 70 minute period Maximum
drawdown during development is 17 feet below top of casing.	Remobilize to the site on 1/24/08 to re-develop wells and collect stabilization parameters.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL):_	10.68 feet below top of casing (post stabilization parameter collection)
DATE AND TIME MEASURED: 1/24/08 at 14:40	
REMARKS: (soils information, stratigraphy, etc.): land st	surface to 8 feet: brown fine to very fine sands, 8 feet to 12 feet: brown fine to very fine sands
with silts, 12 to 15 feet: light gray clay with trace sands, 15 to 1	17 feet: light brown clayey sands, 17 to 20 feet very light gray silts with sands.
Final stabilization parameters: pH 4.91, temperature 24.11 °C,	, conductivity 27 μ mhos/cm, dissolved oxygen 0.26 mg/L, turbidity 2.29 NTU.
REPORT PREPARED BY: Beau Beabe, Nodarse & Associate	es, Inc., 407-383-1077 (name, company, phone number)



DEP Form # 62-522.900(3)	
Form Title MONITOR WELL COMPLETION REPORT	
Effective Date	_
DEP Application No.	

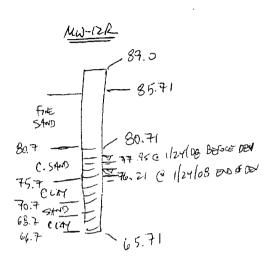
Florida Department of Environmental Protection Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

MONITOR WELL COMPLETION REPORT

DATE: January 22, 2008							
INSTALLATION NAME: Hardee County Landfill							
DEP PERMIT NUMBER: SWWMD Permit No. 770272.2	· · · · · · · · · · · · · · · · · · ·	GMS NU	MBER:				
WELL NUMBER: MW-12R	WELL N	AME:	Replacement	t complian	ce well MW-12	R	
DESIGNATION: Background	Immediate				Compliance	x	-
LATITUDE/LONGITUDE: 27° 34'9.8" 81° 46'55.96"							
AQUIFER MONITORED: Surficial							
INSTALLATION METHOD: Hollow Stem Auger						<u> </u>	
INSTALLED BY: Well Drilling Contractor: Ross A. China	ınder, National E	nvironment	al Technology,	Inc.			
TOTAL DEPTH: 20 feet (bls)	DEPTH ((bls)	OF SCREE	N:	20 fee	<u>t</u>	-	
SCREEN LENGTH: 15 feet	SCREEN SLOT	SIZE:	0.006		SCREEN TY	PE:	SCH 40 PVC
SING DIAMETER: 2-inch		CASING	TYPE:	SCH 40 F	PVC		
LENGTH OF CASING: 8 feet		FILTER F	ACK MATERIA	AL:	30/65 sand		
TOP OF CASING ELEVATION (MSL): 89.00' NGVD							
GROUND SURFACE ELEVATION (MSL): 85.71' NGVD							
COMPLETION DATE:January 22, 2008				-			
DESCRIBE WELL DEVELOPMENT: Well set at 12:56 or	n 1/22/08. Begin	well devel	opment using s	urge and	oump method w	vith a cen	trifugal pump.
at 14:31. Recovered water is at 50 NTU's at 15:27 and stop dev	elopment, unable	to get less	than 50 NTUs	s. Recove	r approximately	45 gallor	ns over 56
minutes. Well purged dry during well development. Remobilize	e to the site on 1/	24/08 to re	develop wells a	and collect	stabilization pa	arameters	S
POST DEVELOPMENT WATER LEVER ELEVATION (MSL):	12 79 feet h	elow top o	f casing (nost s	etahilizatio	n narameter co	lloction)	
DATE AND TIME MEASURED: 1/24/08 at 15:12			r ddding (post s	-	n parameter con	ilection)_	
REMARKS: (soils information, stratigraphy, etc.): land sur	rface to 5 feet: br	own fine sa	and with silts, 5	feet to 7	feet: light browr	n clay with	n fine sands,
7 to 10 feet: brown clayey sands, 10 to 15 feet: light brown clay,	soft, 15 to 17 fee	et: light brow	wn fine sands v	vith little c	ay, 18 to 20 fee	et: blue gr	reen clay, tight.
Final stabilization parameters: pH 5.02, temperature 24.02 °C, c	conductivity 102	umhos/cm	, dissolved oxy	gen 1.38 r	ng/L, turbidity 5	5.13 NTU.	
DEDOOT DDEDADED DV. Door Doobs Noders &	la 407 005						
REPORT PREPARED BY: Beau Beabe, Nodarse & Associates			phone number	r)		<u> </u>	

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface



												ge i oi	
Boring/Well 1	Number	r:			Perm	nit Number:				FDEP Identi	ificatio	n Num	iber:
	W,	W-10R					SWF	WMD: 770272-1			7	258079	
Site Name:					Borel	hole Start I	Date:	01/22/08	Borehole Start	Time:	9:45	V	AM PM
На	rdee C	County La	andfill			End D	Date:	01/22/08	End 7	Гіте: 1	0:55	Ø,	AM PM
Environmenta					Geol	ogist's Nan	ne:			Environmen			
		Associate				· • (:	1 \.	N/A		ln-		J. Bea	
Drilling Comp National E	-	chnology		Paveme		ickness (ind N/A	ches):	Borehole Diam	neter (inches): 8	Boi	rehole l	-	(feet): 20
Drilling Meth				t Boreho		W (in feet	$ \frac{1}{N}$			OVA (list m	odel ar		
Hollow S		uger	1	il moistu			- 1	water recharges in	`	N/A			FID PID
Disposition of	f Drill (Cuttings [check m	ethod(s))]:	Г	Orum	☑ Spread	Backfill	Stock	kpile		Other
(describe if ot					-						•		
Borehole Con		-				☐ Grou	ıt .	Bentonite	Backfil	I [Other (describ	ne)
Doronois Co	рис	1 (oneon o	110).	Paine:	*****	F	•	 : ~ 	•	Percent -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4000	~)
	[-									-		-	Lab Soil and
San Int Sa	Sample Recovery (inches)	(per	Unfi	E		ן קֻ		~ ,			UŞ	Moisture	Groundwater
Sample Depth Interval (feet) Sample Type	ple Reco (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	line	Sample lude grain size bas	Description sed on USCS, odo	etaining	USCS Symbol	ture	Samples (list
De le T	Reco	Blov	ed (0 0	1,40	[fee	(me		sed on USCS, odo her remarks)	rs, staining,	Sym	S.	sample number and depth or
pth eet) ype) ver	√s hes)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V A	-	<u> </u>			•		bol	Content	temporary screen
	۸.	<u> </u>			<u> </u>	<u> </u>						=	interval)
					'	1	Browi	n fine to very fine s	sand				
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Page 2 of Boring/Well Number: FDEP Facility Identification Number: Borehole Start Date: Site Name: 01/22/08 MW-10R 758079 Hardee County Landfill End Date: 01/22/08 Lab Soil and Sample Recovery Moisture Content Sample Depth Interval (feet) SPT Blows (per six inches) Unfiltered OVA Filtered OVA Sample Type USCS Symbol Depth (feet) Groundwater **Net OVA** (inches) Sample Description Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) Light gray clay with trace sands 13 14 Light brown clayey sands 15 16 Very light gray silts with sands 18 19 20 End of Boring 20 feet 21 22 23 24 25 26 27 28 29 30

		Page 1 of 2
Boring/Well Number:	Permit Number:	FDEP Identification Number:
MW-12R	SWFWMD: 770272-2	758079
Site Name:	Borehole Start Date: 01/22/08 Borehole Start Ti	ime: 1300
Hardee County Landfill	End Date: 01/22/08 End Ti	ime: 1350
Environmental Contractor:	Geologist's Name:	Environmental Technician's Name:
Nodarse & Associates, Inc.	N/A	Beau J. Beaube
Drilling Company: Paven National Env. Technology, Inc.	ent Thickness (inches): N/A Borehole Diameter (inches): 8	Borehole Depth (feet):
	<u></u>	OVA (list model and check type):
Hollow Stem Auger from soil moist	,	N/A FID FID
Disposition of Drill Cuttings [check method(s)]:	Stockpile Other
(describe if other or multiple items are checke	, , , , , ,	
Borehole Completion (check one):	Well Grout Bentonite Backfill	Other (describe)
		(describe)
Filtered OVA Unfiltered OVA SPT Blows (per six inches) Sample Recovery (inches) Sample Depth Interval (feet) Sample Type	Sample Description (include grain size based on USCS, odors and other remarks)	Lab Soil and Groundwater Samples (list
ed OVA Blows inches) Recovery hes) Depth al (feet)	(include grain size based on USCS, odors and other remarks)	s, staining, Symbol Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	Brown fine sand with silts 1 2 3 4 Light brown clay with trace sands 5 6 Brown clayey sands (moist) 7 8 9 Light brown clay, soft 10 11	
	12	

Page 2 of Boring/Well Number: FDEP Facility Identification Number: Site Name: Borehole Start Date: 01/22/08 MW-12R 758079 Hardee County Landfill End Date: 01/22/08 Sample Recovery
(inches) Lab Soil and Moisture Content Sample Depth Interval (feet) Unfiltered OVA (per six inches) Sample Type Filtered OVA USCS Symbol Depth (feet) Groundwater SPT Blows Net OVA Sample Description Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) Light brown clay (soft), continued 13 14 Light brown fine sands with little clay 16 Blue green clay, tight 18 19 End of Boring 20 feet 22 23 24 27 28 30

WELL CONSTRUCTION AND DEVELOPMENT LOG

		V	VELL (CONST	RUCT	ION	DATA					
Well Number:	Site Nan	ne:					FDEP Fac	ility I.E). Numbe	er: Well	Install	Date(s):
MW-10R			dee Cour	nty Landfi	ill			7580	79		1/2	22/08
Well Location and Type (check a			Well Pu	rpose:	Perche	d Moni	toring			Well Insta	ll Meth	nod:
	Right-of-	Way		Ī	▼ Shallov	v (Wate	er-Table) Mo	onitorir	ıg	Holl	ow ste	m auger
Off-Site Private Property							or Deep Mon	_				
***************************************	Flush-to-	Grade		Γ	Remed	iation o	or Other (des	cribe)		Surface C	rface Casing Install Method:	
If AG, list feet of riser above land su		ls	<u></u>	T							N/A	\
Borehole Depth Well D			Diameter	1	Diameter		Well Pad S					
(feet): 20 (feet):	20	(inches):	8	(inches):		8	ļ			by 2	_ feet	
Riser Diameter and Material:		er/Screen nnections:	•	-Threaded			Riser Leng	gth:		eet		
2-inch SCH 40 PVC		inections.	Other	(describe)				from	+3	feet to	5_	feet
Screen Diameter and Material:			Screen S	Slot Size:			Screen Ler	ngth:	15f	eet		<u> </u>
2-inch SCH 40	PVC			0.00	06			from	5	feet to	_20	feet
1 st Surface Casing Material:	1	V/A	1 st Surfa	ce Casing	I.D. (inc	nes):	1 st Surface	Casing	Length:		feet	
also check: Permanent	T Te	mporary						from	0	feet to		feet
2 nd Surface Casing Material:		V/A	2 nd Surfa	ace Casing	g I.D. (inc	hes):	2 nd Surface	Casing	g Length:	·	feet	
also check: Permanent	Г Те	mporary						from	0	feet to		feet
3 rd Surface Casing Material:		V/A	3 rd Surfa	ce Casing	I.D. (inc	hes):	3 rd Surface	Casing	Length:	<u></u>	feet	
also check: Permanent	Ter	трогагу						from	0	feet to		feet
Filter Pack Material and Size:	Prepacke	d Filter Ar	ound Scree	en (check	one):		Filter Pack	Length	1:	_18	feet	
30/65 Sand	☐ Ye	S	▽ N	o				from	2	feet to	20	feet
Filter Pack Seal Material and							Filter Pack	Seal L	ength:		_ feet	
Size: included above								from		feet to		feet
Surface Seal Material:						_	Surface Sea	al Leng	th:	_ 2	feet	
Portland Type I				·				from	0	feet to	2	feet
		V	VELL I	DEVEL	OPMI	ENT I	DATA					
Well Development Date:	i		elopment N	,	neck one)	:	✓ Surge/P	ump	l Pu	ımp	Comp	ressed Air
01/22/08		Oth	er (describ	e)								
Development Pump Type (check	**	Centrifuga	l Pe	ristaltic	Depth	to Gro	undwater (b	efore d	evelopin	g in feet):		
Submersible Other (desc	ribe)				İ		10.22 fee	et belov	w top of	casing (B	TOC)	
Pumping Rate (gallons per minu	te):	Ma	ximum Dra	awdown o	f Ground	water D	Ouring	Well P	urged Di	ry (check o	ne):	
1.25		Dev	elopment	(feet):	1	7 feet	втос		Yes		No	
Pumping Condition (check one):		al Developi		r	Devel	opment	Duration	Develo	pment W	Vater Drum	med	
Continuous I Intermitter		noved (gall	_	90	(minu	tes):	70	(check	one):	ΓY	es	I ✓ No
Water Appearance (color and od	or) At Sta	art of Deve	lopment:	<u> </u>	Water Appearance (color and odor) At End of Development:							
color: bro	wn silty,	odor: non	e			color: clear (4.34 NTU's), odor: none						

	WELL CONSTRUCTION OR DEVELOPMENT REMARKS
В	egin development at 11:29
L	

WELL CONSTRUCTION AND DEVELOPMENT LOG

			WELL (ONSTR	LUCTION	DATA					
Well Number:	Site Nan	ne:				FDEP Fac	ility I.D.	Numbe	er: Well	Install	Date(s):
MW-12R			rdee Cour	ity Landfill			758079	9		1/2	22/08
Well Location and Type (ch			Well Pu	rpose:	Perched Monit	toring			Well Insta	Il Meth	nod:
	Right-of-	Way	}	V	Shallow (Wate	r-Table) M	onitoring	;	Holl	ow sta	m auger
Off-Site Private Prope					Intermediate o						
	Flush-to-	Grade			Remediation o	r Other (des	cribe)		Surrace C	face Casing Install Method:	
If AG, list feet of riser above lan		In				T				N/A	4
Borehole Depth We	-	ľ		Manhole D		Well Pad S			_		
(feet): 20 (fe		(inches):		(inches):	8	ļ. <u>.</u>			by <u>2</u>	_ feet	
Riser Diameter and Material	I _{Co}	er/Screen nnections:	•	-Threaded	Riser Leng	_		eet			
2-inch SCH 40 PV	<u></u>	micerons.	Other	(describe)		from _	+3	feet to	5	feet	
Screen Diameter and Materi	al:		Screen S	Slot Size:		Screen Ler	ngth:	15 f	eet		
2-inch SCH	I 40 PVC			0.006	;		from _	5	feet to	20	feet
1 st Surface Casing Material:		N/A	1 st Surfa	ce Casing I.	D. (inches):	1 st Surface	Casing I	Length:		feet	
also check: Permanen	t Te	emporary					from _	0	feet to		feet
2 nd Surface Casing Material:		N/A	2 nd Surfa	nd Surface Casing I.D. (inches): 2 nd Surface Casi				Length:	·	feet	
also check: Permanen	t To	emporary					from _	0	feet to		feet
3 rd Surface Casing Material:		N/A	3 rd Surfa	ce Casing I.	D. (inches):	3 rd Surface	Casing 1	Length:		feet	
also check: Permanen		1.				from _	0	feet to		feet	
Filter Pack Material and Size	e: Prepacke	d Filter A	ound Scree	en (check on	e):	Filter Pack	Length:		18	feet	
30/65 Sand	Υe	es .	▼ No	0			from _	2	feet to	_20	feet
Filter Pack Seal Material and Size: included above	i					Filter Pack	Seal Lei	ngth:		feet	
							from _				feet
Surface Seal Material: Portland Type I						Surface Sea	al Length	1:	_ 2	_ feet	
ornand Type I							from _	0	feet to	2	feet
	Nova Shateta bi wa niseoo	andria ad a miningris	Stanistii astaana tanaana	principal services and the			an and or -				
		*****	accontendent, process	.000000000 .nonga 90000.	PMENT I	DATA					
Well Development Date:			-	lethod (che		Surge/P	ump	Pu	ımp [Comp	ressed Air
01/22/08	· · · · · · · · · · · · · · · · · · ·	Otl	ner (describe	:)							
Development Pump Type (ch	* * * *	Centrifuga	al Per	ristaltic	Depth to Gro	undwater (b	efore de	velopin	g in feet):		
Submersible Other (describe)					10.25 fee	et below	top of	casing (B	TOC)	
Pumping Rate (gallons per m	unute):				Groundwater D	_		-	ry (check o	ne):	-
1.25	-	De	velopment	(feet):	23 feet l	втос	₩ Y	es		No	
Pumping Condition (check o	r	Development	Duration	Develop	ment W	Vater Drum	ımed				
Continuous Interm	(minutes): 56 (check one):					▽ No					
Water Appearance (color and		Water Appearance (color and odor) At End of Development:									
color: sil		color: white (50.2 NTU's), odor: sulfur									
	controlling, again, cook controlling								·		

WELL CONSTRUC	TION OR DEVELOP	MENT REMARKS	
Begin development at 14:31			

DEP-SOP_001/01 FS 2200 Groundwater Sampling

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Hardre	Co. La	6 Ril		SITE LC	CATION:	-der Co	. FI	<u> </u>	PROJEC	T NO.:	0048	-302A
WELL NO:	MW-				SAMPLE		1W-10R		- <u>-</u>	DATE:		z4-08	
	<u>V : Y</u>					PURG	ING DAT	A					
WELL	inches): Z	TUBING		18"	WELL S	CREEN INT	ERVAL ST	ATIC DEP	TH 9.81	PURGE	PUMP TYPE	OP	
DIAMETER (es): (TOTAL '	MELL DE	PTH - ST	Z306 feet TO	TO WATE	R) X WI	OR BAIL		<i>F1</i>	
(only fill out				23			9.81		6	1/6			ノ _{乙 gallons}
EQUIPMENT	VOLUME PL	JRGE: 1 EQI	JIP. VOL				CAPACITY		UBING LEN	IGTH) + FL	OW CELL VO	OLUME	
(only fill out it	f applicable)	~			gallør	IS + (NOTE: YSI 55 gallons/fo			= 500 mL feet) +		s (1 gallon = allons =	3,785 mL) gallons
)	IP OR TUBING	FIN DEI	AL PUMP	OR TUE	BING	PURGI	NG	PUF	GING DED AT:			VOLUME	
DEPTH IN W	VOLUME	CUMUL.	PURC		0: <i>16) (6</i> DEPTH	pH	ED AT: / 4//	CON		SOLVED	TURBIDITY	D (gallons): 5	ODOR
	PURGED	VOLUME	RAT		TO	(standard	(°C)	(µmhos/	* 1	YGEN	(NTUs)	(describe)	(describe)
	(galions)	PURGED (gallons)	(дрп	") ^v	VATER (feet)	units)		or µS/c	, I .	mg/L/ ituration)			
1428	2.50	2.50	0.2.5	10	165	6.07	24.04	130	0,451	5.3%	2.59	clear	SIGHTSIKE
1431	0.75	3.25	0.2	5 10	166	5.34	24,08	128	0.37	14,4%	3.64	deur	slightSuller
1434	0.75	4,00	0,2		0,67	5.03	24.10	128		14.3%	1.95	clear	slight S. Her
1437	0.75	4175	0.25		7,68	4,94	24.08	127		13.7%	1.99	Clear	Slightsake
1440	0.75	5.50	0.2		1.68	4.91	24.11	127		13.1%	2.29	clear	51.94K X
11170	0175		013) -			1		13,20	7 7 1	,		
				_ -					- 				
							†					l	
		<u> </u>	ļ			<u> </u>	 			-			<u> </u>
WELL CAPA	CITY (Gallons	Per Foot):	1/2" = 0.0	0102; 0.	75" = 0.0] 2; 1" = 0.04	; 1.25" = 0.06	3; 2" = 0.	16; 3" = 0.	37; 4 " = 0	.65; 5" = 1.0)2; 6" = 1.47	12" = 5.88
	IDE DIA. CAP	-				" = 0.0014;	1/4" = 0.002	6; 5/1	5" = 0.004;	3/8" = 0		• = 0.0102;	5/8" = 0.016
SAMDI ED B	Y (PRINT) /A	EEU IATION's		ISAMPI I	EB/S/ SIC	SAMP SNATURES:	LING DA		SAMPLING		1. [54]	MPLING ,	/
	au Ji	bear be/	الاللاز	OAIVII LI		SINATORES.	73		INITIATED	$_{AT:}\mathcal{N}_{/}$	A EN	DED AT: N	A
PUMP OR T DEPTH IN V		16,25		SAMPLE		lone per min	ute): 0(7		TUBING MATERIAL		REK	, ·	
	ONTAMINATIC		D	FIELD-F	ILTERED): Y 🐠		SIZE: _	μm	DUPLIC	ATE: Y	DUP. ID):
EQUIPMEN"					Equipme					EQUIP E	BLANK: Y	(N) E.B. ID:	
	MPLE CONTA	MATER	(N) T		PRESE		PLE PRESERV	nen		INTEN	DED ANALY:	SIS SA	MPLING
SAMPLE ID C	CONTAIN			OLUME		ED*	IN FIELD		FINAL pH	1	OR METHO	l l	MENT CODE
									· 				
					1	NA							
					1 1/2								
					1					ļ			
													_
5 WELL VO	5 WELL VOLUMES: REMARKS: 4ah 1. Zation Parameters only 10, k Samples placed on ice subsequent to collection												
* Samples placed on ice subsequent to collection **MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE, = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other													
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; WM = Water Level													
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify); LP = Lab Preserved NOTES: 1 The above do not constitute all of the information required by Chapter 62-160, F.A.C.													
	Stabilization (Criteria for ra	nge of va	iation of	last three	consecutive	readings (see	FS 2212		~ 000/ ~··	uniting /ccc T	abla EC 2202	2).
	pm: ± 0.2 uni	ıs remperatu	re: ± 0.2	∪ Speci	inc Cond	uctance: ±	5% Dissolved	Oxygen:	an readings	≥ ZU% sati	nation (see L	anie LO 5500.	۷),

optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

3 Standard decontamination procedures includes DI water rinse, Liquinox solution wash, DI water rinse, isopropanol, DI water final rinse, & air dry.

DEP-SOP_001/01 FS 2200 Groundwater Sampling

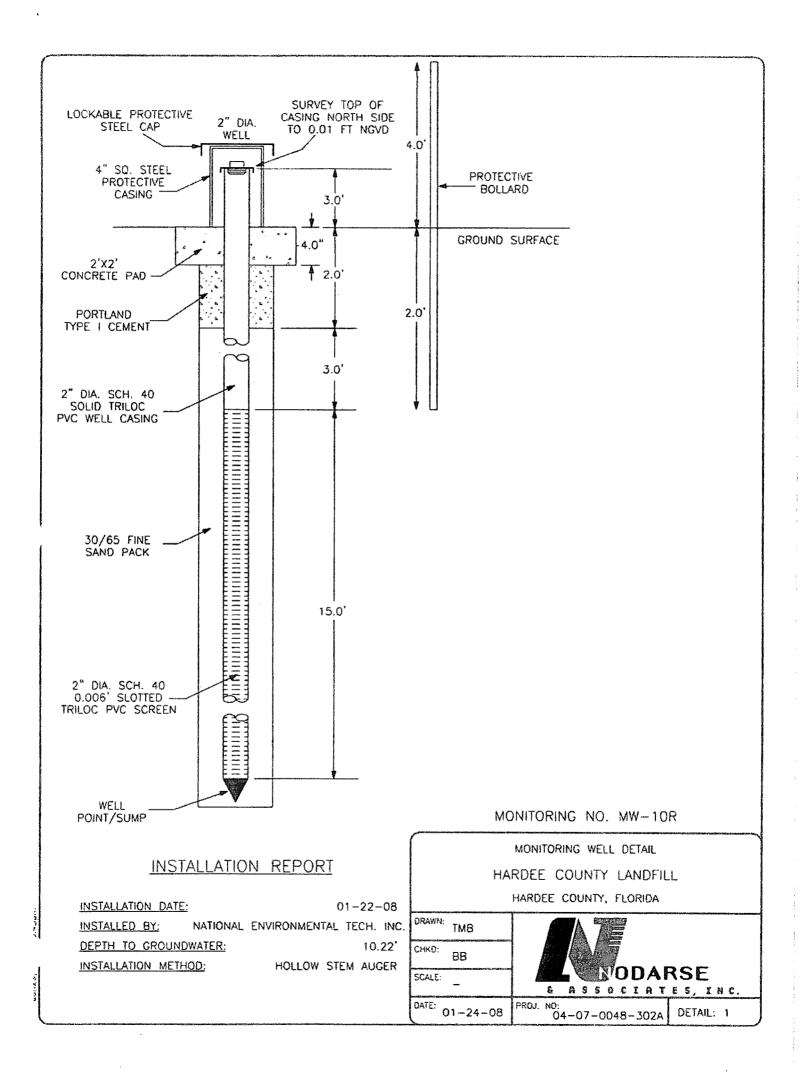
Form FD 9000-24

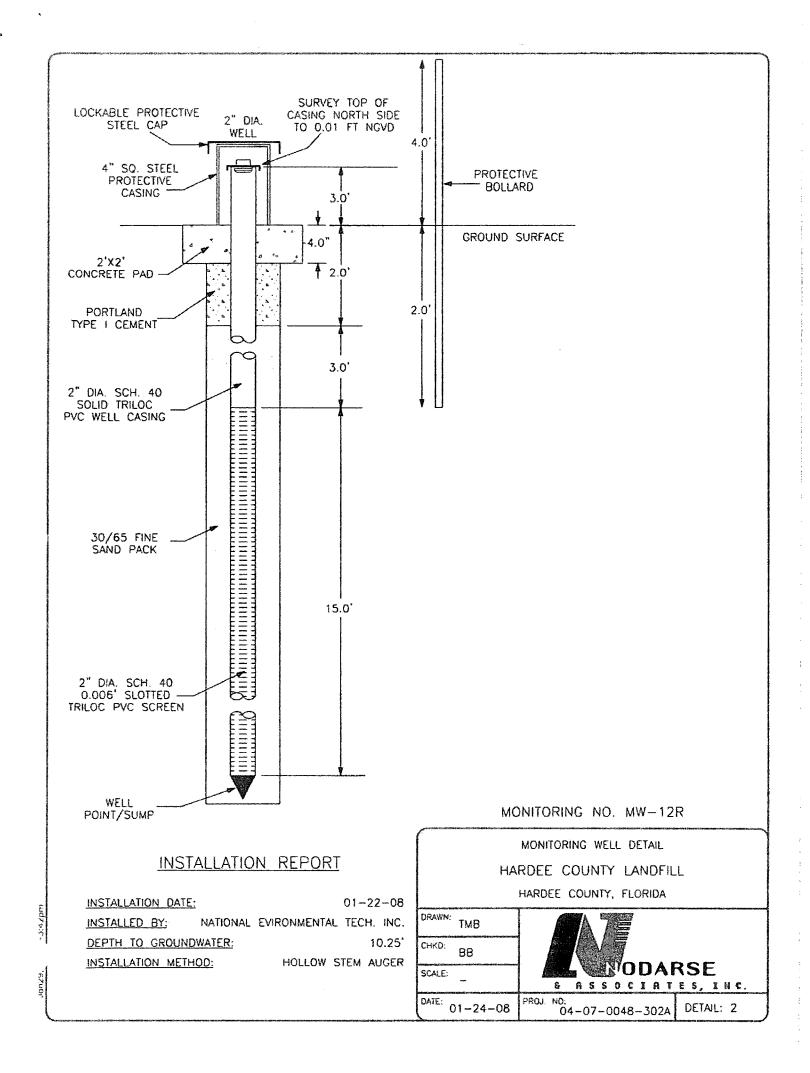
GROUNDWATER SAMPLING LOG

SITE NAME:	taroee Co	e Land	Pill		SITE LO	CATION:	adee (O	· ; j	7		PROJEC	TNO.: クリーのテー	-0048-	302A
WELL NO:	N	100-121	2		SAMPLE		MW-12				DATE:	01/2	4/08	
					<u> </u>	PURG	ING DAT	A			_			
WELL	21	TUBING			WELL SO	CREEN INT	ERVAL STA	TIC DE	PTH	11.05	PURGE	PUMP TYPE	OP	
WELL DIAMETER (I WELL VOLU	ME PURGE:	1 WELL VOL	ER (inches	s): TOTAL \	WELL DE	PTH - ST	ATIC DEPTH T	O WA	て(feet) TER)	X WEL	L CAPAC	ER: DITY	/ /	
(only fill out it					_		11.05			0	11.		1 01	1
EQUIPMENT	VOLUME PL	JRGE: 1 EQL			15 VOLUME			f	eet) TUBII	X U/	7 <i>0</i> TH) + FL	gallons/fo OW CELL V	ot = 1,94 DLUME	/ gallons
(only fill out if				19	12		NOTE: YSI 550	MPST		volume :	- 500- mL	= 0.13 gallor	s (1 gallon =	
	P OR TUBING		AL PUMP	OR TUB	gallon: ING	PURG	gallons/foo	. IP	URGIN	G	et) +	TOTAL	VOLUME /	gailons
	ELL (feet): /	7.0 DEF	PURGI): / 7 · <i>l</i> DEPTH]		TED AT: 1455		NDED .	AT: /5		PURGE	D (gallons):	ODOR
TIME	VOLUME PURGED	VOLUME	RATE		TO	pH (standard	1 ^		os/cm	OXY		(NTUs)	(describe)	(describe)
	(gallons)	PURGED	(gpm)		/ATER	units)		or µ	S/cm)	(m) % satu	g/L/			
1503	2.00	(gallons)	0,25		(feet) 77	5.01	24.05	100	<u>ت</u>			15.6	Clear	5/ish+5.He
1506	0.75	2.75	0.25		1.79	5.00	24,06	10) [19.2%		Clear	51.51+ Sule
1509	0.75	3,50	0.25	17	.74	4.91	24.07	70	2_	1:51/	17.1%	7,10	clear	slightsalfe
1512	0.75	4.25	0,75		799	5.02		102		1.38/	16.4%	5,13	cleus	slight Sulfer
<i>(</i>	3 1 7 2 .													
													<u> </u>	
													1	
			<u></u>										1	
							-				*		 	
WELL CAPA	CITY (Gallon:	s Per Foot):	1/2" = 0.0°	102; 0 .7	7 5" = 0.02	2: 1" = 0.04	4; 1.25" = 0.06	2" =	0.16;	3" = 0.37	; 4" = 0	.65; 5" = 1.0)2; 6" = 1.47	12" = 5.88
		ACITY (Gal./F				" = 0.0014;	1/4" = 0.002	6; 5		0.004;	3/8" = 0		" = 0.0102;	5/8" = 0.016
							LING DAT	ΓΑ	-10					
SAMPLED B BEAN	Y (PRINT) SA I . T . 1.50	FFILIATION: V	gese !	SAMPLE	R(S) SIG	NATURES	9/ r_		- SAN	IPLING IATED A	T: N/		MPLING DED AT: 🖊	i/A
PUMP OR TU	JBING	17.0	\	SAMPLE		- 2	0.75		TUE	BING		PE	/<	
DEPTH IN W	/ELL (feet): ONTAMINATION	, ,			ATE (gall	ons per mir	ute):		[MA	rerial C	ODE:	ATE: Y	(N) DUP. ID):
EQUIPMENT		MW	6		Equipme	_					EQUIP E		(1) E.B. ID:	
SAN		INER SPECIF			חסבפרו		PLE PRESERV		!		INTEN	DED ANALY	CIC C	MPLING
SAMPLE ID CO	ODE CONTAIN	MATERI JERS CODE	1 (//)	LUME	USI	4	IN FIELD		FINA	L pH	l.	OR METHO	L L	MENT CODE
							000							
							M/5,	7		-				
						10	9							
							· · · · · · · · · · · · · · · · · · ·	\dashv	-					
		 	1-		 		$\overline{\bigcirc}$	+						
5 WELL VOL	UMES:	REMARI	KS:	Stahi	12410	~ Paran	nefers on	14						
7,70 samples placed on ice subsequent to collection														
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer, BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; WM = Water Level														
EQUIPMENT	CODES: RF	PP = Reverse	Flow Peri	istaltic P	ump;SM =	= Straw Met	hod (Tubing Gra	avity Dr	ain); V					
NOTES: 1	The above d	o not constitu	ute all of t	ne infor	mation re	equired by	Chapter 62-160	, F.A.C						

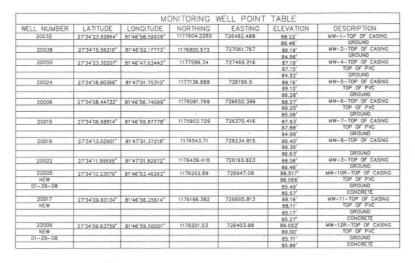
^{2 &}lt;u>Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)</u>
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

³ Standard decontamination procedures includes DI water rinse, Liquinox solution wash, DI water rinse, isopropanol, DI water final rinse, & air dry.









ELL NUMBER	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
20033	27'34'23.50523"	81'46'54.84185"	1177602.658	726820.612	84.82	GP-1-GROUND
	27 54 25.50525	01 40 34.04103	111.10461146	7.00.00.01.0	87.81	TOP OF PVC
					87.75'	TOP OF CASING
					84.87'	TOP OF CONCRETE
20031	27"34"23.49809"	81*46*58.51218*	1177601.357	726490.331	86.20'	GP-2-GROUND
	27 37 25.79000	81 40 30.31210			89.13'	TOP OF PVC
					89.05'	TOP OF CASING
					86.25'	TOP OF CONCRETE
20027	27'34'23.42423"	81'47'01,86132"	1177593.371	726188.964	85.27'	GP-3-GROUND
	E/ G/ EG/ IE/EG	OT TO GROUP OF			88.11'	TOP OF PVC
					88.06'	TOP OF CASING
					85.32	TOP OF CONCRETE
20026	27'34'20.56109"	81'47'01,70589"	1177304.268	726203.456	85.49'	GP-4-GROUND
	27 04 20,00100	0(11 01110000			88.36'	TOP OF PVC
					88.39'	TOP OF CASING
					85.49"	TOP OF CONCRETE
20066	27"34'16.68982"	81"47"01.69325"	1176913.338	726205.276	85.96'	GP-5-GROUND
	27 04 10,00302	01 17 01.00020			88.89'	TOP OF PVC
					88.91	TOP OF CASING
					85.96'	TOP OF CONCRETE
20021	27°34'14.50155"	81'47'01.66883"	1176692,365	726207.86	85.91	GP-6-GROUND
	27 04 14.00100	31 47 G1.00000	717.5252.525		88.71	TOP OF PVC
					88.79	TOP OF CASING
					85.91'	TOP OF CONCRETE
20045	27"34"14.53610"	81'46'51.65803"	1176697.437	727108.717	83.51	GP-9-GROUND
	27 34 14.33010	01 40 01.00000	10.4441114		86.26'	TOP OF PVC
					86.17"	TOP OF CASING
20047	27"34"17,74439"	81"46"53.05590"	1177021.197	726982.352	85.66	GP-10-GROUND
	27 34 17.74433	01.40.00.00000		10111011	88.55'	TOP OF PVC
					88.51	TOP OF CASING
					85.66'	TOP OF CONCRETE
20035	27"34"20.92315"	81'46'54.49379"	1177341.968	726852.393	85.51	GP-11-GROUND
	27 07 20.02010	21.10.011.10010			88.44' .	TOP OF PVC
				7	88.44	TOP OF CASING
					85.51'	TOP OF CONCRETE
20086	27"34"04.77045"	81'46'58,47893"	1175710.195	726496.639	83.19'	GP-12-GROUND
	2. 0404.77040	2. 10 00.11030			86,17'	TOP OF PVC
					86.15'	TOP OF CASING
					83.19'	TOP OF CONCRETE
20010	27'34'04.66648"	81'46'56.32145"	1175700.036	726690,812	81.52	GP-13-GROUND
	27 51 54.00040	0. 10 00.06140			84.35'	TOP OF PVC
					84.32'	TOP OF CASING
					81.52	TOP OF CONCRETE
			10			

		PIE	ZOMETER	POINT TABL	E	
VELL NUMBER	LATITUDE	LONGITUDE	NORTHING	EASTING	ELEVATION	DESCRIPTION
20030	27'34'22.95129"	81'46'58.67941"	1177546.113	726475.379	86.47	P-1-GROUND
20000	21 34 22.33123	81 40 30.07241	1177070.110	7203701010	90.57	TOP OF PVC
20025	27"34"18.94357"	81'47'01.09935"	1177141.021	726258.323	89.48'	P-2-GROUND
EGOEG	27 34 10.34337	81 47 01.03333	1177141.021	720200.020	91.08'	TOP OF PVC
20009	27"34"05,78188"	81'46'55.39197"	1175812.82	726774.259	82.41'	P-7-GROUND
	27 34 03.70100	0140 00.00101	111.001000	7.00.7.3.00.0	84.47'	TOP OF PVC
20011	27'34'04,90918"	81'46'58.10087"	1175724.264	726530.637	83.25'	P-8-GROUND
	27 34 04.30310	01 40 00.10007		100000	85.32'	TOP OF PVC
20036	27'34'19.05828"	81'46'53,53029"	1177153.801	726939,428	86.16"	P-11-GROUND
	27 34 13.03020	014000.00020		7,207031100	88.69'	TOP OF PVC
20007	27'34'08.10869"	81'46'58.49879"	1176047.296	726494.261	85.28'	P-13-GROUND
	E7 04 00.10000	01 10 00.10010			87.96'	TOP OF PVC
20008	27'34'06.54739"	81'46'58.25866"	1175889.67	726516.147	84.05	P-14-GROUND
	27 01 00.01703	01 10 00.20000			87.31	TOP OF PVC
20020	27"34"13.90272"	81"47"00.72895"	1176632.041	726292.544	87.72'	P-15-GROUND
	E/ DY 10.00E/E	01 47 00.72000			89.62	TOP OF PVC
					89.52	TOP OF CASING
20028	27"34'24.46321"	81"47"01.59645"	1177698.331	726212.616	85.88'	P-17-GROUND
NEW	2121212				88.82	TOP OF PVC
					88.70	TOP OF CASING
					89.52	TOP OF CONCRETE
22013	27"34"23.34755"	81'47'04.45622"	1177585.22	725955.47	84.37'	P-18-GROUND
NEW	21012001100				88.74	TOP OF PVC
01-29-08					87.99'	TOP OF CASING
					84.57'	TOP OF CONCRETE
22017	27"34"24.32129"	81'46'54.06070"	1177685.19	726890.76	84.14'	P-19-GROUND
NEW					86.73	TOP OF PVC
01-29-08					86.66	TOP OF CASING
					84.23'	TOP OF CONCRETE
20034	27"34"23.13137"	81'46'54.51835"	1177564.956	726849.789	84.68'	P-20-GROUND
NEW					87.60'	TOP OF PVC
					87.61	TOP OF CASING
					84.68'	TOP OF CONCRETE
20042	27'34'17.53532"	81"46"51.68684"	1177000.302	727105.589	83.57	P-21-GROUND
NEW					86.63	TOP OF PVC
					86.68'	TOP OF CASING
					83.72'	TOP OF CONCRETE
20014	27'34'07.85808"	81"47"03.73232"	1176021.166	726023.336	84.09'	P-22-GROUND
NEW					87.04	TOP OF PVC
					87.15'	TOP OF CASING
					84.19	TOP OF CONCRETE
20013	27"34"04.85082"	81"47"03.75949"	1175717.48	726021.42	83.71'	P-23-GROUND
NEW					86.45	TOP OF PVC
					86.63	TOP OF CASING
					83.81	TOP OF CONCRETE

LEGEND:

PVC POLYVINYL CHLORIDE 100 WELL POINT NUMBER

GPS CONTROL POINT

MW MONITORING WELL
GP GAS PROBE P PIEZOMETER
MW MONITORING WELL

COUNTY LANDFILL HARDEE

01/29/08 SURVEY DATE

476 SOUTH FIRST AVENUE BAATTOW, FLORIDA 33830 PHONE: (863)-533-8085 FAX: (883)-534-1464

FIRST ISSUE SURVEYED NEW N

GAP

SPECIFIC PURPOSE SURVEY
LOCATED IN SECTION 35,
TOWNSHIP 33 SOUTH, RANGE 25 EAST
PREPARED FOR: SCS ENGINEERS PROJECT No. No. 14198-2 1 DRAWNG No. LD 3665

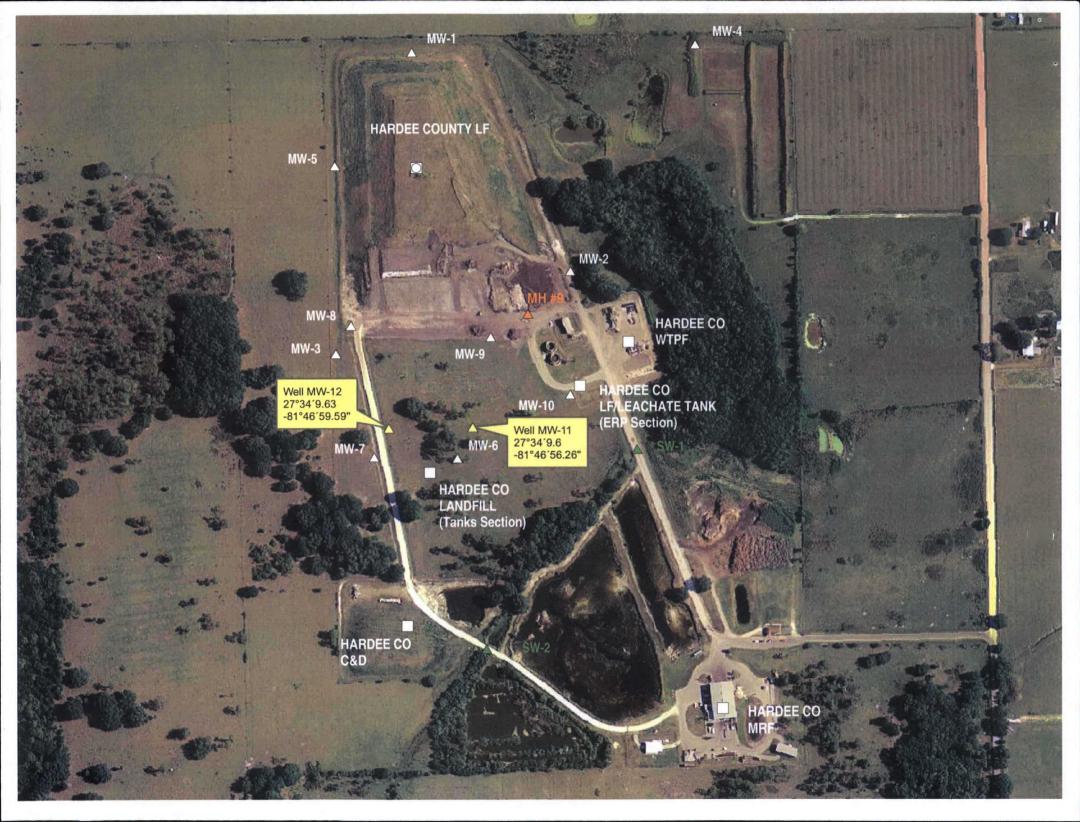
SURVEYOR'S NOTES:

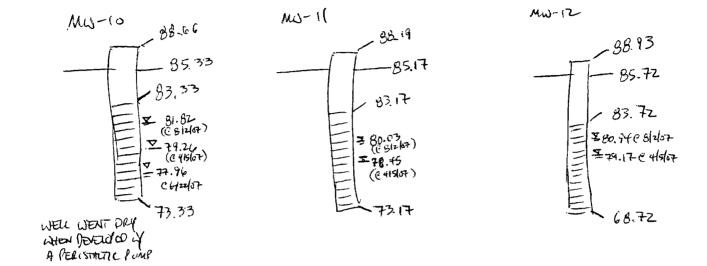
- North and the coordinates shown hereon are referenced to the West Zone of the Florida State Plane Coordinate System, NAO 83, 1990.
- Elevations are to National Geodetic Vertical Datum of 1929 and ore based on U.S. Geological Survey bench mark numbers "22RHP", "23RHP", "24RHP" and "YS5".
- Aerial photography for this project is digital ortho-rectified imagery dated 2/23/07 prepared by Pickett & Associates, Inc.
- This survey was prepared for the specific purpose of locating the Monitoring wells, Gas probes, and Piezameters around the Hardee county Landfill.

-~~			22017	
PIEZUMETER 18 RESURVEYED 01-26-08	GAS PROBE 3 MONITOR S) 20027	eng WELL 1 2003¥**-1 □ 20031	GAS PROPE (© 20033	
222013	Departure	PEZQUETER 1 4 20030	Piczoktier 20 ©20034	
			DAS PROCE 11 ③ 20035	
第188 章	GAS PROBE 4 ©20026			
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	GAS PROSE & #220066			
				G WELL 2
				■ 20038
			* **	
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	NONETORING WELL 8 MW-8 20019	MW-0		
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MONETI	otano well 3	62300		
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	22009	■ 2001	17	
			11	
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PIEZOMETER 22 19 20014		РЕДИВЕТА 15 № 20007		
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			PEZONEIDR 7 • 20009	
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PIEZOMETER 23		BEZOMETER &		

PIEZOMETER 17

PREZIONETER 19 RESIDENCE OF 25-OF





REC'D 10/107

ATTACHMENT J

Department Form #62-522.900(3) for the Newly Installed Monitoring Wells MW-10, MW-11 and MW-12 and Piezometers P-17, P-18, P-19, P-20, P-21, P-22 and P-23

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No(Filled in by DEP)

Florida Department of Environmental Protection Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

10M	JITOR	WELL	COMPL	FTION	REPORT
VICT	VII I V / I I	V V LL			$I \cup I \cup I \cup I \cup I$

DATE: 04/03/2007
NSTALLATION NAME: Groundwater Monitoring Well
DEP PERMIT NUMBER: GMS NUMBER:
WELL NUMBER: 10 WELL NAME: MW-10
DESIGNATION: Background Immediate Compliance Detection
ATITUDE/LONGITUDE: 27° 34' 10.04" / 81° 46' 52.32"
AQUIFER MONITORED: Surficial
NSTALLATION METHOD: Hollow Stem Auger
NSTALLED BY: Spoon R ² , Inc.
TOTAL DEPTH: 12.0 feet (bls) DEPTH OF SCREEN: 2 – 12 feet (bls)
SCREEN LENGTH: 10.0 feet SCREEN SLOT SIZE: 0.01 inch SCREEN TYPE: 2-inch diameter Sch.40
CASING DIAMETER: 2.0 inches CASING TYPE: 2-inch diameter Sch. 40 PVC
.NGTH OF CASING: 5.0 feet FILTER PACK MATERIAL: 20/30 Silica Sand
TOP OF CASING ELEVATION (MSL): 88.66' NGVD
GROUND SURFACE ELEVATION (MSL): 85.33' NGVD
COMPLETION DATE: 04/03/2007
DESCRIBE WELL DEVELOPMENT: Start time at 1:15 PM; cloudy dark brown; sulfuric odor. End time at 2:15 PM; cloudy; sulfuric odor. Well got dry
ntermittently.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL):
DATE AND TIME MEASURED:04/03/2007 2:15 PM
REMARKS: (soils information, stratigraphy, etc.): 0 – 2 feet: brown fine sand, dry; 2 – 12 feet: orange clayey sand, wet.
REPORT PREPARED BY: John Hunt, Nodarse & Associates, Inc., 813-221-0050
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

DEP Form # <u>62-522.900(3)</u>
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.

DATE: 04/03/2007			
INSTALLATION NAME:Groundwater Monitoring Well			
DEP PERMIT NUMBER: 758079	GMS NUMBER:		<u></u>
WELL NUMBER: 11	WELL NAME: MW-11		
DESIGNATION: Background	Immediate	Compliance	Detection
LATITUDE/LONGITUDE: 27° 34' 9.60" / 81° 46' 56.26"			
AQUIFER MONITORED: Surficial			
INSTALLATION METHOD: Hollow Stem Auger			
INSTALLED BY: Spoon R ² , Inc.		<u>.</u>	
TOTAL DEPTH: 12.0 feet	(bis) DEPTH OF SCREEN: 2 – 12 feet	***	(bis)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT SIZE: 0.01 inch	SCREEN TYP	PE: 2-inch diameter Sch.40
CASING DIAMETER: 2.0 inches	CASING TYPE:2-inch		PVC
_NGTH OF CASING: 5.0 feet	FILTER PACK MATERIAL:	20/30 Silica Sar	nd
TOP OF CASING ELEVATION (MSL): 88.19' NGVD			
GROUND SURFACE ELEVATION (MSL): 85.17' NGVD			
COMPLETION DATE: 04/03/2007	A CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR		
DESCRIBE WELL DEVELOPMENT: Start time at 12:	0 PM; cloudy dark brown; sulfuric odor. End time at	t 1:10 PM; slightly o	cloudy; sulfuric odor.
		<u>. </u>	
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)			
DATE AND TIME MEASURED: 04/03/2007 1:10 PM			
REMARKS: (soils information, stratigraphy, etc.): 0 – 5	feet: brown fine sand, dry; 5 - 8 feet: light brown fine	e sand, dry;	
8 – 12 feet: orange, clayey sand, moist; 12 feet: orange			
<u> </u>			
REPORT PREPARED BY: John Hunt, Nodarse & Ass	ociates, Inc., 813-221-0050		
	(name_company_phone number)		

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.

MONITOR WELL COMPLETION REPORT

ATE: 04/03/2007	
STALLATION NAME: Groundwater Monitoring Well	
EP PERMIT NUMBER: GMS NUMBER:	
ELL NUMBER: 12 WELL NAME: MW-12	
ESIGNATION: Background Immediate Compliance Detection	
ATITUDE/LONGITUDE: 27° 34′ 9.63″ / 81° 46′ 59.59″	
QUIFER MONITORED:Surficial	
STALLATION METHOD: Hollow Stem Auger	
STALLED BY: Spoon R ² , Inc.	
OTAL DEPTH: 17.0 feet (bls) DEPTH OF SCREEN: 2 – 17 feet (bls)	
CREEN LENGTH: 15.0 feet SCREEN SLOT SIZE: 0.01 inch SCREEN TYPE: 2-inch diameter Sch.4	10
ASING DIAMETER: 2.0 inches CASING TYPE: 2-inch diameter Sch.40 PVC	
NGTH OF CASING: 5.0 feet FILTER PACK MATERIAL: 20/30 Silica Sand	
DP OF CASING ELEVATION (MSL): 88.93' NGVD	
ROUND SURFACE ELEVATION (MSL): 85.72' NGVD	
DMPLETION DATE:	
ESCRIBE WELL DEVELOPMENT: Start time at 10:45 AM; cloudy; sulfuric odor. End time at 11:45 AM; slightly cloudy; sulfuric odor.	
DST DEVELOPMENT WATER LEVER ELEVATION (MSL):	
ATE AND TIME MEASURED: 04/03/2007 11:45 AM	
EMARKS: (soils information, stratigraphy, etc.): 0 – 5 feet: brown fine sand, dry; 5 – 11 feet: light brown fine sand, dry;	
11 – 17 feet: light brown fine sand, wet	_
11 – 17 teet. fight brown fine sand, wet.	
EPORT PREPARED BY: John Hunt, Nodarse & Associates, Inc., 813-221-0050	
(name, company, phone number)	

NOTE: PLEASE ATTACH BORING LOG.

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MONITOR WELL COMPLETION REPORT

DATE: 03/30/2007		
INSTALLATION NAME: Piezometer		
DEP PERMIT NUMBER: 758082	GMS NUMBER:	
WELL NUMBER: 17	WELL NAME: P-17	
DESIGNATION: Background	immediate	Compliance Piezometer
LATITUDE/LONGITUDE: 27° 34' 24.46" / 81° 47' 01.60"		
AQUIFER MONITORED: Surficial		
INSTALLATION METHOD: Hollow Stem Auger		
INSTALLED BY: Spoon R ² , Inc.		
TOTAL DEPTH: 12.0 feet	(bls) DEPTH OF SCREEN: 2 – 12 feet	(bls)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT SIZE: 0.01 inch	SCREEN TYPE: 2-inch diameter Sch.40
CASING DIAMETER: 2.0 inches	CASING TYPE:2-inch.	
_NGTH OF CASING: 5.0 feet	FILTER PACK MATERIAL:	20/30 Silica Sand
TOP OF CASING ELEVATION (MSL): 88.70' NGVD		
GROUND SURFACE ELEVATION (MSL): 85.88' NGVD	·	
COMPLETION DATE: 03/30/2007		
DESCRIBE WELL DEVELOPMENT: Start time at 10:3	0 AM; cloudy dark brown; sulfuric odor. End time at	11:00 AM; cloudy; sulfuric odor.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL):		
DATE AND TIME MEASURED: 03/30/2007 11:00 AM		
REMARKS: (soils information, stratigraphy, etc.): 0 – 2	feet: dark gray fine sand, dry; 2 - 4 feet: brown fine	sand, dry;
4 – 5 feet: light brown fine sand, moist; 5 – 6 feet: gray,	clayey sand, moist; 6 - 8 feet: greenish clay, moist;	8 – 10 feet: light brown clayey sand, moist;
10 - 12 feet: brown clayey sand, wet.		
REPORT PREPARED BY: John Hunt, Nodarse & Asso		
	(name, company, phone number)	

NOTE: PLEASE ATTACH BORING LOG.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.

DATE: 03/30/2007		
INSTALLATION NAME: Piezometer	· · · · · · · · · · · · · · · · · · ·	
DEP PERMIT NUMBER: 758082	GMS NUMBER:	
WELL NUMBER: 18	WELL NAME: P-18	
DESIGNATION: Background	Immediate	Compliance Piezometer
LATITUDE/LONGITUDE: 27° 34' 23.33" / 81° 47' 04.46"		
AQUIFER MONITORED Surficial		
INSTALLATION METHOD: Hollow Stem Auger		
INSTALLED BY: Spoon R ² , Inc.		
TOTAL DEPTH: 12.0 feet	(bls) DEPTH OF SCREEN: 2 – 12 feet	(bis)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT SIZE: 0.01 inch	SCREEN TYPE: 2-inch diameter Sch.40 PVC
SING DIAMETER: 2.0 inches	CASING TYPE: 2-inch.	
LCNGTH OF CASING: 5.0 feet	FILTER PACK MATERIAL:	20/30 Silica Sand
TOP OF CASING ELEVATION (MSL): 87.90' NGVD		
GROUND SURFACE ELEVATION (MSL): 84.42' NGVD		
COMPLETION DATE: 03/30/2007		
DESCRIBE WELL DEVELOPMENT: Start time at 3:30	PM; cloudy dark brown; sulfuric odor. End time at 4	1:00 PM; slightly cloudy; sulfuric odor.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL);		<u> </u>
DATE AND TIME MEASURED: 03/30/2007 4:00 PM		
REMARKS: (soils information, stratigraphy, etc.): 0 – 5	feet: dark brown fine sand, dry; 5 – 6 feet: brown fine	e sand, wet;
6 – 9 feet: brown clayey sand, wet; 9 – 11 feet: green cl	-	
		·-
REPORT PREPARED BY: John Hunt, Nodarse & Asse		
	(name_company_nhone_number)	

DATE: 03/30/2007				
INSTALLATION NAME: Piezometer				
DEP PERMIT NUMBER: 758082	GMS	NUMBER:		
WELL NUMBER:19	WELL NAME:	<u>.</u> P-19		
DESIGNATION: Background	Immediate		_ Compliance _ Pi	ezometer
LATITUDE/LONGITUDE: 27° 34′ 24.31″ / 81° 46′ 54.07″				
AQUIFER MONITORED: Surficial				
INSTALLATION METHOD: Hollow Stem Auger				
INSTALLED BY: Spoon R ² , Inc.				
TOTAL DEPTH: 12.0 feet	_(bls) DEPTH OF SC	REEN: 2 – 12 fe	et	(bls)
SCREEN LENGTH: 10.0 feet	_ SCREEN SLOT SIZE	:0.01 inch	SCREEN TYPE: 2-	nch diameter Sch.40
CASING DIAMETER: 2.0 inches	CA	SING TYPE:2-in	PVC ch diameter Sch.40 PVC	
_NGTH OF CASING: 5.0 feet	FILT	ER PACK MATERIAL: _	20/30 Silica Sand	
TOP OF CASING ELEVATION (MSL): 86.79' NGVD				
GROUND SURFACE ELEVATION (MSL): 84.17' NGVD				<u></u>
COMPLETION DATE: 03/30/2007				
DESCRIBE WELL DEVELOPMENT: Start time at 11:	05 AM; cloudy dark brown	n; sulfuric odor. End time	e at 11:35 AM; cloudy; sulfu	ric odor.
				
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)	:			
DATE AND TIME MEASURED:03/30/2007 11:35 AM				
REMARKS: (soils information, stratigraphy, etc.): 0 – 5		nd. drv: 5 – 8 feet: areen	clav, moist; 8 – 10 feet: bro	own clayey sand, wet;
10 – 12 feet: brown fine sand, wet.		.e, e.j, e	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
10 - 12 leet. brown line Sund, wet.				
REPORT PREPARED BY: John Hunt, Nodarse & Ass	ociates, Inc., 813-221-00	50		
	(name, con	npany, phone number)		

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
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DATE: 04/02/2007				
INSTALLATION NAME: Piezometer				····
DEP PERMIT NUMBER: 758082	GMS N	UMBER:		
WELL NUMBER: 20	WELL NAME:	P-20		
DESIGNATION: Background	Immediate		Compliance	Piezometer
LATITUDE/LONGITUDE:27°34' 23.13" / 81° 46' 54.52"				
AQUIFER MONITORED: Surficial				
INSTALLATION METHOD: Hollow Stem Auger				
INSTALLED BY: Spoon R ² , Inc.				·
TOTAL DEPTH: 12.0 feet	(bis) DEPTH OF SCR	EEN: 2 – 12 feet		(bls)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT SIZE:_	0.01 inch	SCREEN TYP	E: 2-inch diameter Sch.40
^\SING DIAMETER: 2.0 inches	CASI	NG TYPE: 2-inch		vc
_NGTH OF CASING: 5.0 feet	FILTE	R PACK MATERIAL:	20/30 Silica Sar	nd
TOP OF CASING ELEVATION (MSL): 87.61' NGVD				
GROUND SURFACE ELEVATION (MSL): 84.68' NGVD				
COMPLETION DATE: 04/02/2007				
DESCRIBE WELL DEVELOPMENT: Start time at 11:4	0 AM; cloudy dark brown;	sulfuric odor. End time a	t 12:10 PM; cloudy;	sulfuric odor.
		·		
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)	:			
DATE AND TIME MEASURED: 04/02/2007 12:10 PM				
REMARKS: (soils information, stratigraphy, etc.): 0 – 2	feet: dark brown fine sand,	dry; 2 – 3 feet: brown fir	ne sand, dry; 3 – 5 fe	eet: light brown sand, dry;
5 – 9 feet: tan fine sand, moist; 9 – 12 feet: light tan fine			•	
		, .		
REPORT PREPARED BY: John Hunt, Nodarse & Ass	ociates, Inc., 813-221-0050			
	(name, compa	any, phone number)		

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No
(Filled in by DEP)

MONITOR WELL COMPLETION REPORT

DATE: 04/02/2007
INSTALLATION NAME: Piezometer
DEP PERMIT NUMBER: GMS NUMBER:
WELL NUMBER: 21 WELL NAME: P-21
DESIGNATION: Background Immediate Compliance Piezometer
LATITUDE/LONGITUDE: 27° 34′ 17.54″ / 81° 46′ 51.69″
AQUIFER MONITORED: Surficial
INSTALLATION METHOD: Hollow Stem Auger
INSTALLED BY: Spoon R ² , Inc.
TOTAL DEPTH: 12.0 feet (bls) DEPTH OF SCREEN: 2 – 12 feet (bls)
SCREEN LENGTH: 10.0 feet SCREEN SLOT SIZE: 0.01 inch SCREEN TYPE: 2-inch diameter Sch.40
PVC ^^SING DIAMETER:
_NGTH OF CASING: 5.0 feet FILTER PACK MATERIAL: 20/30 Silica Sand
TOP OF CASING ELEVATION (MSL): 86.68' NGVD
GROUND SURFACE ELEVATION (MSL): 83.57' NGVD
COMPLETION DATE: 04/02/2007
DESCRIBE WELL DEVELOPMENT: Start time at 12:15 PM; cloudy; sulfuric odor. End time at 12:45 PM; clear; sulfuric odor.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL):
DATE AND TIME MEASURED: 04/02/2007 12:45 PM
REMARKS: (soils information, stratigraphy, etc.): 0 – 2 feet: brown fine sand, dry; 2 – 4 feet: gray fine sand, dry; 4 – 5 feet: light gray fine sand, dry;
5 – 6 feet: light brown fine sand, dry; 6 – 9 feet: green clay, moist; 9 – 12 feet: gray fine sand, moist; 12 feet: gray fine sand, wet.
5 - 0 leet. light brown line sand, dry, 0 - 5 leet. green day, moist, 5 - 12 leet. gray line sand, moist, 12 leet. gray line sand, wet.
REPORT PREPARED BY: John Hunt, Nodarse & Associates, Inc., 813-221-0050
(name_company_phone_number)

NOTE: PLEASE ATTACH BORING LOG.

DEP Form # <u>62-522.900(3)</u>
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.

MONITOR WELL COMPLETION REPORT

DATE: 03/30/2007		_			
INSTALLATION NAME: Piezometer					
DEP PERMIT NUMBER: 758082		GMS NUMBER	R:		
WELL NUMBER: 22	WELL NA	ME: <u>P-2</u>	2		
DESIGNATION: Background	Immediate			Compliance	Piezometer
LATITUDE/LONGITUDE: 27° 34' 07.86" / 81° 47' 03.73"				· 	
AQUIFER MONITORED: Surficial					
INSTALLATION METHOD: Hollow Stem Auger			····		
INSTALLED BY: Spoon B ² , Inc.					
TOTAL DEPTH: 12.0 feet	_(bls) DEPTH C	F SCREEN:	2 – 12 feet	<u> </u>	(bls)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT	SIZE: 0	.01 inch	SCREEN TYP	PE: 2-inch diameter Sch.40
^4SING DIAMETER:		CASING TY	PE: <u>2-inch</u>		VC
NGTH OF CASING: 5.0 feet		FILTER PACK	MATERIAL:	20/30 Silica Sa	nd
TOP OF CASING ELEVATION (MSL): 87.15' NGVD					
GROUND SURFACE ELEVATION (MSL): 84.09' NGVD			- <u> </u>		
COMPLETION DATE: 03/30/2007					
DESCRIBE WELL DEVELOPMENT: Start time at 2:55	5 PM; cloudy; sulfuri	c odor. End tin	ne at 3:25 PM; sl	ightly cloudy; sulfur	ic odor.
					
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)	·:		_		
DATE AND TIME MEASURED: 03/30/2007 2:35 PM					
REMARKS: (soils information, stratigraphy, etc.): 0 – 5	feet: brown fine sar	nd, dry; 5 – 6 fe	et: green clay, m	oist; 6 – 12 feet: bro	own clayey sand, moist;
12 feet: brown, clayey sand, wet.					
			· · · · · · · · ·		
REPORT PREPARED BY: John Hunt, Nodarse & Ass					
	(name	e, company, pho	ne number)		

NOTE: PLEASE ATTACH BORING LOG.

DEP Form # <u>62-522.900(3)</u>
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No
(Filled in by DFP)

DATE: 03/30/2007		
INSTALLATION NAME: Piezometer		
DEP PERMIT NUMBER: 758082	GMS NUMBER:	
WELL NUMBER:23	WELL NAME: P-23	
DESIGNATION: Background	Immediate	Compliance Piezometer
LATITUDE/LONGITUDE: 27° 34' 04.85" / 81° 47' 03.76"		
AQUIFER MONITORED:Surficial		
INSTALLATION METHOD: Hollow Stem Auger		
INSTALLED BY: Spoon R ² , Inc.		
TOTAL DEPTH: 12.0 feet	(bls) DEPTH OF SCREEN: 2 – 12 fe	eet (bls)
SCREEN LENGTH: 10.0 feet	SCREEN SLOT SIZE: 0.01 inch	SCREEN TYPE: 2-inch diameter Sch.40
SING DIAMETER: 2.0 inches	CASING TYPE:2-in	
NGTH OF CASING: 5.0 feet	FILTER PACK MATERIAL: _	20/30 Silica Sand
TOP OF CASING ELEVATION (MSL): 86.63' NGVD		
GROUND SURFACE ELEVATION (MSL): 83.71' NGVD		
COMPLETION DATE: 03/30/2007		
DESCRIBE WELL DEVELOPMENT: Start time at 2:20	PM; cloudy; sulfuric odor. End time at 2:50 PM;	clear; sulfuric odor.
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)		
DATE AND TIME MEASURED: 03/30/2007 2:50 PM		
REMARKS: (soils information, stratigraphy, etc.): 0 – 4		fine sand, dry;
5 – 7 feet: hard, green clay, moist; 7 – 12 feet: orange		
	- · · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
REPORT PREPARED BY: John Hunt, Nodarse & Ass		
	(name, company, phone number)	

DEP Form # <u>62-522.900(3)</u>
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.

MONITOR WELL COMPLETION REPORT

DATE: 04/04/2007				
INSTALLATION NAME: Gas Monitoring Probe			·	
DEP PERMIT NUMBER: 758080	GM:	S NUMBER:		
WELL NUMBER: 12	WELL NAME:	GP-12		
DESIGNATION: Background	Immediate		Compliance	Detection
LATITUDE/LONGITUDE: 27° 34' 04.77" / 81° 46' 58.48"				
AQUIFER MONITORED: Surficial				
INSTALLATION METHOD: Hollow Stem Auger				
INSTALLED BY: Spoon R ² , Inc.		······································		
TOTAL DEPTH: 8.45 feet	- `'''	CREEN: 2.5	- 8.45 feet	
SCREEN LENGTH: 5.95 feet	(bls) SCREEN SLOT SIZ	E: 1/8-inch	SCREEN TYP	E: 1-inch diameter Sch.40
`SING DIAMETER: 1.0 inches	C.	ASING TYPE:		VC
∟∈NGTH OF CASING: 5.5 feet	FIL	TER PACK MATER	AL: 3/4-inch Gravel	
TOP OF CASING ELEVATION (MSL): 86.15' NGVD				<u> </u>
GROUND SURFACE ELEVATION (MSL): 83.19' NGVD				
COMPLETION DATE: 04/04/2007			_	
DESCRIBE WELL DEVELOPMENT:		·····		
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)) <u>; </u>			
DATE AND TIME MEASURED:				
REMARKS: (soils information, stratigraphy, etc.): 0 – 2	feet: brown fine sand, d	ry; 2 – 8.45 feet: ligh	nt brown fine sand, dry;	
8.45 feet: light brown fine sand, wet.				
REPORT PREPARED BY: John Hunt, Nodarse & Ass	 :			
	(name, coi	npany, phone númb	er)	

NOTE: PLEASE ATTACH BORING LOG.

DEP Form # 62-522.900(3)	
Form Title MONITOR WELL COMPLETION REPO	DRT
Effective Date	
DEP Application No	_

MONITOR WELL COMPLETION REPORT

DATE: 04/04/2007						
INSTALLATION NAME:Gas Monitoring Probe						
DEP PERMIT NUMBER: 758080		GMS NU	JMBER:			
WELL NUMBER: 13	WELL N	AME:	GP-13	-	<u> </u>	
DESIGNATION: Background	. Immediate				Compliance	Detection
LATITUDE/LONGITUDE: 27° 34' 04.67" / 81° 46' 56.32"						
AQUIFER MONITORED: Surficial						
INSTALLATION METHOD: Hollow Stern Auger						
INSTALLED BY: Spoon B ² , Inc.	· · · · · · · · · · · · · · · · · · ·					
TOTAL DEPTH: 7.56 feet		OF SCRE	EN: <u>2.</u>	. <u>5 – 7.56 f</u>	eet	
SCREEN LENGTH: 5.06 feet	(bls) SCREEN SLO	T SIZE:	1/8-inch		SCREEN TYP	PE: 1-inch diameter Sch.40
SING DIAMETER: 1.0 inches		CASIN	IG TYPE:	1-inch	PVC diameter Sch.40 F	PVC
LLNGTH OF CASING: 5.5 feet		FILTER	PACK MATE	RIAL:	3/4-inch Gravel	
TOP OF CASING ELEVATION (MSL): 84.32' NGVD						
GROUND SURFACE ELEVATION (MSL): 81.52' NGVD						
COMPLETION DATE: 04/04/2007	·			_		
DESCRIBE WELL DEVELOPMENT:						
						
POST DEVELOPMENT WATER LEVER ELEVATION (MSL)	١٠					
DATE AND TIME MEASURED:						
REMARKS: (soils information, stratigraphy, etc.): 0 – 2					e sand. drv:	
3 – 7.56 feet: light brown fine sand, dry; 7.56 feet: light			· ·	<u> </u>		
5 7.50 feet light brown into ourie, dry, 7.50 feet light	- Drown into ourie, in					
REPORT PREPARED BY:John Hunt, Nodarse & Ass	sociates, Inc., 813-2	221-0050				
			v. phone num	ber)		

NOTE: PLEASE ATTACH BORING LOG.

Mad. WELL CONSTRUCTED DEMUS

FROM: OPERATION PERMIT MODIFICATION TO

INCODE PHANEII, SECTIONIL LANDERLE
EXPANSION, DATED 64467, PREPARED BY

SCS ENEMETERS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION JUN 05 2007 SOUTHWEST DISTRICT TAMPA

(ATT. F-5 FOOD of GW WON DATA)

Attachment F-1

Well Completion Report MW-10 and MW-11

WELL COMPLETION REPORT (Please complete in black ink or type.)	OMNEDIS NAME: VALARY P. PERTO, LOS SALETTAROS
PERMIT #: 738079 CUP/WUP#: DID#: DID#: Indicate the number of wells drilled/abandoned for this report: 2	OWNER'S NAME: HARDEK Co. RECTONAL SANTTHYSY COMPLETETION DATE: 4/2/07 Florida Unique I.D.:
Indicate the number of wells drilled/abandoned for this report:	Parcel # (Pin):
Indicate the number of wells permitted but not drilled/abandoned that are being	WELL USE:
cancelled:	[] Public Supply [] Irrigation [] Domestic [] Monitor
WATER WELL CONTRACTOR'S	[] Injection [] Other
WATER WELL CONTRACTOR'S SIGNATURE License # 9239 I certify that the information provided in this report is accurate and true.	DRILL METHOD: [] Rotary [] Cable Tool [] Combination
	[] Jet
Grout No. of Bags From (ft.) To (ft.)	Measured Static Water Level: Measured Pumping Water Level:
Neat Cement: 1/2 94 1/5 BAS 0.0 1.0	After Hours at CPM. Measuring Pt. (Describe):
Berlionite. 69	Which is ft. [] above [] below land surface
(Other) \$50 SAND 1.0' 120'	Casing: [] Black Steel [] Galvanized [] PVC [] Other:
WELL LOCATION: County PHARDES	[] Open Hole Depth DRILL CUTTINGS LOG
1/4 of 1/4 of Section 35, Township 33.5, Range 255	Examine cuttings every 20 ft. or at formation changes. Note cavities,
Latitude:, Longitude:	Casing Diameter From To depth to producing zones.
Sketch of well location on property	and Depth (ft.) Color Grain Size Type of Malerial
	Diameter 2" P.O - 2 PO Blw. For PAND
1 (0 - 10 1/11)	From: P. O
APR 25 2007 APR 25 2007 MW-11 MIGHT MEDITALIS	To: 2.0 -12.0 ORSIGE FO. CLAND SANE
RRD-IANII	Diameter 2" O.o'-Bo' Ban Fu- Paris
MELGE MENA OF	From: <u>0.0</u>
One daily	To: 2.0' 8.0'-12.0 ORNES FR CLASHA
CHEMICAL ANALYSIS WHEN REQUIRED	Liner [] or SAND.
Iron:ppm Sulfate:ppm	Casing []
Chlorides: ppm TDS mg/l Conductivity umbos/cm Give distances from septic tank and house, or	Diameter: From:
Conductivity umhos/cm Give distances from septic tank and house, or] Lab Test] Field Test Kit other reference points	To:
Pump Type	·
[] Centrifugal [] Jet [] Submersible [] Turbine	
Horsepower: Capacity: GPM: Pump Depth:ft. Intake Depth:ft.	
Pump Depth: ft. Intake Depth: ft.	Deillada Nama (agint ar tuga): 504 / 157
Form LEG-R.005.00(10/05)	Driller's Name (print or type): Tom Charlet

Page 1 of													
Boring/Well Number:							Number:	117076		FDEP Facilit	y Iden	tificatio	on Number:
			MW.	-10				758074					
							le Start Da	ate: 41-2-07	Borehole Start	Time: 1:15	5 P	A	M PM
HARDEE CO LANDFILL							i i					M Z PM	
Enviro	nmenta	l Contr	actor:			Geolog	ist's Nam	e:		Environment			
D=:11:	ng Com		<u> </u>		lp	1 77 . 1	(* '	D- 1 1 2'		1 Joh	NF	HU	206
	٠.	-			Paveme	ent Ihick	cness (incl	hes): Borehole Diar	neter (inches):	Bor	ehole l	Depth (feet):
SPOONEC Drilling Method(s): Apparent Borehole DTW (in feet Measured Well DTW (in feet after OVA (list model and check type):										k type):			
HO	LOW	ST	EM	from so	oil moistu	ire conter	ıt):	water recharges in	well):	}			FID PID
Dispo	sition of	Drill (Cuttings [check m	ethod(s))]:	T D	rum Spread	Backfill	Stock	cpile	T	Other
(descr	ibe if ot	her or i	multiple i	tems are	checke	d):							
Boreh	ole Con	pletion	ı (check o	ne):	1	Well	Gro	ıt Bentonite	Backfi	11 [(Other (c	describ	e)
											•		
_	- 70	Sa		ď			Paris and the Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Paris and Pa		P * i. /- (<u> </u>		Z	Lab Soil and
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Z	Dep	Sampl	e Description		USCS Symbol	Moisture Content	Groundwater
ple 1	ole D val (ple Reco	SPT Blows er six inche	ered	red (Net OVA	Depth (feet)	(include grain size ba	sed on USCS, ode	ors, staining,	S Sy	ire C	Samples (list sample number
Гуре	eptl feet	cove s)	ows	90	AVO	/A	eet)	and o	ther remarks)		mbo	ont	and depth or
, i		ry)	≻								ent	temporary screen interval)
									,			_	
							1	Bell F	715 0-2	> \ -		D	
					ľ		2		215 0-2 : Clayeys				
								ORANGE	CLAYEYS	SH2 amo		D	
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Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet; S = Saturated

Page 1 of											
Boring/Well Number:	Permit Number:	TEDATA	FDEP Facility Identification Number:								
Mv4-11		758079		.=							
Site Name:	<u> </u>	te: 4-3-07 Borehole Start	Time: 11:27	AM PM							
HARDEE CO LANDFILL	End Dat	te: 4-7-07 End 7	Time: 12:33	AM PM							
Environmental Contractor:	Geologist's Name	:	Environmental Tec	_							
D 311 0		Destate Direct Collaboration	John F								
	Pavement Thickness (inch	les): Borehole Diameter (inches):	Borehole	Depth (feet):							
Drilling Method(s): Apparent E	Borehole DTW (in feet	Measured Well DTW (in feet after	OVA (list model a	nd check type):							
1	I moisture content):	water recharges in well):	· 	FID PID							
Disposition of Drill Cuttings [check metl	thod(s)]:	rum Spread Backfill	Stockpile	Other							
(describe if other or multiple items are c	checked):		•								
Borehole Completion (check one):	Well Grou	it 「 Bentonite 「 Backfil	l Other (describe)							
Unfiltered OVA SPT Blows (per six inches) Sample Recovery (inches) Sample Depth Interval (feet) Sample Type	Depth (feet) Net OVA Filtered OVA	Sample Description (include grain size based on USCS, ode and other remarks)	USCS Symbol	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)							
	1	Bene FlS or	5'	D							
	3										
	4										
	5	LT BEN FIS 5	- 8'	D							
	6										
	7										
			02 m	M							
	8	ORANGE CLENEY'S	AND 0-12	/							
	9										
	10										
	11										
	12	DRAWLAF CLAYEY SAME	12	W							

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon: ST = Shelby Tube; DP = Direct Push: SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist: W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

		V	VELL CONSTRI	JCTION	DATA					
Well Number:	Site	Name:		*****	FDEP Facil	ity I.D. Numbe	er: Well I	nstall I	Date(s):	
MW-10	ļ	Hardee Cou	unty Landfill, Hardee C	County		758079	1	04/03	. ,	
Well Location and Type	(check approp	oriate boxes):	Well Purpose:	erched Monit	toring		Well Install	Metho	od:	
On-Site	Right	-of-Way		hallow(Wate		-	Hollo	w sten	n auger	
Off-Site Private Pro	-	~ .			or Deep Monitoring					
Above Grade (AG)			I	Remediation of	or Other (describe) Surface Casing					
If AG, list feet of riser above			<u> </u>		Protective casing					
· 1	Well Depth		Diameter Manhole Dia	Well Pad Size:						
```	(feet):	(inches):	(inches):		2 feet		_ feet			
Riser Diameter and Mate		Riser/Screen Connections:	Flush-Threaded		Riser Lengt		eet			
2" sch. 40 PV		Connections.	Other (describe)	·····		from2		+3	feet	
Screen Diameter and Mat	terial:		Screen Slot Size:		Screen Len	gth: 10	feet			
2" sch	. 40 PVC		0.010"			from 2	feet to	_12_	feet	
1 st Surface Casing Materi	ial:		1 st Surface Casing I.D	O. (inches):	1 st Surface	Casing Length	: <u></u>	feet		
also check: Perma	nent [Temporary				from 0	feet to		feet	
2 nd Surface Casing Mater	rial:		2 nd Surface Casing I.I	D. (inches):	2 nd Surface	Casing Length	ı:	feet		
also check: Perma	nent [Temporary]		from 0 feet to feet					
3 rd Surface Casing Mater	ial:		3 rd Surface Casing I.I	D. (inches):	3 rd Surface	Casing Length	:	feet		
also check: Perma	ment	Temporary			}	from 0	feet to		feet	
Filter Pack Material and	Size: Prep	acked Filter A	round Screen (check one		Filter Pack	Length:	_ 11	feet		
20/30 silica sand pa	ack 🏻 🎉	Yes	No No	No No			feet to	11	feet	
Filter Pack Seal Material	and		30/65 fine sand	Filter Pack	Seal Length:	0.5	_ feet			
Size:				from 0.5 feet to 1 feet						
Surface Seal Material:			Cement		Surface Seal Length: 0.17 feet					
			Cement		from 0.3 feet to 0.5 feet					
			WELL DEVELO	PMENT	DATA					
Well Development Date:		Well Dev	velopment Method (chec	k one):	Surge/P	ump [F	ump	Comp	oressed Air	
04/03/07	7	☐ Ot	her (describe)							
Development Pump Type		Centrifug	al Peristaltic	Depth to Gro	oundwater (b	efore developi	ng in feet):			
Submersible Oth						10.21	· · · · · · · · · · · · · · · · · · ·			
Pumping Rate (gallons p	er minute):		aximum Drawdown of C evelopment (feet):	Froundwater I	During	Well Purged I		ne): No		
Pumping Condition (che	ck one):	Total Develor	pment Water	Developmen	t Duration	Development	Water Drum	ımed		
Continuous Int	termittent	Removed (ga	llons):	(minutes):	60	(check one):	I Y	es	V No	
Water Appearance (color	r and odor)	At Start of Dev	elopment:	Water Appea	arance (colo	r and odor) At	End of Deve	lopme	nt:	
c	dark brown	; sulfuric odor	-			cloudy; sulfir	ic odor			
					····					
	WEI	LL CONS	FRUCTION OR	DEVELO	PMENT	REMARI	ζS			
					<u> </u>	· · · · · · · · · · · · · · · · · · ·				

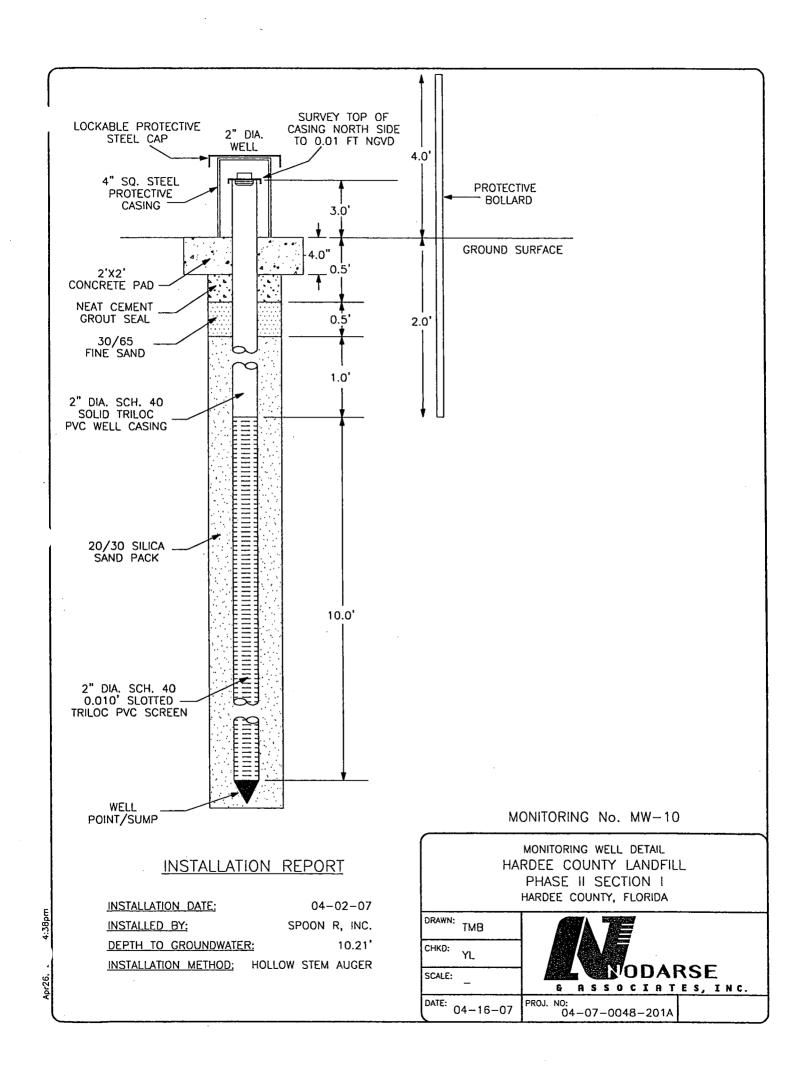
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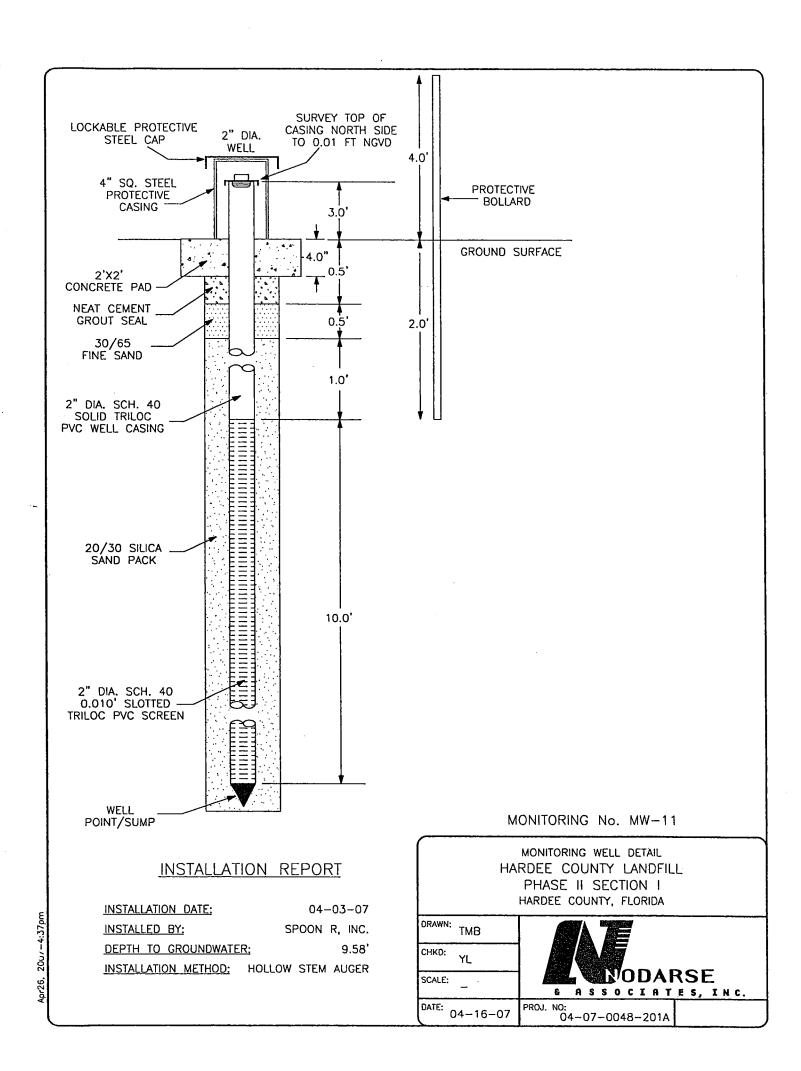
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WELL CONSTRUCTION AND DEVELOPMENT LOG

				VELL (ONSTR	UCTION	DATA					
Well Number:	5	Site Nan	ne:				FDEP Faci	lity I.D. Numb	er: Well	Install	Date(s):	
MW-11		Н	ardee Co	unty Landi	fill, Hardee (County		758079		04/0	3/2007	
Well Location and Type (Well Pu	rpose: []	Perched Monit	toring		Well Insta	ll Meth	od:	
On-Site		light-of-	Way	Shallow (Water-			_	nitoring	l ual	Hollow stem auger		
Off-Site Private Pro				Intermediate or			r Deep Mon					
Above Grade (AG)	F	lush-to-	Grade	Ì	\Box	Remediation o	r Other (describe) Surface			asing In	istall Method:	
If AG, list feet of riser above	land sur	face:	3'	1				Pro	tective	casing		
Borehole Depth	Well De	pth	Borehole	e Diameter Manhole Diameter			Well Pad S	ize:				
(feet):	(feet):		(inches):	(inches):				2 feet	by 2	_ feet		
Riser Diameter and Mate	rial:		er/Screen		-Threaded		Riser Leng	th: 5	feet			
2" sch. 40 PV	'C	Со	nnections:	Other	(describe)			from -2	feet to	+3	feet	
Screen Diameter and Mat	terial:			Screen S	Slot Size:		Screen Len	gth: 10	feet			
2" sch	. 40 PV	/C			0.010"			from 2	feet to	12	feet	
1 st Surface Casing Materi	ial:			1 st Surfa	ice Casing I.I	D. (inches):	1 st Surface	Casing Length	ı:	feet		
also check: Perma	nent	T	emporary					from 0	feet to		feet	
2 nd Surface Casing Mater	ial:			2 nd Surf	ace Casing I.	D. (inches):	2 nd Surface Casing Length:feet					
also check: Perma	nent	ТТ	emporary			from 0 feet to					feet	
3 rd Surface Casing Mater	3 rd Surface Casing Material: 3 rd Surface Casing I.D. (inches): 3 rd Surface Casing Length:feet											
also check: Perma	ment	Te	mporary				I	from 0	feet to		feet	
Filter Pack Material and	Size: I	Prepack	ed Filter A	round Scre	en (check on	e):	Filter Pack	Length:	11	feet		
20/30 silica sand pa	ack	Y	es	N	No No			from 1 feet to 11 feet				
Filter Pack Seal Material	and			30/65 fin	30/65 fine sand			Filter Pack Seal Length: 0.5 feet				
Size:				30/05 1111	e sanu		from 0.5 feet to 1 feet					
Surface Seal Material:				Ceme	ant		Surface Seal Length: 0.17 feet					
				Cente			from 0.3 feet to 0.5 feet					
		 										
				WELL !	DEVELO	PMENT	DATA					
Well Development Date:		,	Well De	velopment	Method (chee	ck one):	Surge/P	ump []	Pump	Com	pressed Air	
04/03/07	7			ther (describ							-	
Development Pump Type	e (check): 	Centrifug	gal 🔽 Po	eristaltic	Depth to Gro	oundwater (t	pefore develop	ing in feet)	:		
Submersible Oth	er (desci	ribe)	_					9.58				
Pumping Rate (gallons p	aximum Di evelopment	Groundwater 1	During	Well Purged	- •	one): • No						
Pumping Condition (che				pment Wat	er	Developmen	nt Duration	Development	Water Dru	mmed	·	
F. Seri	termitter		moved (ga			(minutes):	60	(check one):		Yes	▽ No	
Water Appearance (color	r and od	or) At S	tart of Dev	velopment:	Water Appearance (color and odor) At End of Development:							
c	dark bro	own; su	lfuric odo	r			pa	artly cloudy; s	ulfiric odo			

V	WELL CONSTRUCTION	ON OR DEVELOPM	





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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION JUN 05 2007 SOUTHWEST DISTRICT TAMPA

Attachment F-2
Well Completion Report MW-12

PERMIT #: 755074 CUP/WUP#: DID#: COMPLETETION DATE: 4/2607 Florida Unique I.D. Indicate the number of wells drilled/abandoned for this report: Parcel # (Pin): WELL USE:).:
Indicate the appropriate of wells normitted but not drilled be and another translations.	
WELL USE:	6. A Monitor
WATER WELL CONTRACTOR'S [] Injection [] Other	Minouitor
SIGNATURELicense # 9239 DRILL METHOD: I certify that the information provided in this report is accurate and true. [] Rotary [] Cable Tool [] Combination	
I certify that the information provided in this report is accurate and true. [] Rotary [] Cable Tool [] Combination	1
Grout No. of Bags From (ft.) To (ft.) [] Jet DAuger [] Other	
Neat Cement: 1/4 941145 Measured Static Water Level: Measured Pumping Water Level	vel:
Allei Touls atOFIVI. Medauling r. (Describe)	-
Bentonite: Which isft.[] above [] below land surface Casing:[] Black Steel [] Galvanized [] Other:_	
WELL LOCATION: County HARDAF	ry 20 ft. or at ote cavities,
1 .=	l l
Sketch of well location on property APR 25 2007 Sketch of well location on property APR 25 2007 Sketch of well location on property Diameter: 2' From: 0.0 / 7.0 Rew Fw. To: 2.0' Signature Signature To: 2.0' To: 2.0'	SAND
APR 25 000 TO: 2.0	
RRD-TAMPA	
Official Use Only S	
To:	
CHEMICAL ANALYSIS WHEN REQUIRED Liner[] or	
Iron:ppm Sulfate:ppm Chlorides:ppm TDSmg/l Diameter:	
Conductivity umhos/cm Give distances from septic tank and house, or From:	
[] Lab Test [] Field Test Kit other reference points To:	
Pump Type	
[] Centrifugal [] Jet [] Submersible [] Turbine	
Horsepower: Capacity: GPM: Pump Depth: ft. Intake Depth: ft.	
Form LEG-R.005.00(10/05) Driller's Name (print or type): Tom CARNEY	
Form LEG-R.005.00(10/05) Driller's Name (print or type): Tom CARNET SAMS SROW	

Page 1 of 2 FDEP Facility Identification Number: Boring/Well Number: Permit Number: MW-12 758074 Borehole Start Time: 10:75 Borehole Start Date: 4/3/57 Site Name: HARDEE CO LANDFILL End Date: 4/3/07 End Time: 11:15 I PM Environmental Technician's Name: Environmental Contractor: Geologist's Name: JOHN FHUIL Borehole Depth (feet): Pavement Thickness (inches): Borehole Diameter (inches): Drilling Company: SPOOJEK
Drilling Method(s): OVA (list model and check type): Measured Well DTW (in feet after Apparent Borehole DTW (in feet FID PID water recharges in well): from soil moisture content): HOLAN STEN Backfill Stockpile Other Drum Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): Bentonite Backfill Other (describe) Borehole Completion (check one): Well Grout Lab Soil and Moisture Content Sample Recovery Sample Depth Interval (feet) Unfiltered OVA USCS Symbo Groundwater (per six inches) Filtered OVA Sample Type Depth (feet) SPT Blows Net OVA Sample Description Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) D REM FIS 0-51 3 $\mathfrak D$ LT BRU FIS S'-11' LT Brow F15 11-17' W

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon: ST = Shelby Tube; DP = Direct Push: SC = Sonic Core; DC = Drill Cuttings.

Moisture Content Codes: D = Dry: M = Moist: W = Wet; S = Saturated

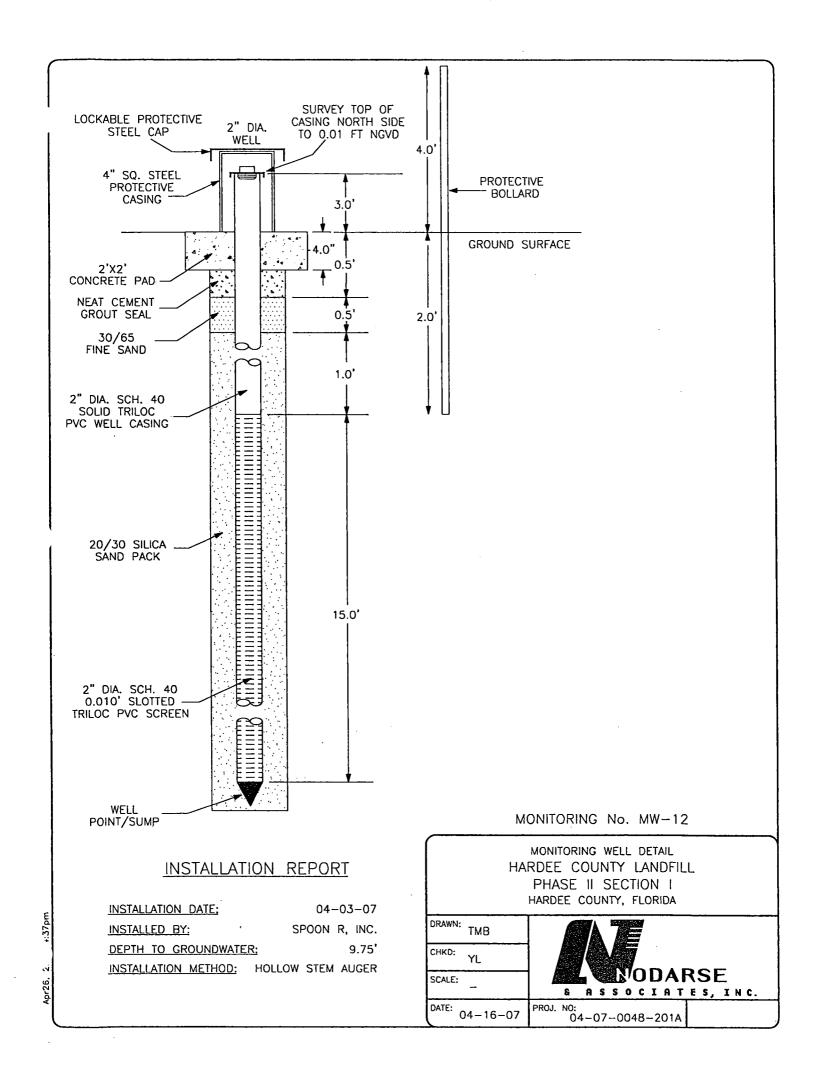
Page 2 of 2

Woisture O Sample Description Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R	Lab Soil and Groundwater Samples (list sample number
7,44,10	Lab Soil and Groundwater Samples (list
USCS Symple Description Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R Sample R S	Groundwater Samples (list
Type Type Type Type Type Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent Tontent	and depth or temporary screen interval)
- 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

		W	ELL CONSTRU	JCTION.	DATA						
Well Number:	Site Name:				FDEP Facil	ity I.D. Numbe	er: We	ll Install	Date(s):		
MW-12	Hard	dee Coun	ty Landfill, Hardee C	ounty	-	758074	İ	04/03	3/2007		
Well Location and Type (check a	ppropriate b	oxes):	Well Purpose: P	erched Monit	oring Well Install Method:				od:		
On-Site	Right-of-W	ay		-Table) Monitoring			llaur atau				
Off-Site Private Property					or Deep Monitoring						
Above Grade (AG)	Flush-to-Gr	ade	∏ R	Remediation or	r Other (describe) Surface Casing In			Casing In	stall Method:		
If AG, list feet of riser above land su	ırface:	3'				Pr	otective	casing			
Borehole Depth Well D	epth E	Borehole D	iameter Manhole Dia	meter	Well Pad Size:						
(feet): (feet):	(inches):	(inches):		2 feet	by2	feet				
Riser Diameter and Material:			Flush-Threaded		Riser Lengt	h: <u>5</u>	feet				
2" sch. 40 PVC	Conn	ections:	Other (describe)		;	from -2	feet to	_+3	feet		
Screen Diameter and Material:			Screen Slot Size:		Screen Leng	gth: 15	feet				
2" sch. 40 P	VC		0.010"			from 2	feet to	17	feet		
1 st Surface Casing Material:			1 st Surface Casing I.D	. (inches):	1 st Surface (Casing Length	;	feet			
also check: Permanent	Tem	porary				from 0	feet to		feet		
2 nd Surface Casing Material:			2 nd Surface Casing I.I	D. (inches):	2 nd Surface	Casing Length	ı:	feet			
also check: Permanent	Tem	porary			from 0 feet to feet						
3 rd Surface Casing Material:			3 rd Surface Casing I.D	D. (inches):	3 rd Surface	Casing Length	ı:	feet			
also check: Permanent	Tem	porary			ļ	from 0	feet to		feet		
Filter Pack Material and Size:	Prepacked	Filter Aro	und Screen (check one	:):	Filter Pack	Length:	_ 1	6 feet			
20/30 silica sand pack	▼ Yes		No		from 1	feet to	16	feet			
Filter Pack Seal Material and		2	0/65 fine sand	Filter Pack Seal Length: 0.5 feet							
Size:						from 0.5			feet		
Surface Seal Material:			Cement			al Length:	_0.				
				 	from 0.3 feet to 0.5 feet						
			· · - · · · · · · · · · · · · ·	, - · · - · · - · · - · · · ·							
		V	ELL DEVELO	PMENT	DATA						
Well Development Date:	1	Well Deve	lopment Method (chec	k one):	Surge/Pu	шр Г	Pump	Com	pressed Air		
04/03/07		Oth	er (describe)								
Development Pump Type (chec		Centrifugal	▼ Peristaltic	Depth to Gro	oundwater (b	efore develop	ing in fee):			
Submersible Other (des	cribe)					9.75	<u> </u>				
Pumping Rate (gallons per min	ute):		kimum Drawdown of Co elopment (feet):	Froundwater I	During	Well Purged l	Dry (chec	k one): No			
Pumping Condition (check one): Total	l Developn	nent Water	Developmen	t Duration	Development	Water Dr	ummed			
Continuous Intermitte		oved (galle		(minutes):	60	(check one):		Yes	V No		
Water Appearance (color and o	Water Appearance (color and odor) At Start of Development: Water Appearance (color and odor) At End of Development:										
. clou	dy; sulfurio	c odor			ра	rtly cloudy; s	ulfiric od	or			
	-										
V.	VELL C	ONST	RUCTION OR	DEVELO	PMENT	REMARI	KS				
			i i ja sa sa sa sa sa sa sa sa sa sa sa sa sa					· · · · · · · · · ·	<u>a ayayataayayayaddi</u>		



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN 05 2007

SOUTHWEST DISTRICT TAMPA



Attachment F-3

Well Completion Report P-17, P-18, P-19, P-20, P-21, P-22 and P-23

PERMIT #: 758 Indicate the number Indicate the number cancelled:		DIE doned for this report: it not drilled/abandon	#: ed that are being	OWNER'S NAME: ##ARDITE Co. REGIONAL SANETMLY COMPLETETION DATE: 4/2/07 Florida Unique I.D.: Parcel # (Pin): WELL USE: [] Public Supply [] Irrigation [] Domestic [>] Monitor [] Injection [] Other DRILL METHOD: [] Rotary [] Cable Tool [] Combination [] Jet
Grout	No. of Bags		To (ft.)	
Neat Cement: Bentonite: (Other)	1/2 94 15 BAS D SANO		1.0'	Measured Static Water Level: Measured Pumping Water Level: After Hours at ' GPM.
Latitude: TFLORIZE DATE STRECEIVED RECEIVED RRD-TAM	County HADDE 1/4 of Section 3. 1/4 of Section 3. 1/4 of Section 3. 1/4 of Section 3. 1/4 of Section 3.	Sketch of well local		[] Open Hole Depth Screen Depth Casing Diameter and Depth (fl.) From To Color Grain Size Type of Material Diameter: 2 Diameter: 2 Diameter: 2 Diameter: 2 Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color Color
Conductivity [] Lab Test [Pump Type [] Centrifugal [Sulfate:ppm /	2 2 -2 3 Give distances from sepother reference ble [] Turbine GPM: h:ft.	nce points	Liner [] or Casing [] Diameter: From: To: Driller's Name (print or type): Ton CARULY

Page 1 of FDEP Facility Identification Number: Permit Number: Boring/Well Number: P-17 758087 Borehole Start Date: 3-30-07 Borehole Start Time: 10:15 Site Name: End Time: 11:20 AM T PM HARDEE CO LANDFILL End Date: 3-30-07 Environmental Technician's Name: Geologist's Name: Borehole Depth (feet): Drilling Company: Pavement Thickness (inches): Borehole Diameter (inches): SPOONER Measured Well DTW (in feet after OVA (list model and check type): Apparent Borehole DTW (in feet Drilling Method(s): FID PID water recharges in well): from soil moisture content): HOLOW STEM Stockpile Other Spread Backfill Drum Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked); Grout Backfill Other (describe) Bentonite Borehole Completion (check one): Lab Soil and Moisture Content Sample Recovery Unfiltered OVA Sample Depth Interval (feet) USCS Symbo (per six inches) Groundwater Filtered OVA Depth (feet SPT Blows Net OVA Sample Description Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) D DERGERY FIS 0-Z 1 D BRUFIS 2-4 3 LT BEN FLS 4-5 M GRAY CLAYEY SAND 5-6 LT BEN CLAYEY SAND 8-10 W BELL CLAVEY SALD 10-12 11

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet; S = Saturated

Page 1 of Boring/Well Number: P-198 FDEP Facility Identification Number: Permit Number: 758082 Borehole Start Date: 3-30-05 Borehole Start Time: 17:35 AM F. PM Site Name: End Time: 1:10P AM PM HARDEE CO LAUNFILL End Date: 3-30-05 Environmental Technician's Name: Geologist's Name: Borehole Depth (feet): Drilling Company: Pavement Thickness (inches): Borehole Diameter (inches): SPONWER2 Apparent Borehole DTW (in feet OVA (list model and check type): Drilling Method(s): Measured Well DTW (in feet after FID PID from soil moisture content): water recharges in well): HOLLOW STERL Spread Drum | Backfill Stockpile Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): [Grout Well Bentonite Backfill Other (describe) Borehole Completion (check one): Lab Soil and Moisture Content Sample Recovery Sample Depth Interval (feet) Unfiltered OVA USCS Symbo (per six inches) Filtered OVA Groundwater Sample Type Depth (feet Net OVA Sample Description (inches) Samples (list (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) D DRUBBULFIS 0-5' 3 W W Berl Cap 9:11 W BRU CLAYEY SAND 11-12 W

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet; S = Saturated

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Boring	/Well N	umber:	P-1	9		Permit Number: FDEP Facility Identification Number:						n Number:	
		_,	,					58082	I				-
Site N		^				Borehole Start Date: 3-50-07 Borehole Start T				Time: 11:43	3	A	
 - 4		EU	o La	15Fil						Time: 12: 25			M PM
Enviro	onmenta	Contra	actor:			Geologi	st's Name	:		Environment			
					ln	ment Thickness (inches): Borehole Diameter (inches):					- Ho	ONIT Depth (f	Faat).
•	ng Comp	-			Paveme	nt Thick	ness (inch	nes): Borenole Dian	- lieter (inches):	Bot	enoie I	sehm ()	icci).
	ng Meth			Apparen	t Borehol	e DTW (in feet	Measured Well DTV	V (in feet after	OVA (list mo	del an	d check	type):
l .	للالاند		ξM			re conten		water recharges in				1	FID PID
Dispo	sition of	Drill C	Cuttings [check m	ethod(s)]:	D	rum Spread	Backfill	Stock	pile	r	Other
(descr	ibe if ot	her or 1	nultiple i	tems are	checkeg	<i>d):</i>							
Boreh	ole Con	pletion	(check c	ne):	P	Well	Grov	it Bentonite	Backfi		ther (c	lescribe	e)
						_							
		Š	<u></u>	d							٠ ر	Μď	Lab Soil and
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Z	Depth (feet)	Sampl	e Description		uscs	Moisture Content	Groundwater Samples (list
ple '	ple I	ple Reco (inches)	f Blo	ered	red (Net OVA	th (f	(include grain size ba	sed on USCS, od	ors, staining,	Syı	re C	sample number
Гур)epti (feet	cove (s)	ows	VO	OVA	\ \rac{1}{2}	eet)	and o	ther remarks)		Symbol	onte	and depth or temporary screen
	<u> </u>	ry	ಲ	>								nit	interval)
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							12						

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon: ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet: S = Saturated

Page 1 of Boring/Well Number: P-ZO FDEP Facility Identification Number: Permit Number: 758082 AM PM Borehole Start Time: 8:08 Borehole Start Date: 4-2-07 Site Name: HARDER CO. LANDFILL End Time: 8:59 AM PM End Date: 4-2-67 Environmental Technician's Name: Geologist's Name: Environmental Contractor: Borehole Depth (feet): Borehole Diameter (inches): Pavement Thickness (inches): Drilling Company: SPOONER OVA (list model and check type): Measured Well DTW (in feet after Drilling Method(s): Apparent Borehole DTW (in feet FID PID from soil moisture content): water recharges in well): HOLLOW STEIN Backfill Stockpile Other Drum Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): Backfill Other (describe) Grout Bentonite Borehole Completion (check one): Lab Soil and Moisture Content Sample Recovery Unfiltered OVA USCS Symbo (per six inches) Groundwater Filtered OVA Sample Depth Sample Type Interval (feet) Depth (feet SPT Blows Net OVA Sample Description Samples (list (inches) (include grain size based on USCS, odors, staining, sample number and other remarks) and depth or temporary screen interval) D DRKBENFIS O-Z' Bey FIS 2'-3 D LT BEN FIS 3'-5' D TAN FIS 5'-9' M LTTAN RISPI-12 11 LT TAN FIS 12' αl

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon: ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet; S = Saturated

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Boring/V	Vell N	umber:	P-2	{		Permit 1	Vumber:	758082		FDEP Facilit	y Ident	ificatio	n Numb	er:
Site Nam				·		Rorehat			Borehole Start	Time: O - 1-		ラノ.	м	PNΛ
		- ^	, , , ,	, N.O.		· · · · · · · · · · · · · · · · · · ·				Time: 9: 50			м	
Environ				JU (4	Geologi	End Da st's Name	te: 4-2-07	I End	Environment			·	
AHOH!	псига	COILLE	юю.			Corogi	JI S I VALIE			John				-
Drilling	Comp	any:			Paveme	ent Thick	ness (incl	nes): Borehole Diar	neter (inches):	Bor	ehole I	Depth (feet):	
<u>Sp</u>	DON			A	4 Da-sh 1	la DTW (in fort	Magazza d IV-II DOW	V (in feet offer	OVA (list mo	del on	d checl	(type).	
Drilling						le DTW (are conten		Measured Well DTV water recharges in	•	O AV (1121 III)	ווגי ויטני		FID f	. PID
H6LL Dispositi						· · · -	√ D		Backfill	Stock	pile		Other	
Disposition of Drill Cuttings [check method(s)]: Drum Spread Backfill Stockpile Other (describe if other or multiple items are checked):														
·			(check o			Well	☐ Gro	ıt Bentonite	☐ Backfi	ш го	ther (c	lescribe		
		-				_								
Sample Type	Sample Depth	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(include grain size ba	e Description used on USCS, od ther remarks)	ors, staining,	USCS Symbol	Moisture Content	Groun Samp sample and d tempora	oil and dwate les (list number epth or ary scree erval)
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							12	GROY FL	5 16			100		

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry; M = Moist: W = Wet: S = Saturated

Page 1 of Boring/Well Number: P- ZZ FDEP Facility Identification Number: Permit Number: 458082 Borehole Start Date: 3-30-07 Borehole Start Time: Z:10 AM PM Site Name: I AM V End Time: Z:41 HARDEE CO LANDING Environmental Technician's Name: Geologist's Name Borehole Depth (feet): Borehole Diameter (inches): Drilling Company: Pavement Thickness (inches): Spoonet OVA (list model and check type): Apparent Borehole DTW (in feet Measured Well DTW (in feet after Drilling Method(s): FID PID water recharges in well): from soil moisture content): HOLLOW STEM Other Stockpile Drum Backfill Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked); Grout Other (describe) Bentonite Backfill Borehole Completion (check one): Lab Soil and Sample Recovery (inches) Moisture Content Unfiltered OVA USCS Symbol Sample Depth Groundwater (per six inches) Filtered OVA Sample Type Interval (feet) Depth (feet SPT Blows Net OVA Sample Description Samples (list (include grain size based on USC's, odors, staining, sample number and other remarks) and depth or temporary screen interval) D BEN FLS 0-5 M BEN CLAY 5-6 BIZN CLAYEY SAUD 6-12 \mathcal{N} 10 11 BEN CLAYEY SAND 17 12

Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon: ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings Moisture Content Codes: D = Dry: M = Moist: W = Wet: S = Saturated

	Page 1 of												
Boring/	Well N	lumber	: P-2	₹		Permit 1	Number:	167.50		FDEP Facilit	y Ident	tificatio	n Number:
			·	<i></i>				758082				<u></u>	
Site Na		'	A .			Borehole Start Date: 3-30-67 Borehole Start T					_		M PM
			00 Lx	JUDF	-11	<u> </u>		te: 5-30-07	<u> </u>	Time: 3: 27			м Рм
Environ	menta	l Contr	actor:			Geologist's Name:				Environment			
Drilling	Comp	anv:			Paveme	nent Thickness (inches): Borehole Diameter (inches): 7'					y F. ehole ⊓	14 () Depth (feet):
	36M	-					,		pui (y•			
Drilling	Metho	od(s):				le DTW (Measured Well DTW		OVA (list mo	odel an		'
Hou				L		ire conten		water recharges in		<u> </u>			FID PID
			Cuttings [c			-	l D	rum Spread	Backfill	Stock	cpile	Γ	Other
			multiple ii					prisses.	guara.				
Boreho	le Com	pletion	n (check o	ne):		Well	Grov	ut Bentonite	│ Backfil	ц Гс	other (c	describe	e)
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	(include grain size ba	e Description sed on USCS, odo ther remarks)	ors, staining,	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
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Sample Type Codes: PH = Post Hole: HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry: M = Moist; W = Wet; S = Saturated

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA													
Well Number: Site Name:						FDEP Facility I.D. Number:				Well Install Date(s):			
P-17	ty Landfill, Hardee County			758082				03/30/2007					
Well Location and Type (ch	Well Purpose: Perched Monit			oring	Well In	Well Install Method:							
On-Site				r-Table) Monitoring			ں ا	Hollow stom augor					
Off-Site Private Prope				r Deep Monitoring				Hollow stem auger					
Above Grade (AG)	Remediation or			: Other (describe)			Surface	arface Casing Install Method:					
If AG, list feet of riser above la								Protective casing					
- I	ell Depth			Diameter Manhole Diameter			Well Pad Size:						
	et):	(inches):		inches):			2	feet	by _	2 fe	et		
Riser Diameter and Material: Riser/Scre			Flush-7	Threaded		Riser Length	h:	5	feet			i	
2" sch. 40 PVC	onnections:	Other (describe)			f	from	2_	feet t	.o <u>+</u>	3 fee	t		
Screen Diameter and Materi	Screen Slot Size:			Screen Length: 10 feet									
2" sch. 4	0.010"			f	from	2	feet t	o <u>1</u>	2 fee	t			
1 st Surface Casing Material:	1 st Surface Casing I.D. (inches):			1 st Surface Casing Length: feet									
also check: Permaner	,			f	from	0	feet t	.0	fee	t			
2 nd Surface Casing Material	2 nd Surface Casing I.D. (inches):			2 nd Surface Casing Length:feet									
also check: Permanent Temporary						f	from	0	feet t	io	fee	et .	
3 rd Surface Casing Material	3 rd Surface Casing I.D. (inches):			3 rd Surface (Casing	g Length	n:	fee	t				
also check: Permaner				1	from	0	feet t	to	fee	et			
Filter Pack Material and Size: Prepacked Filter Around Screen (check one):							Lengt	h:		11 fe	et		
20/30 silica sand pack	No			1	from	1	feet t	to <u>1</u>	2_fee	et			
Filter Pack Seal Material an	30/65 fine	fine sand		Filter Pack				0.5 fe	et				
0120.						from 0.5 feet to 1 feet							
Surface Seal Material:			Cement			Surface Seal Length: 0.17 feet							
		333				from 0.3 feet to 0.5 fee				et			
		·											
WELL DEVELOPMENT DATA													
Well Development Date:				Surge/Pump Pump Compressed Air									
04/02/07	er (describe)												
Development Pump Type (o	▼ . Per	Peristaltic Depth to Gro			oundwater (before developing in feet):								
Submersible Other		6.64											
Pumping Rate (gallons per	wdown of C	roundwater During Well Purged Dry (Dry (che	ck one):		= 1				
Pumping Condition (check	nent Water	· · · · · · · · · · · · · · · · · ·								 _			
Continuous Intermittent Removed (gall					Development Duration (minutes): 30		Development Water Dr (check one):			Yes			
Water Appearance (color ar		Water Appearance (color and odor) At End of Development:											
dar		cloudy; sulfiric odor											
	WELL	CONST	RUCTI	ON OR	DEVELO	PMENT	RE	MARI	KS				

Borehole Depth (feet):		· · · · · · · · · · · · · · · · · · ·	FIL CONSTRU	ICTION	DATA				
P-18	Y7_11 NT1	<u> </u>	EDD COMOLINO	 	<u></u>	Y.D. Monak	XX7-1	T	
Well Location and Type (check appropriate boxes):	I I		- to 1 am dEll Hardaa C	ı	i .	•	er: wei		• • •
Filter Pack Material and Size: 2 Feet to 1 2 2 2 3 4 5 4 5 4 5 4 5 4 5 5		 			l	58082	1,17,11 To ad		
Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Comp	Manu.		· '		-	_	Well Insta	all Metho	od:
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Borehole Depth Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Greet Gre			M I	emediation or	r Other (descri	ibe)	1	_	
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Riser/Diameter and Material: 2" sch. 40 PVC Screen Diameter and Material: 2" sch. 40 PVC Screen Diameter and Material: 2" sch. 40 PVC Screen Diameter and Material: 2" sch. 40 PVC Screen Solot Size: 3" Screen Solot Size: 5" Screen Length: 1" Surface Casing Material: also check: Permanent Temporary 2" Surface Casing Material: also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing I.D. (inches): also check: Permanent Temporary 3" Surface Casing Length: from 0 feet to feet 5" filter Pack Material and Size: Perpacked Filter Around Screen (check one): Filter Pack Seal Length: 11 feet 20/30 silica sand pack "Yes No from 1 feet to 12 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 1 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5" from 0.5 feet to 0.5 feet 5"	·	- 1		meter	Well Fau 512		by2	feet	
2" sch. 40 PVC Connections: Other (describe) Screen From -2 feet to +3 feet	Riser Diameter and Material:				Riser Length				
2" sch. 40 PVC	•		,	ļ				+3	feet
1st Surface Casing Material: also check: Permanent Temporary Permanent	Screen Diameter and Material:		Screen Slot Size:		Screen Leng	th: 10	feet		
also check: Permanent Temporary from 0 feet to feet 2 nd Surface Casing Material: also check: Permanent Temporary 2 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: also check: Permanent Temporary 3 nd Surface Casing I.D. (inches): also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check: also check	2" sch. 40 P	′C	0.010"		f	rom	feet to	12	feet
2nd Surface Casing Material: also check: Permanent Temporary 3nd Surface Casing I.D. (inches): also check: Permanent Temporary 3nd Surface Casing I.D. (inches): also check: Permanent Temporary 3nd Surface Casing I.D. (inches): also check: Permanent Temporary 3nd Surface Casing I.D. (inches): also check: Permanent Temporary 3nd Surface Casing I.D. (inches): also check: Permanent Temporary 5nd Surface Casing Length: from 0 feet to feet 5nd prom 0 feet to feet 6nd prom 0 feet to feet 6nd prom 0 feet to feet 6nd prom 1 feet 6nd prom 1 feet 6nd prom 1 feet 6nd prom 1 feet 6nd prom 1 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet 6nd prom 0 feet	st Surface Casing Material:	_	1 st Surface Casing I.D	. (inches):	1 st Surface C	Casing Length	ı;	feet	
also check:	ilso check: Permanent	Temporary		 	f	rom 0	feet to		feet
3rd Surface Casing Material: also check:	2 nd Surface Casing Material:		2 nd Surface Casing I.D). (inches):	2 nd Surface (Casing Length	n:	feet	
also check:	ilso check: Permanent	Temporary			f	rom 0	feet to		feet
Filter Pack Material and Size: 20/30 silica sand pack	-		3 rd Surface Casing I.D). (inches):	3 rd Surface (Casing Length	1:	feet	
20/30 silica sand pack			<u> </u>		f	from 0	feet to		feet
Filter Pack Seal Material and Size: 30/65 fine sand Filter Pack Seal Length: from 0.5 feet to 1 feet Surface Seal Material: Cement Surface Seal Length: from 0.3 feet to 0.5 feet The form 0.3 feet to 0.5 feet WELL DEVELOPMENT DATA Well Development Date: 04/02/07 Well Development Method (check one): 04/02/07 Surge/Pump Pump Compressed Contribugal Peristaltic Depth to Groundwater (before developing in feet): 7.89 Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):	i	Prepacked Filter Arc	ound Screen (check one)):	Filter Pack I	Length:		feet	
Size: Surface Seal Material: Cement Cement Surface Seal Length: from 0.3 feet to 0.5 feet O.5 feet O.5 feet O.5 feet O.7 feet From 0.3 feet to 0.5 feet O.7 feet O.8 Surge/Pump O4/02/07 Other (describe) Development Pump Type (check): Submersible Cother (describe) Other (describe) Other (describe) Other (describe) Maximum Drawdown of Groundwater During Mell Purged Dry (check one):		Yes Yes	No No		f	from 1	feet to	_12	feet
Surface Seal Material: Cement Cement Surface Seal Length: from 0.5 feet to 1 feet Surface Seal Length: from 0.3 feet to 0.5 feet WELL DEVELOPMENT DATA Well Development Date: 04/02/07 Well Development Method (check one): Other (describe) Development Pump Type (check): Submersible Cother (describe) Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):			30/65 fine sand		1	-		5 feet	
Cement from 0.3 feet to 0.5 feet									feet
## WELL DEVELOPMENT DATA Well Development Date: ## Other (describe) Development Pump Type (check):	Surface Seal Material:		Cement		1	_			
Well Development Date: O4/02/07 Development Pump Type (check): Submersible Contribus Centrifugal Peristaltic Depth to Groundwater (before developing in feet): 7.89 Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):					1	from 0.3	feet to	0.5	feet
Well Development Date: O4/02/07 Development Pump Type (check): Submersible Contribus Centrifugal Peristaltic Depth to Groundwater (before developing in feet): 7.89 Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):						1.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	anderlands	********	
O4/02/07									
Development Pump Type (check): Centrifugal Peristaltic Depth to Groundwater (before developing in feet): 7.89 Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):				k one):	Surge/Pu	mp 🗔 I	Pump	Com	pressed Air
Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):									
Pumping Rate (gallons per minute): Maximum Drawdown of Groundwater During Well Purged Dry (check one):		,	d Peristaltic	Depth to Gro	oundwater (be	•	-	1.	
	Pumping Rate (gallons per minu			roundwater I	During	Well Purged l			
Pumping Condition (check one): Total Development Water Development Duration Development Water Drummed	Dumning Condition (check one)			Developmen	+ Duration	· · · · · · · · · · · · · · · · · · ·	Water Dr.		-
	<u> </u>	1 -			ľ	_			V No
Water Appearance (color and odor) At Start of Development: Water Appearance (color and odor) At End of Development:	Water Appearance (color and or	or) At Start of Deve	elopment:	Water Appea	arance (color	and odor) At	End of De	velopme	:nt:
dark brown; sulfuric odor cloudy; sulfiric odor	dark br	own; sulfuric odor				cloudy; sulfi	ric odor		
							<u> </u>		
WELL CONSTRUCTION OR DEVELOPMENT REMARKS	V	ELL CONST	RUCTION OR I	DEVELO	PMENT	REMARI	KS		

				WELL (ONSTRI	UCTION	DATA				
Well Number:	1	Site Nan	ne:				FDEP Facil	ity I.D. Numb	er: V	Vell Install	Date(s):
P-19		H	ardee Co	unty Landf	ill, Hardee C	County		758082		03/3	0/2007
Well Location and Type (Well Pu	pose:	Perched Monit	toring		Well I	nstall Meth	iod:
On-Site		Right-of-	Way			Shallow (Wate		nitoring		lollow ste	m aliger
Off-Site Private Pro					[I	Intermediate o	r Deep Moni	itoring			
Above Grade (AG)	<u> </u>	Flush-to-	Grade		I I	Remediation of	r Other (desc	ribe)	Surfac	e Casing Ir	nstall Method:
If AG, list feet of riser above			3'			n				Protective	casing
=	Well De	epth			Manhole Dia	ameter	Well Pad S				
`	(feet):		(inches)		(inches):			2 feet		2 feet	
Riser Diameter and Mater	rial:	1	er/Screen	,	Threaded		Riser Lengt	th: 5	feet		
2" sch. 40 PV	C	Co	nnections	Other	(describe)					to <u>+3</u>	feet
Screen Diameter and Mat	erial:			Screen S	lot Size:		Screen Len	gth:10	feet		
2" sch.	. 40 P\	/C			0.010"			from 2	feet	to 12	feet
1 st Surface Casing Materi	al:			1 st Surfa	ce Casing I.I	D. (inches):	1 st Surface	Casing Length		feet	
also check: Perman	nent	T	emporary					from 0	feet	to	feet
2 nd Surface Casing Mater	ial:	-		2 nd Surfa	ace Casing I.I	D. (inches):	2 nd Surface	Casing Lengtl	h: _	feet	
also check: Permar	nent	T. T	emporary					from 0			feet
3 rd Surface Casing Materi	ial:			3 rd Surfa	ce Casing I.I	D. (inches):	3 rd Surface	Casing Length	n: _	feet	
also check: Perma	nent	T. Te	mporary				1	from 0	feet	to	feet
Filter Pack Material and S	Size:	Prepack	ed Filter A	round Scre	en (check one	e):	Filter Pack	Length:		11 feet	
20/30 silica sand pa	ıck	Y Y	es	ΠN	0			from 1	feet	to 12	_feet
Filter Pack Seal Material	and	-		20/6F F	a a a a a		Filter Pack	Seal Length:	_	0.5 feet	
Size:				30/65 fine	: sanu			from 0.5	feet	to _1	_feet
Surface Seal Material:				Ceme	ant		1	al Length:		0.17 feet	
				Ceme	ant .			from 0.3	feet	to <u>0.5</u>	_feet
				WELL	DEVELO	PMENT	DATA				
Well Development Date:			Well De	velopment l	Method (chec	ck one):	Surge/P	ump [Pump	Com	pressed Air
04/02/07	7	•		ther (describ	e)		_	•	-	•	-
Development Pump Type	(check	c):	Centrifu	gal 🔽 Pe	ristaltic	Depth to Gro	oundwater (b	pefore develop	ing in fe	eet):	
Submersible Other	er (desc							6.98			
Pumping Rate (gallons pe	er minu	ite):				Groundwater I	During	Well Purged	Dry (ch		
		- 		evelopment	······			Yes		No.	
Pumping Condition (chec				opment Wate	er	Developmen		Development			
Continuous Int			moved (g	·		(minutes):	30	(check one):		Yes	▼ No
Water Appearance (color	and od	lor) At S	tart of De	velopment:		Water Appea	arance (colo	r and odor) At	End of	Developm	ent:
d	lark bro	own; su	lfuric odd	or				cloudy; sulfi	ric odo	r	
											

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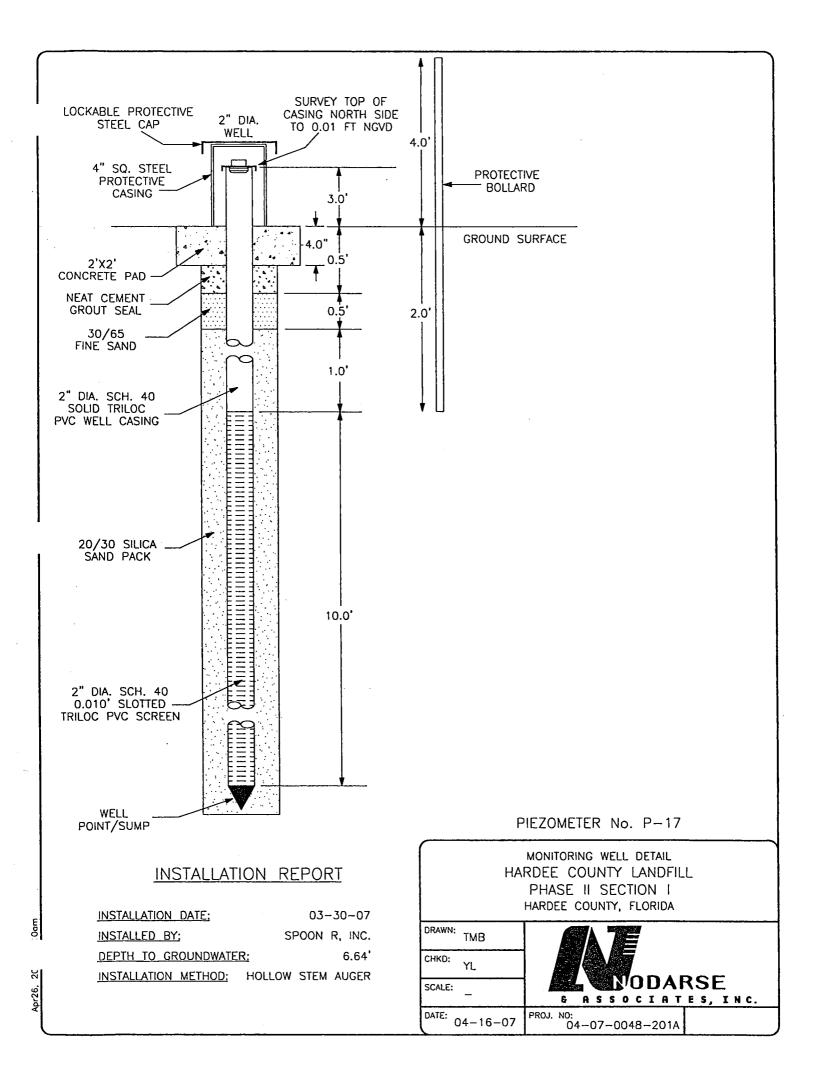
			V	VELL CONSTRI	UCTION	DATA				
Well Number:	1	Site Na	ime:		<u> </u>	FDEP Facil	lity I.D. Numbe	er: Wel	l Install	Date(s):
P-20	1	}	Hardee Cou	ınty Landfill, Hardee C			758082			2/2007
Well Location and Type	(check a	ppropri	ate boxes):	Well Purpose:	Perched Monit	toring		Well Inst	all Meth	ıod:
On-Site		Right-of	f-Way	₩.	Shallow (Water	r-Table) Mo	nitoring	ا	llour etc	m ollaar
Off-Site Private Pr	-			I.i.	Intermediate o	r Deep Moni	itoring			m auger
Above Grade (AG)	Į I	Flush-to)-Grade	_ I	Remediation of	r Other (desc	ribe)	Surface C	Casing In	nstall Method:
f AG, list feet of riser abov	e land su	rface:	3'					Pr	otective	casing
_	Well De	epth	Borehole	Diameter Manhole Dia	ameter	Well Pad S		-		
(feet):	(feet):		(inches):	(inches):		<u> </u>	2 feet	by2	feet	
Riser Diameter and Mate	erial:		iser/Screen	Flush-Threaded		Riser Lengt	th: <u>5</u> f	feet		-
2" sch. 40 P\	/C	C	onnections:	Other (describe)			from2	feet to	+3	feet
Screen Diameter and Ma	iterial:			Screen Slot Size:		Screen Len	gth: 10 f	feet		
2" sch	h. 40 PV	√C		0.010"			from 2	feet to	12	feet
1 st Surface Casing Mater	rial:			1 st Surface Casing I.D.	D. (inches):	1 st Surface	Casing Length	:	feet	
also check: Perma	anent	Π.	Temporary				from 0	feet to		_feet
2 nd Surface Casing Mate	rial:			2 nd Surface Casing I.I	D. (inches):	2 nd Surface	Casing Length	n:	feet	
also check: Perma	anent	□ °	Temporary				from 0	feet to		_feet
3 rd Surface Casing Mater	rial:			3 rd Surface Casing I.I.	D. (inches):	3 rd Surface	Casing Length	ı:	feet	
also check: Perm		ΓŢ	Temporary				from 0	feet to		_feet
Filter Pack Material and	Size:	Prepac	ked Filter Ar	ound Screen (check one	e):	Filter Pack			1 feet	
20/30 silica sand pa		₩.	Yes	No			from1	feet to	_12	feet
Filter Pack Seal Materia	l and			30/65 fine sand		Filter Pack	Seal Length:	_0.	5 feet	
Size: 							from 0.5			_ feet
Surface Seal Material:				Cement		Surface Sea	al Length:	0.		
							from0.3	feet to	0.5	feet
			·····	WELL DEVELO	<u> </u>	DATA				
Well Development Date	:		Well Dev	elopment Method (chec	ck one):	Surge/P	ump 🗀 P	-ump	Com	pressed Air
04/02/0	7		Ctl	her (describe)						
Development Pump Typ			Centrifuga	al Peristaltic	Depth to Gro	oundwater (b	efore developi	ng in feet):	
Submersible Otl					<u> </u>		8.6			
Pumping Rate (gallons p	er minu	te):		aximum Drawdown of C evelopment (feet):	Groundwater I	During	Well Purged I	Ory (check	one);	
D 1 G 111 (1		— <u>T.</u>					ļ			
Pumping Condition (che Continuous In In	eck one): itermitte:		otal Develop Removed (gal		Developmen (minutes):		Development (check one):			P=7
Water Appearance (colo					<u> </u>	30	L'		Yes	☑ No
`		•		•	water Appea	arance (color	r and odor) At	End of De	velopm	ent:
<u> </u>	dark bro	own; s	ulfuric odor				cloudy; sulfir	ic odor		
	W	ÆIJ	CONST	RUCTION OR	DEVELO	PMENT	REMARI	ζS		
					**					

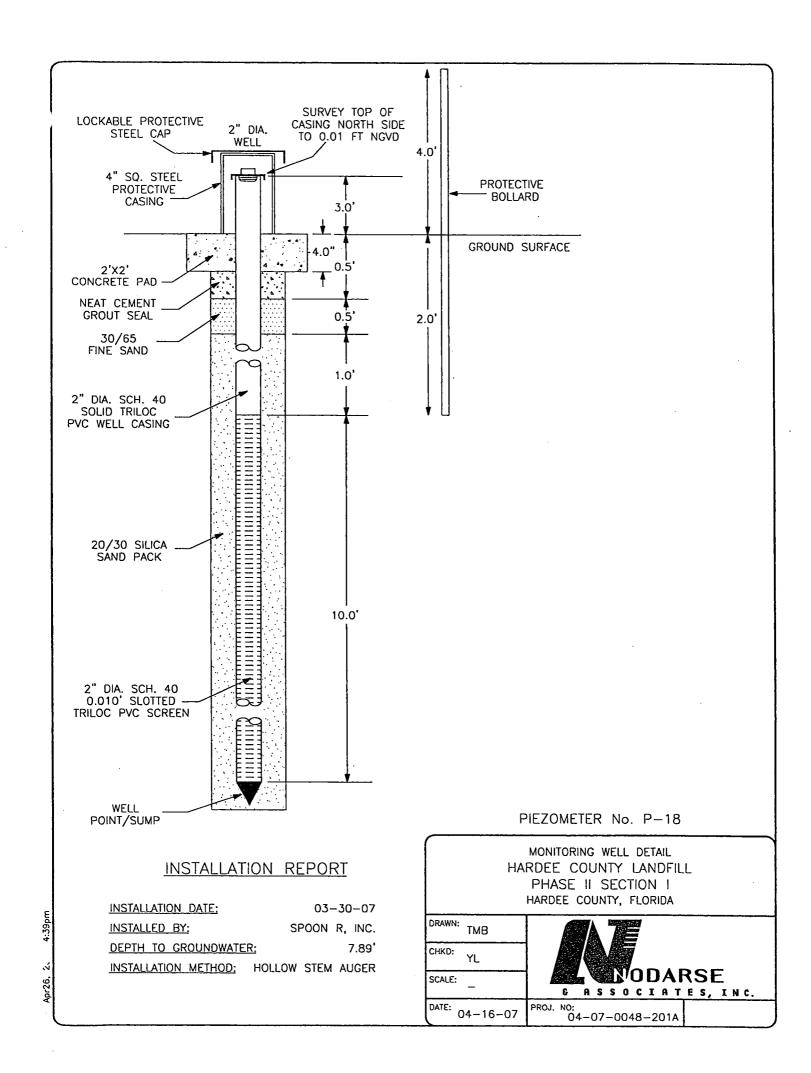
		w	ELL CONSTR	UCTION	DATA					
Well Number:	Site N	lame:			FDEP Facil	lity I.D.	Numbe	r: Well I	nstall	Date(s):
P-21		Hardee Coun	nty_Landfill, Hardee	County		758082	2			2/2007
Well Location and Type (check a			Well Purpose:	Perched Monit	oring			Well Install	Meth	od:
	Right-	of-Way	. 17	Shallow (Water	r-Table) Mo	nitoring	:	المالم.	w c+c-	m aliger '
Off-Site Private Property				Intermediate o						n auger
Above Grade (AG)	Flush-			Remediation or	r Other (desc	ribe)		Surface Cas	ing In	stall Method:
If AG, list feet of riser above land su								Prote	ective	casing
Borehole Depth Well D	-		Diameter Manhole Di	ameter	Well Pad S	ize:				
(feet): (feet):		(inches):	(inches):					by2	feet	
Riser Diameter and Material:	1	Connections	Flush-Threaded		Riser Lengt	_	5 f	eet		
2" sch. 40 PVC		Connections:	Other (describe)			from	-2	feet to	+3	feet
Screen Diameter and Material:			Screen Slot Size:		Screen Len	gth:	10 f	eet		
2" sch. 40 P	VC		0.010"	·		from _	2	feet to	12	feet
1 st Surface Casing Material:			1 st Surface Casing I.I	D. (inches):	1 st Surface	Casing l	Length:		feet	
also check: Permanent		Temporary]	from _	0	feet to		feet
2 nd Surface Casing Material:			2 nd Surface Casing I.	D. (inches):	2 nd Surface	Casing	Length	:	feet	
also check: Permanent		Temporary						feet to		feet
3 rd Surface Casing Material:			3 rd Surface Casing I.	D. (inches):	3 rd Surface				feet	
also check: Permanent		Temporary			1					feet
Filter Pack Material and Size:	Prepa	cked Filter Aro	ound Screen (check on	e):	Filter Pack	Length:		_ 11	feet	
20/30 silica sand pack	V	Yes	No No			from _		feet to		feet
Filter Pack Seal Material and		2	30/65 fine sand		Filter Pack	Seal Le	ngth:	0.5	feet	
Size:				···					1	feet
Surface Seal Material:			Cement		Surface Sea					
		~				from _	0.3	feet to	0.5	feet
	garana.									
		· · · · · · · · · · · · · · · · · · ·	VELL DEVELO							
Well Development Date:			lopment Method (che	ck one):	Surge/P	ump	P	ump	Comp	pressed Air
04/02/07		Oth	er (describe)	Ţ						
Development Pump Type (check Submersible Other (des	-	Centrifugal	Peristaltic	Depth to Gro	oundwater (t	efore de	evelopii 9.2	ng in feet):		
Pumping Rate (gallons per mini		Max	kimum Drawdown of G	Groundwater F	During	Well Pi		ry (check or	ne):	
	I	elopment (feet):			T Y			No No		
Pumping Condition (check one)		Total Developn		Developmen	t Duration	Develo	pment '	Water Drum	med	
Continuous Intermitte							one):	T Y		V No
Water Appearance (color and o	dor) A	t Start of Devel	lopment:	Water Appea	rance (colo	r and od	or) At I	End of Deve	lopme	nt:
cloud	dy; su	lfuric odor				clear;	sulfirio	odor		
			· · · · · · · · · · · · · · · · · · ·			<u> </u>				
V	VRI	LCONST	RECTION OR	DEVELO	PMFNT	DEM	IA DY	. G		

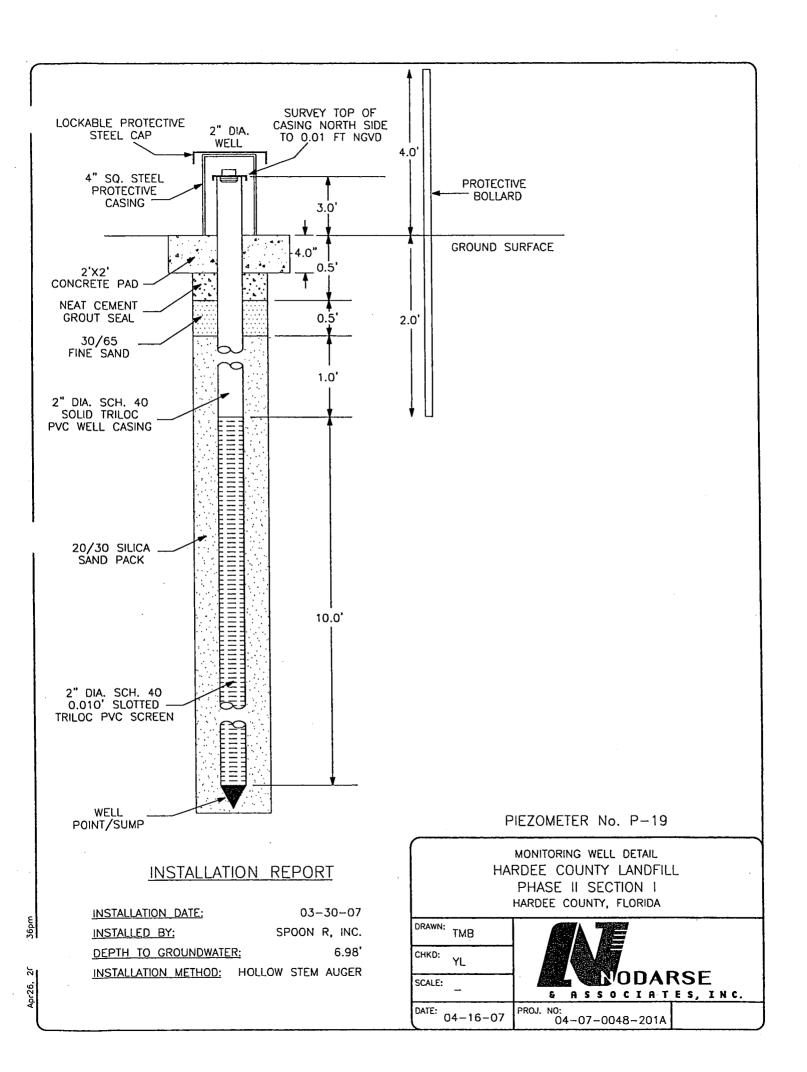
				WELL	CONSTR	UCTION	DATA					
Well Number:	S	ite Nar	ne:			 	FDEP Facil	ity I.D.	Numbe	er: Well I	nstall l	Date(s):
P-22					lfill, Hardee	County	1	758082				0/2007
Well Location and Type				Well Pu	ırpose:	Perched Monit	toring		-	Well Install	Meth	od:
☑ On-Site		ight-of-	-Way		N.	Shallow (Wate	r-Table) Moi		;	Holler	w etar	n auger
Off-Site Private Pr			a :	Ì		Intermediate o	_	_				
Above Grade (AG)						Remediation o	r Other (desc	ribe)		Surface Cas	ing In	stall Method:
If AG, list feet of riser abov			3'				T			Prote	ective	casing
- I	Well De	pth			Manhole Di	ameter	Well Pad Si		_			
	(feet):		(inches		(inches):		<u></u>			by 2	feet	
Riser Diameter and Mate			ser/Scree	, , ,	n-Threaded		Riser Lengt	_	5 f			
2" sch. 40 P\			onnection	Othe	r (describe)			from _	-2	feet to	+3	feet
Screen Diameter and Ma	iterial:			Screen	Slot Size:		Screen Leng	gth:	10 f	eet		
2" sch	n. 40 PV	'C		_1	0.010"	•	. :	from _	2	feet to	_12	feet
1 st Surface Casing Mater	rial:			1 st Surf	ace Casing I.I	D. (inches):	1 st Surface (Casing:	Length:	:	feet	
also check: Perma		Т	emporary							feet to		feet
2 nd Surface Casing Mate			_	2 nd Sur	face Casing I.	D. (inches):	2 nd Surface	Casing	Length	:	feet	
also check: Perma	anent	T	emporary	,						feet to		feet
3 rd Surface Casing Mater	rial:			3 rd Surf	face Casing I.	D. (inches):				·	feet	
also check: Perma	anent	To	emporary							feet to		feet
Filter Pack Material and	Size: P	repack	ed Filter	Around Scre	een (check on	.e):	Filter Pack				feet	<u> </u>
20/30 silica sand pa		∑ Y	es	Γ,1	То			_	1	feet to		feet
Filter Pack Seal Material	l and			30/65 fin	e sand		Filter Pack	Seal Le	ngth:	0.5	feet	
Size:					Junu			from	0.5	feet to	1	feet
Surface Seal Material:				Cem	ent		Surface Sea	al Lengt	th:	0.17	feet	
				30111				from	0.3	feet to	0.5	feet
		7										
				WELL	DEVELO	PMENT.	DATA					
Well Development Date:	:		Well D	evelopment	Method (che	ck one):	Surge/Pu	mp	P	ump [Com	oressed Air
04/02/0	7_			Other (descri			-	•		- /		_
Development Pump Typ			Centrif	ugal 🔽 P	eristaltic	Depth to Gro	oundwater (b	efore d	evelopii	ng in feet):		
Submersible Oth	her (descr	ibe)			1_			7.79				
Pumping Rate (gallons p		Maximum D Developmen		Groundwater I	During	Well P	_	Ory (check or	ne): No			
Pumping Condition (che	otal Devel emoved (g	lopment Wa gallons):	ter	Developmen (minutes):	1	Develo (check	-	Water Drum		▽ No		
Water Appearance (colo	r and odd	<u> </u>	Start of D	evelopment:		Water Appea		and od	lor) At I			
			ıric odor	•		F.F.				ılfiric odor	¥- 3-4-	
										~		-

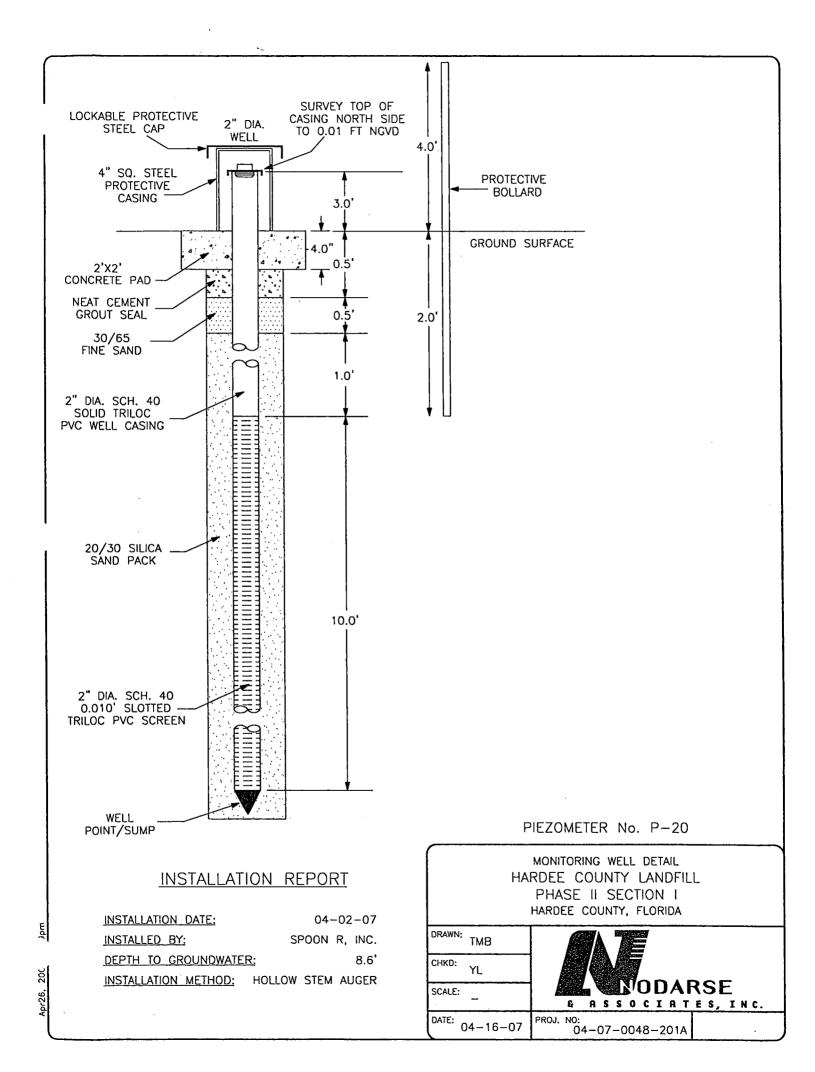
WE	LT: CONSTRUCTION OR DEVEL	LOPMENT REMARKS
	SS. COLLECTION OF SILE.	AND IVERTURE INCOME.
•		
	· ·	

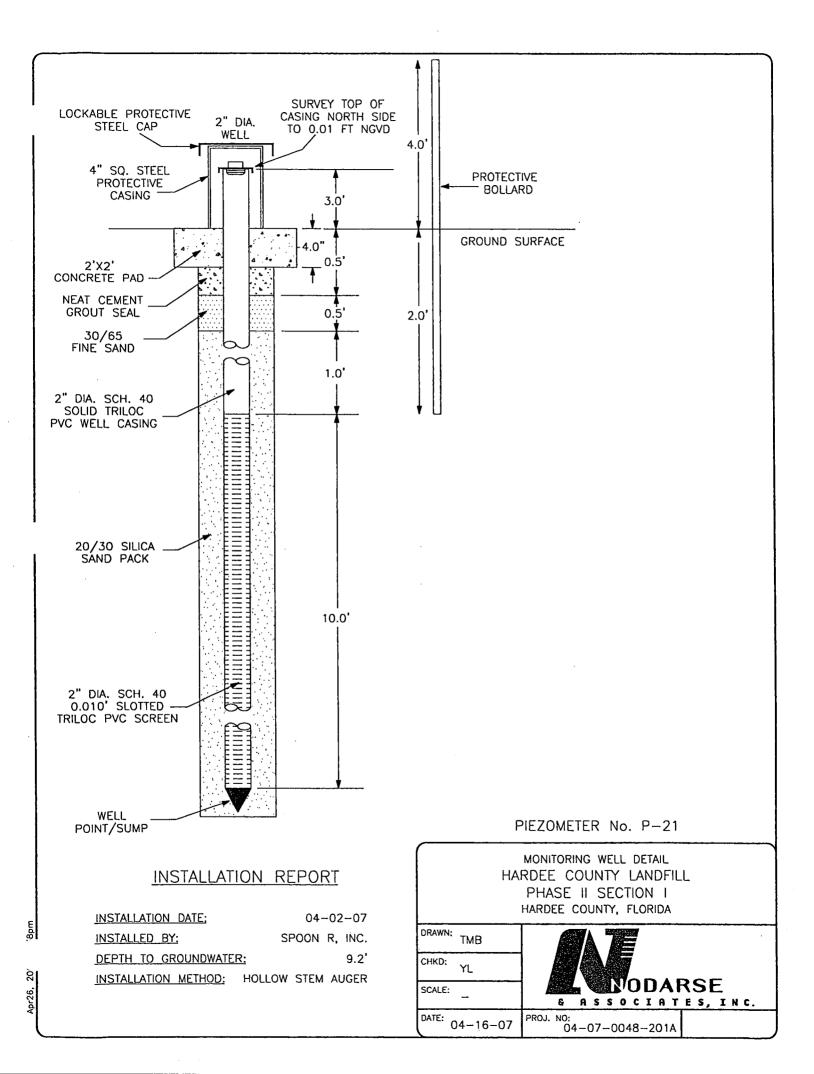
		W	ELL CONSTRI	JCTION	DATA				
Well Number:	Site	Vame:				ity I.D. Numbe	er: Well In	stall Da	te(s):
P-23			nty Landfill, Hardee C	County	ì	758082		03/30/2	` '
Well Location and Type (check approp	riate boxes):	Well Purpose:	Perched Monit	oring	- " ;	Well Install	Method	:
On-Site	Right	-of-Way	,	hallow (Wate	-	nitoring	Hallan		
Off-Site Private Pro	_		I	ntermediate o	r Deep Moni	toring		stem :	
Above Grade (AG)	Flush	-to-Grade		Remediation of	r Other (desc	ribe)	Surface Casi	ng Insta	all Method:
If AG, list feet of riser above							Prote	ctive ca	asing
- 1	Well Depth	l l	Diameter Manhole Dia	meter	Well Pad S				
(feet):	(feet):	(inches):	(inches):			2 feet	by <u>2</u>	feet	
Riser Diameter and Mater	rial:	Riser/Screen	Flush-Threaded		Riser Lengt	h: <u>5</u> f	eet		
2" sch. 40 PV	С	Connections:	Other (describe)			from2	feet to	+3_fe	et
Screen Diameter and Mate	erial:		Screen Slot Size:		Screen Len	gth: 10 f	eet		
2" sch.	. 40 PVC		0.010"			from 2	feet to	12 fe	et
1 st Surface Casing Materia	al:		1 st Surface Casing I.D	O. (inches):	1 st Surface	Casing Length:	: <u></u>	feet	
also check: Permar	nent .	Temporary				from 0	feet to	fe	eet
2 nd Surface Casing Materi	ial:		2 nd Surface Casing I.I	D. (inches):	2 nd Surface	Casing Length	ı:	feet	
also check: Permar	nent [Temporary				from 0	feet to	fe	eet
3 rd Surface Casing Materi	ial:		3 rd Surface Casing I.I	D. (inches):	3 rd Surface	Casing Length	: <u> </u>	feet	
also check: Perman	nent [Temporary				from 0	feet to	fe	eet
Filter Pack Material and S	Size: Prepa	acked Filter Arc	und Screen (check one	e):	Filter Pack	Length:	_11	feet	
20/30 silica sand pa	ick 🔽	Yes	No.			from 1	feet to	12 fe	eet
Filter Pack Seal Material	and	2	30/65 fine sand	,	Filter Pack	Seal Length:	0.5	feet	
Size:						from 0.5		1 fe	eet
Surface Seal Material:			Cement		Surface Sea	al Length:	0.17	feet	
				· · · · · · · · · · · · · · · · · · ·		from <u>0.3</u>	feet to	0.5 fe	eet
			ELL DEVELO	<u> </u>	DATA				
Well Development Date:	•		lopment Method (chec	k one):	Surge/P	ımp P	ump	Compre	essed Air
04/02/07	,	Oth.	er (describe)						,
Development Pump Type		Centrifugal	Peristaltic	Depth to Gro	oundwater (b	efore developi	ng in feet):		
Submersible Other	er (describe)					9.89			
Pumping Rate (gallons pe	er minute):		kimum Drawdown of Corelopment (feet):	Froundwater I	During	Well Purged D		e): No	
Pumping Condition (chec	ck one):	Total Develops	nent Water	Developmen	t Duration	Development	Water Drumr	ned	
	ermittent	Removed (gall-		(minutes):	30	(check one):	Ye		▽ No
Water Appearance (color	and odor) A	At Start of Deve	lopment:	Water Appea	arance (color	and odor) At l	End of Devel	opment	:
·	cloudy; sı	ulfuric odor				clear; sulfirio	c odor		
		<u> </u>		L		,			
		TOONET	RUCTION OR	DEVELO	DNADATO	DEMADL	70 00000000		

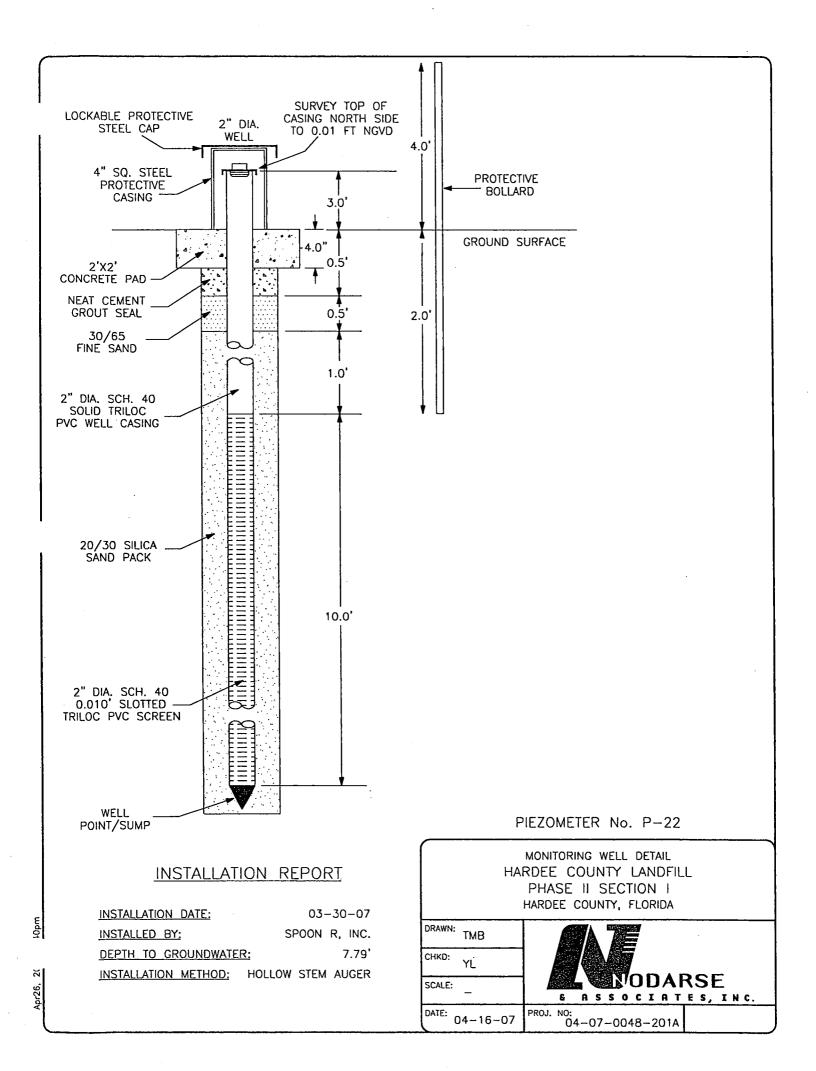


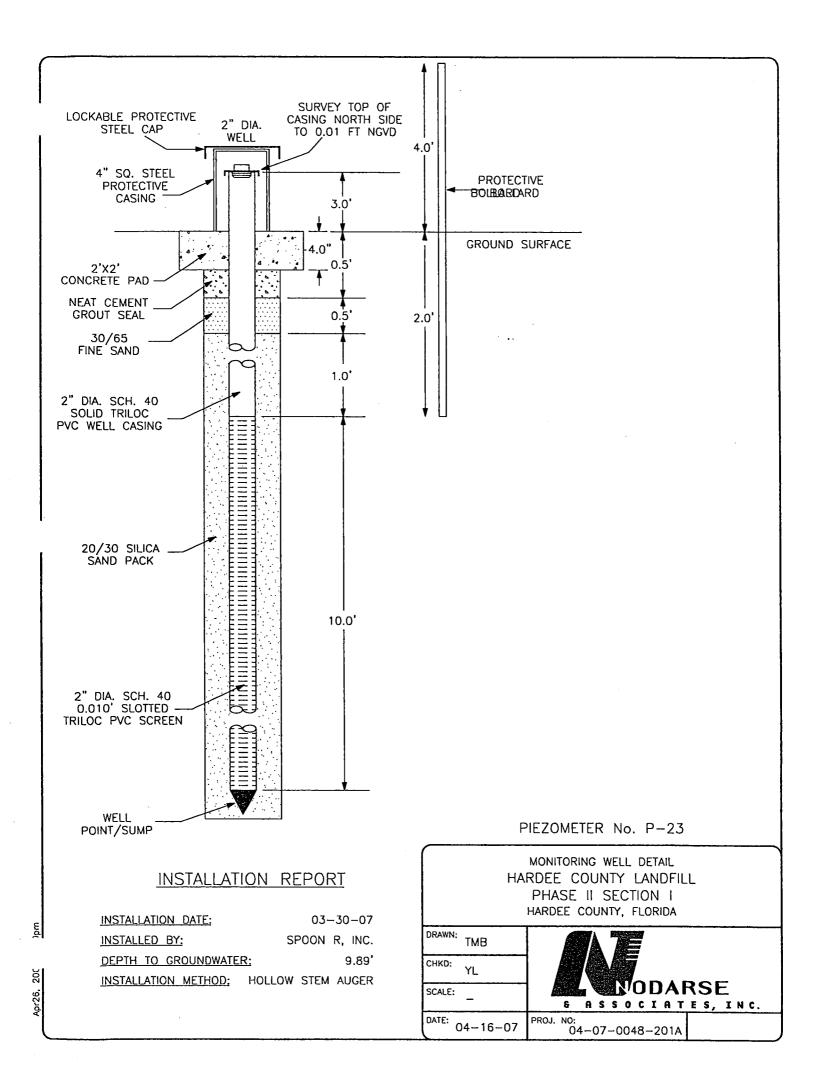












FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN 05 2007

SOUTHWEST DISTRICT TAMPA



Attachment F-4

Well Completion Report Abandon Monitoring Well MW-9

OF TH	
19	
160	12 Tab

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

Southwest

☐ Northwest☐ St. Johns River

☐ South Florida ☐ Suwannee River THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

Permit No738034.05
Florida Unique I.D.
Permit Stipulations Required (See attached) 04
62-524 Quad # Delineation #
CUP/WUP Application No.

		412 West Orange St		hula FI_FL	33873	
	Owner, Legal Name of Entity if Corport	ation Address	City	•	Zip	Telephone Number
2.	685 Airport Rd, Wauchula					·
	Well Location _ Address, Road Name of Parcel # (Pin)35-33-25-0000-	or number, City				
	Parcel # (Pin) 33-33-29-0000-	J6550-0000			····	
3.	Gregory Campbell	2613			(727) 561-7	
	Well Drilling Contractor	License			Telephone No.	NW NE
	4150 116th Terrace North	1	4. <u>4</u>	_ 1/4 of	/4 of Section 35	1 1 1
	Address				findiogra sten our ollar	9 1 3 1 1 <i>3</i>
	Clearwater FL		5. Towns	hip 33	Range 25	
	City State	Zip				
6.	HARDEE					
İ	County	Subdivision Name	Lot	Block	Unit	SW SE
	Marin de grande de violle 5	Check the use of well: (See back of permit for	المساماء المسالالماء	Domestic	Monitor (hype)	
,	• •					
	Irrigation (Type)	Public Water Supply (type)	List C	ther Plugge	≆ a	·
	(See Back)	ft. Description of facility	Landfiii ⊨.	stimated start	of construction date	4/12/2006
						Date Stamp
8.	Application for: New	Construction Repair/Mod	lify Abando	nment (Reason	for Abandonment)	Date Stamp
q	Estimated: Well Depth 15	Casing Depth	5	Screen Interval	fromto	
٠.	Casing Material: XXX	SENSE / SENS / PVC Casing Diameter	. 2			
	Manufacture Duranesis - Francisco	to 15 Seal Mate	smallest Cement			4/07/2006
١٥.						
	. •	to Seal Mate		Draw a map of w	ell location and indicate w	eli site with an "X" klentify kn
ĺ		ı to Seal Mate			arks: provide distances be	
11.		(check one) Diameter	-		North	
	Blk-Steel / Galvanized / PVC	Other (specify:)	 	}	4	
12	Method of Construction:I	Rotary Cable Tool	_ Combination	1	ity is a land fill o	
	Auger Oth	er (specify:)Plugged by approve	ed method	Rd. Nort	h of E. Main Stre	et
	- Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	30 List number of unused wells o				•
13.	, indicate total No. of wells on site	List number of unused wells o	n site	West		
14	. Is this well or any other well or water	withdrawal on the owner's contiguous p	property, covered	*		
	•	rmit (CUP/WUP) or CUP/WUP Applica		1.		
	(IF YES, COMPLETE THE FOLLOWING)	CUP/WUP No				
	District well I.D. No.					
l		Longitude				
1				,	South	
		p or survey (map datum N	NAU 21 NAU 83	→		
15	. I hereby certify that I will comply with the applicable and that a water use permit or artificial recharge pe	mnit, if needed, has been or will be obtained	responsibilities under Chap	ter 375, Florida Statut	tes, to maintain or properly ab	curate, and that I am aware of my eardon this well; or, I certify that I
١	prior to commencement of well construction. I furth application is accurate and that I will obtain necess	ary approval from other lederal, state, or local				ave informed the owner of his re- representative access to the well
	governments, if applicable, I agree to provide a we after drilling or the permit expiration, whichever occ					
	Digitally Signed	2613	Digitally Sign	edbe		4/7/2006
L	Signature of Contractor	License No.	(Owner's or Agent		Date
		DO NOT WRITE BELOW THI	S LINE - FOR OFFI			
	Approval Granted By: Nicki	Callihan	Issue Dal	_{e:} 04/10/0	06 Hvdr	ologist Approval
	Owner Number: 303367					initi
	Owner Number: 303301	Fee Received: S	S UU.UU R	eceipt No.:	Che	eck No.:

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. This permit is valid for 90 days from the date of issue.

WELL COMPL	ETION REPO	RT (Please complete	in black ink or type.)										
Indicate the number	of wells drilled/abar of wells permitted	#t DID ndoned for this report but not drilled/abandon	3										
WATER WELL CONTRACTOR'S SIGNATURE Digitally Signed License # _2813 I certify that the information provided in this report is accurate and true. Grout No. of Bags From (ft.) To (ft.)													
Grout	No. of Bags	From (ft.)	To (ft.)										
Neat Cement:	·												
Bentonite:													
(Other)													
WELL LOCATION: County Hardee 4 1/4 of 2 1/4 of Section 35 Township 33 Range 25 Latitude: Longitude: Longitude: Sketch of well location on property													
	o Only	Sketch of well loca	lion on property										
CHEMICAL AMALYSIS WHEN RECOURED fron:ppm Sulfaie:ppm Chlorides:ppm TDSmg/l Conductivityumhos/cm													
Horsepower: Pump Depth:	Capacity:	oth: fl.	_										
Form LEG-R.005.00(1	<u>0.05)</u>	Y***											

OWNER'S NAME: 1	iardee Co	anty BCC						
COMPLETETION DAT				(D.:				
Pancel # (Pin): 35-3	33-25-000X	3-06550-0X	XXX					
WELL USE:								
[] Public Supply [] Irrigation [] Domestic [] Monitor								
[] Injection [X] Other Plugged								
DRILL METHOD:								
[]Rota	ry	[]Cable T	ool [Combina	tion				
{]Jet		[]Auger	(X) Other P	ugged				
Measured Static Water	r Level:	Meas	sured Pumping Water	Level:				
Measured Static Water After Hours et	GPM.	Meas	suring Pt. (Describe):					
Which is ft. (1)	above [1	below land s	unface	1				
Casing: [Black Ste	ei []Gath	anized [PVC []Othe	r				
[] Open Hole	Depth (feet)		DRILL CUTTINGS LOG					
Screen			Examine cultings every 20 ft. or et					
			formation changes					
Casing Diameter	From	To	depth to producing zones.					
and Depth (ft.)			Color Grain Size	Type of Material				
Diameter:	Plugged							
From:	. 20000							
To:								
Diameter	-							
From:								
To:								
								
Liner] or								
	Casing[]							
Dlameter: From:								
To:			<u> </u>					
	 		<u></u>					
	l							
EINICUs Diversal								
FINISH: Plugged								
Drillaria Nama (aria) or tu	wej.							

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		RT (Piease complete i	•••	OWNER'S NAME:	Hardes Court	ity BCC	
PERMIT # 73803	4.05 CUP/MUP# of wells drilled/aband	#:	COMPLETETION DATE: 04/12/2006 Florida Unique I.D.:				
	of wells permitted bu	it not drilled/abandone		Parcel # (Pin): 35- WELL USE:	33-25-0000-	06550-0	000
WATER WELL CON	VTRACTOR'S			[] Injiec	lic Supply { ction (X) Other) langatio Plugge	n []Domestic []Monitor
		License # _26		DREL METHOD:			
t carmy that the into		nis report is accurate a		[] Kot	≆ γ [Cable T	ool [] Combination
Grout	No. of Bags	From (ft.)	To (ft.)				X Other Plugged
Neal Cement:				Measured Static Wat	er Level:	Mea	sured Pumping Water Level:
Bentonite:				Which isfl. []	GPM. ahove 1 ba	Mea: May land	suring PL (Describe):
(Other)				Casing: [] Black Sta	el []Gatvar	iized (IPVC []Other:
	1/4 of Section3	35 , Township 33		[] Open Hole [] Screen	Depti (feet)	h)	DRILL CUTTINGS LOG Examine cultings every 20 ft. or et formation changes. Note cavilies,
DATE ST		ongitude; Skelch of well locati		Cesing Diameter and Depth (R.)	From	To	depth to producing zones. Color Grain Size Type of Material
DASEON		Chan or Hun social		Diameter: From: To:	Plugged		
Official Use	Only			Diameter: From: To:			
CHEMICAL AVALYSIS V Iron:ppm Su	dfate:ppm			Liner[]or Casing[]			
Chlorides: pon	n TDS mg/l	·		Diameter:			
Conductivity	10/10/19/00/1	ive distances from seption other reference		1 (28)11			
[[Lab Test [] Pump Type	ræd iest nit	TON INDICATE	o positio	To:	}		
	Jet [] Submersit	nla I Terrhina		 	L		
	Capacity:						
Pump Depth:	f. Intake Depti	rfl		FINISH: Plugged	·		
Form LEG-R 005.00(10	1/05)	·		Orlier's Name (print or ty	pe):		

WELL COMPL	ETION REPO	PRT (Please complete	in black ink or type.)			
PERMIT # 73803	4.05 CUP/WUF	#:DD	#			
Indicate the number	of wells of Dediaba	endoned for this report: _	1			
Indicate the number	of wells permitted	but not drilled/abandons	d that are being			
cancelled: 0						
WATER WELL CON	ITRACTOR'S					
SIGNATURE Dig	itally Signed	License #26	13			
I certify that the info	rmation provided in	this report is accurate a	ind true.			
Grout	No. of Bags	From (fL)	To (ft.)			
Neat Cement:						
Benioniie:						
(Other)						
WELL LOCATION:	County Hardes)				
4 1/4 of 2	1/4 of Section	35 Township 33	, Range_ 25			
Latitude:		_ Longitude:				
DATE ST	ALITY I	Sketch of well local	ion on namedy			
DATE ST.	AUNIT	Charles of standard	zen en histori)			
	11					
}	1.1					
] [
	11		Į			
Official Use	±Onby					
CHEMICAL ANALYSIS	WINEN BECK BOED					
iron: ppm Si						
Chlorides: por	n <u>TDS</u> mg/l					
Conductivity [] Lab Test [umhos/cm	Give distances from sept other referen				
] Field Test Kit	One reser	re frage			
Pumo Type	1 1.4 - 1 10.4	ماخله (۱ Trobins				
[] Centrifugal [] Jet [] Submersible [] Turbine Horsepower: Capacity: GPM:						
Pump Depth:	Capacity	orm,	-			
Form LEG-R 005 0001		·				

OWNER'S NAME: _ H	lardee Co	unty BCC						
COMPLETETION DAT	IE: <u>04/12</u>	/2006	Florida Unique (.D.:					
Parcel # (Pin): 35-3	3-25-000)-06550-00)00					
WELL USE:								
		[] Imigation						
[Injection [X] Other Plugged								
DRILL METHOD:		.						
[]Rota	ıy	[] Cable To	ool [] Combination					
[] Jet		Auger	Other Plugged					
Measured Static Wale	x Level:	Meas	sured Pumping Water Level:	7				
AfterHours at	GPM.	Meas	suring Pt. (Describe):	ı				
Which isft.[]	strove []	below land a	surface	ļ				
Casing: [] Black Ste	el []Gan	renized [] FVC [] Other:	1				
Open Hole	De	oth :	DRILL CUTTINGS LOG	1				
Screen	(fisel)		Examine custings every 20 ft. or at					
			formation changes. Note cavilies,	ł				
Casing Diameter	From	To	depth to producing zones.	١				
and Depth (fL)			Color Grain Size Type of Material	ı				
Diameter:	Pkigged			1				
From:	1.272,000			1				
To:				1				
Piamatas				1				
Diameter: From:	ļ			┨				
To:				-				
				-				
Liner[] or				_[
Casing[]				1				
Prom:				j				
To:				1				
				1				
				1				
EiNicki- Disposed				1				
FINISH: Plugged				T				
Orliada Nama (orial or to	nol·							

Fold at this line in order that address

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

☑ Southwest

□ Northwest

☐ St. Johns River ☐ South Florida

☐ Suwannee River

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate

delegated county where applicable.

Permit No/38035.02	
Florida Unique I.D.	
Permit Stipulations Required (See attached)	
04	
62-524 Quad # Delineation #	
CUP/WUP Application No.	

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM ABOVE THIS LIMIT FOR OFFICIAL USE ONLY **Hardee County BCC** Wauchula FL 412 West Orange Street 33873 Owner, Legal Name of Entity if Corportation Address City Zip Telephone Number 2. 685 Airport Rd, Wauchula Well Location _ Address, Road Name or number, City Parcel # (Pin) 35-33-25-0000-06550-0000 **Gregory Campbell** 2613 <u>(727) 561-7477</u> Well Drilling Contractor License No. Telephone No. 4150 116th Terrace North 1/4 of Section (Indicate Well on Charl) Clearwater 33762 33 5. Township . Range City 6, HARDEE County Subdivision Name Lot Block Unit 7. Number of proposed wells 2 Check the use of well: (See back of permit for additional choices) Domestic Monitor (type) Irrigation (Type) Public Water Supply (type) _ List Other Plugged (See Back) _ft. Description of facility Landfill 4/12/2006 Distance from septic system_ Estimated start of construction date Abandonment NO LONGER IN USE New Construction _ Repair/Modify . Date Stamp 8. Application for: (Reason for Abandonment) 9. Estimated: Well Depth Casing Depth ... Screen Interval from... Casing Material: XXXXXXX / SXI / PVC Casing Diameter Seal Material_ Seal Material Cement SWFWMD Rec'd Date04/07/2006 __ to __13 10. If applicable: Proposed Grouting interval Seal Material Draw a map of well location and indicate well site with an "X" identify known _ Seal Material _ to __ roads and landmarks: provide distances betwen well and landmarks. __ (check one) Diameter. North Telescope Casing ____ or Liner. Other (specify:)_ Bik-Steel / Galvanized / PVC The facility is a landfill on Airport Rotary_ 12. Method of Construction: _ Cable Tool _ Rd. North of E. Main St Other (specify:) Plugged by approved method 13. Indicate total No. of wells on site 25. List number of unused wells on site 2. 14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? 1 No ___ Yes (IF YES, COMPLETE THE FOLLOWING) CUPMUP No. _ District well I.D. No. __ Latitude Longitude . Data obtained from GPS ____ or map ____ or survey ____ (map datum NAD 27_ NAD 83_ 15. I hereby certify that I will comply with the applicable rules of Title 40. Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain neoccary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occure first. I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsabilities under Chapter 373, Florida Stabiles, to maintain or property abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have Informed the owner of his responsibilities as stated above. Owner coments to personnel of the WMD or a representative access to the well cite. **Digitally Signed** 2613 **Digitally Signed** 4/7/2006 License No Signature of Contractor Owner's or Agent's Signature Date DO NOT WRITE BELOW THIS LINE -FOR OFFICIAL USE ONLY Approval Granted By: Nicki Callihan

Owner Number: 303367 Fee Received: \$ 00.00 ... Receipt No.: .. Check No.: ...

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. This permit is valid for 90 days from the date of issue.

Issue Date:

FORM 41.10 - 410 (1) REV. 12/04

WHITE-YELLOW: PINK:

04/10/06

ORIGINAL FILE DRILLING CONTRACTOR

OWNER

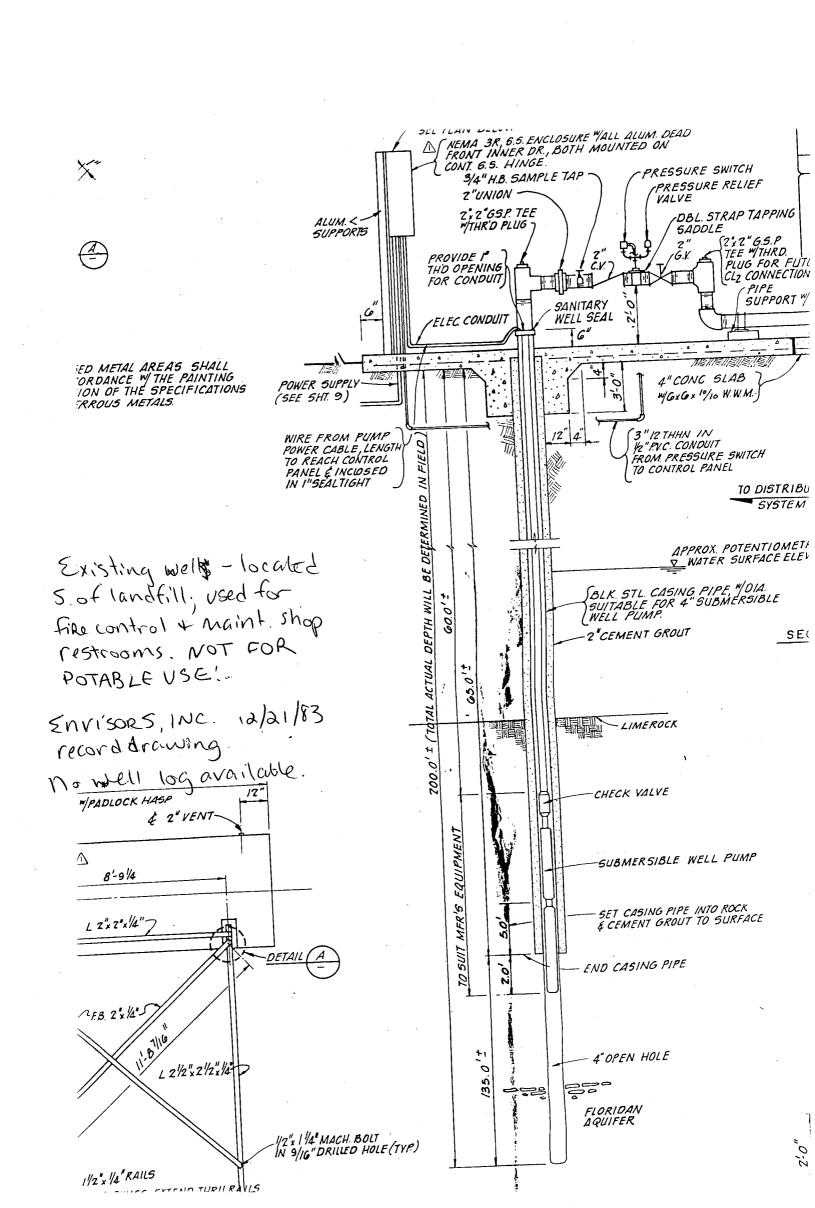
Hydrologist Approval _

·		#:DD	
ERMIT #: /38033	.UZ CUPMUF	ndoned for this report.	2
ndicate the number of ancelled:	of wells permitted b	out not drived/abandone	ed that are being
VATER WELL CON	ally Signed	License# <u>28</u> this report is accurate a	i13
Grout	No. of Bags		
Neat Cement:	140.010030		
Bentonite:			
(Other)		 	
	Hardee	!	
WELL LOCATION: C	1/4 of Section	35 Township 3	3 , Range 25
atitude:		Longitude:	
		Sketch of well loca	Son on property
DATE ST/	AND THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER	Chock of Man 15	
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Official Use	Only		
CHEMICAL ANALYSIS I	WHEN REOURED		
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Chlorides: ppn	n <u>TDS</u>		state and second second
Conductivity	umhos/cm	Give distances from sep other refere	
[] Lab Test [j Field Test Kit	OGEN TOWNS	
Pump Type		arible I 1 Trubino	
[Centrifugal	Jel Sudme	(29046 []Internate	
	Consider	CDM-	
Pump Depth:	Capacity:	GPM:	-

OWNER'S NAME: H	ardee Cou	inty BCC				
COMPLETETION DAT	E: 04/12/	2006	Florida Unique LD.:			
Parcel # (Pin): 35-3						
WELL USE:						
[] Public	с Ѕцорку	Irrigation	[] Domestic [] Monitor			
		Y Plugged				
DRILL METHOD:						
[]Rotar	y i	[] Cable To	ool [] Combination			
[] Jet	·	Auger	Other Plugged			
Moneyrori Static Water	r I avel-	Maas	uned Pumoino Water Level:			
After Hours at	GPM.	Meas	sured Pumping Water Level: suring Pt. (secolor):			
Which is ft. la	abows ()	DISION LAND 9	LETTECS			
Casing: [Black Stee	al []Gañv	anized (PVC []Other:			
(10,000 10-10	Pa	ath	DRILL CUTTINGS LOG			
[] Open Hale [] Samen		eth en	Examine cuttings every 20 ft. or at			
Liensen	(feet)		formation changes. Note cavities,			
Casing Diameter		Ta	depth to producing zones.			
and Depth (fl.)	From	10	Color Grain Size Type of Material			
Diameter:	Piugoed					
From:						
To:						
Diameter:						
From:						
Ta:						
Inut las						
Liner[] or Cesing[]						
Diameter						
From:						
To:						
FINISH: Plugged						
Orllier's Name (print or ty	rpe):					

Media Insert

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Pride Box Number:	DEPS S11_B1733	
Preindex ID Number:	143 1218	
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	CD/ DVD Disk	
X	Floppy Disk	
	Negatives	
	IM FORD RDEE CO.	



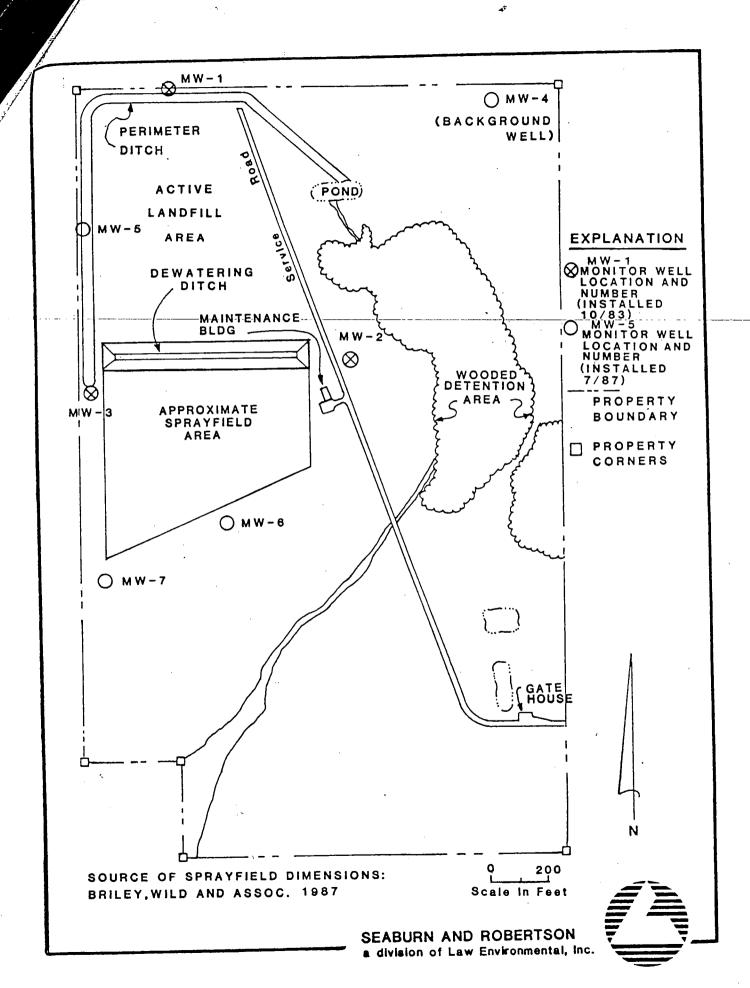


FIGURE 2.- LOCATION OF MONITOR WELLS.

Table 1. - Monitor Well Construction Data.

₩ell ID.	Lati Long	tude/ itude		Total	Height	Well	Casing Length (feet)		Screen Length	Aquifer	
#¥-1	27 81			11.0	1.79	: 4	7.8	Threaded Flush Joint Schedule 80 PVC, .010-inch Slotted Screen	5	Surficiel	394 056-20
NK-2		34' 46'	53"	10.5	2.33	4	7.8	Threaded Flush Joint Schedule 80 PVC, -010-inch Slotted Screen	5	Surficial	384055-20
₩-3	-	34′ 47′	-	15.2	1.82	4	12.0	Threaded Flush Joint Schedule 80 PVC. .010-inch Slotted Screen	5	Surficial	384054-20
MW-4		34' . 46'		18.9	3.32	2	12.2	Threaded Flush Joint Schedule 40 PVC, .010-inch Slotted Screen	10	Surficial	435630-20
MW-5		341 471		18.1	2.95	3	:1.0	Threaded Flush Joint Schedule 40 PVC, .010-inch Slottef Screen	10	Surficial	435679-20
MW-6		34′ 46′		21.0	3.30	2	14.3	Threaded Flush Joint Schedule 40 PVC, -010-inch Slotted Screen	10	Surficia!	435612-20
HW-7	_	361 471		21.0	3.16	2	14.2	Threaded Flush Joint Schedule 40 PVC, .010-inch Slotted Screen	10	Surficial	435613-20

BEST AVAILABLE COPY

TEST BORING RECORD

DEPTI	· · · · · · · · · · · · · · · · · · ·	ELEVATION (FT.)	PENETRATION (BLOWS/FT.)	
		0	10 20 30	50
0.0	SAND - Lt.gray-tan,f.gr.,w. sorted,mod.loose,quartz;no odor.	78.0	4	6-4-5 18
4.5 6.5	SANDY CLAY - Mottled tan,	73.0		9-5-16 18
12.0	SAND and SANDY CLAY - Tan, f.to med.gr.quartz sand, with mottled green-gray and orange sandy clay seams.	68.0		11-15-16
18.'		63.0		
	BORING TERMINATED AT 18.9 FEET.	58.0		
		53.0		
		48.0		
		43.0		

TEST BORING RECORD

DEPTH (FT.)	DESCRIPTION	ELEVATION (FT.)	PENETRATION (BLOWS/FT.)		REC
0.0 [0	10 20 30	50	
3.5 4.5	SAND - Lt.tan-gray to dark brown-gray, f.gr., w. sorted, quartz; no odor.	80.0		4 -6-10 5-5-5	18
7.5	SILTY CLAY - Gray-tan to gray-brown,si.plastic.			2-6-14	18
11.5	SANDY CLAY - Tan-gray,stiff mod.plastic,minor organic sand seams;no odor.	75.0	· - -	4-6-7	18
14.5	SAND - Lt.tan-gray,f.gr. w/ sorted,quartz;no odor.	70.0	•	14-12-7	18
18.0	PHOSPHATIC SAND - Med.tan- gray,coarse gr.,poor.sort., sl.clayey.	45.0		3-5-8	18
	CLAY - Green, v. stiff, plast.	60.0			
	SILTY SANDY CLAY - Mottled orange and gray-green, very stiff, sl.plastic, minor sand seams; no odor.				
	BORING TERMINATED AT 18.0 FEET.	55.0			
		50.0			
	4	45.0			

JOB NUMBER BORING NUMBER DATE

84056-002 MW-5 7-28-87

TEST BORING RECORD

DEPTH (FT.)	DESCRIPTION	E	LEVATION (FT.)			TION		BLOWS PER SIX IN.	REC (IN.
			0	1	0 2	0 30	5	0	
0.0	SAND - Dk.gray-brown to orange-tan,f.gr.w.sorted, quartz;no odor.				•			3-10-8	18
4.0	SILTY SAND - Lt.tan-orange,		79.0				+		
6.0	f.gr.,w.sorted,some large / iron cemented sand nodules		74.0	·		•		8-12-12-	18
9.5	SANDY CLAY - Blue-green to tan-gray, stiff, v. sandy, sl. silty, sl. plastic, no odor.								
13.0	SAND - Lt.gray-tan,clean,f/ to med.gr.,quartz;no odor.		69.0	······································		5		7-9-13	18
	SANDY CLAY and SAND - Lt. tan-gray,interbedded,med.gr sand,mod.stiff clay.		64.0						
21.0	BORING TERMINATED AT 21.0 FEET.		59.0						
			54.0						
			49.0						
		1	44.0						

TEST BORING RECORD

DEPTH (FT.)	DESCRIPTION	E	ELEVATION (FT.)		RATION (S/FT.)		BLOWS PER SIX IN.	REC	
0.0 [,	. 0	10	20 30	50			
	SAND - Tan-gray to brown- tan,f.gr.,w.sorted,quartz; some organic silt;no odor.		79.0	•			5-6-6	18	
6.0	SANDY CLAY - Mottled gray- tan and gray-green, v. sandy, stiff, v. sl. plastic.		74.0		•		8-13-15	18	
12.0	SAND - Lt.tan-gray,med.gr., mod.w.sorted,quartz;clayey in part;no odor.		69.0				4-10-20	18	
	SAND and SANDY CLAY - Lt. gray-tan sand; green, soft sandy clay.		64.0						
21.0	BORING TERMINATED AT 21.0 FEET.		59.0						
			54.0	.					1
			49.0		-				
			44.0						

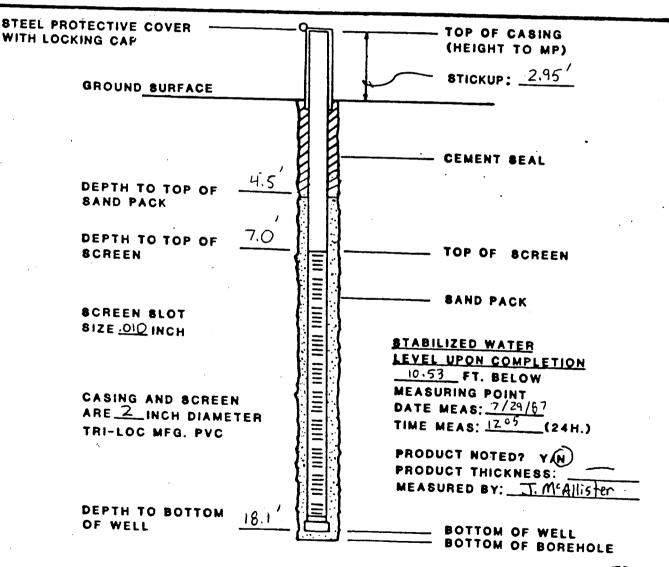
JOB NAME Hardee County Landfill	JOB NUMBER 84056 - 002
BORING/WELL NUMBER MW-H	DATE INSTALLED 7/29/87
LOCATION Harder County Land Fill	
DRILLING CONTRACTOR Law Engineering	DDILLING METHOD
BOREHOLE DIAMETER 8" LAW FIELD	DRILLING METHOD Hollow Stem Auger
FI FVATION OF MEASUREME POLICE	REPRESENTATIVE J. McAllister
	ESTSURVEYED
LOCK KEY CODE/COMBINATION	DATE DEVELOPED 7/29/87
	721/8/

STEEL PROTECTIVE COVER WITH LOCKING CAP TOP OF CASING (HEIGHT TO MP) STICKUP: _3.30 GROUND SURFACE CEMENT SEAL DEPTH TO TOP OF SAND PACK DEPTH TO TOP OF 6.7 8CREEN TOP OF SCREEN SAND PACK SCREEN SLOT SIZE OID INCH STABILIZED WATER LEVEL UPON COMPLETION 7,26 FT. BELOW CASING AND SCREEN MEASURING POINT ARE 2 INCH DIAMETER DATE MEAS: 7/29/87 TIME MEAS: 0935 (24H.) TRI-LOC MEG. PVC PRODUCT NOTED? YN PRODUCT THICKNESS: MEASURED BY: I. McAllister DEPTH TO BOTTOM 18.9 OF WELL BOTTOM OF WELL BOTTOM OF BOREHOLE

SEABURN AND ROBERTSON a division of Law Environmental, Inc.



	JOB NUMBER 84056-002
BORING/WELL NUMBER MW-5	DATE INSTALLED 7/28/87
LOCATION Hardee County Land F:11	
DRILLING CONTRACTOR Law Engineering	DRILLING METHOD Hollow Stem Auger
BUREHULE DIAMETER 8" LAW FIELD REPR	RESENTATIVE J. McAllister
ELEVATION OF MEASURING POINT 88.76	ESTSURVEYED
LOCK KEY CODE/COMBINATION	DATE DEVELOPED 7/28/87



SEABURN AND ROBERTSON a division of Law Environmental, Inc.



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SEABURN AND ROBERTSON

a division of Law Environmental, Inc.



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JOB NAME Hardee County Landfil	1 JOB NUMBER 84056-002
DOKING MELL NOWREK WM/	DATE INSTALLED 7/28/87
LOCATION Hardee County Land fill	
DRILLING CONTRACTOR Law Engineering	DRILLING METHOD Hollow Stern Auger
BOREHOLE DIAMETER 8" LAW FIEL	D. DEDDECENTATION FILE HOLLOW Stem Auger
ELEVATION OF MEASURING POINT 87.51	/ · · · · · · · · · · · · · · · · · · ·
LOCK KEY CODE/COMBINATION	SUKVETEU_
NET CODE/COMBINATION	DATE DEVELOPED 7/26/87
	·
BTEEL PROTECTIVE COVER	TOP OF CASING
WITH LOCKING CAP	(HEIGHT TO MP)
	8TICKUP: 3.16
GROUND SURFACE	STICKUP: 5.16
W .	<u> </u>
, A	CEMENT BEAL
DEPTH TO TOP OF 6.6	B
SAND PACK	
DEPTH TO TOP OF 96	
8CREEN -	TOP OF SCREEN
SCREEN SLOT SIZE :010 INCH	
Maria Maria	SAND PACK
SCREEN SLOT SIZE OIO INCH	
OIZE OID INCH	STABILIZED WATER
N =	LEVEL UPON COMPLETION
CASING AND SCREEN	HEASURING POINT
CASING AND SCREEN ARE 2 INCH DIAMETER	DATE MEAS: 7/29/87
TRI-LOC MFG. PVC	
	HODUCT THICKNESS:
月三	MEASURED BY:
DEPTH TO BOTTOM 21.0	<u> </u>
	BOTTOM OF WELL BOTTOM OF BOREHOLE
	AL BOKEHOLE

SEABURN AND ROBERTSON a division of Law Environmental, Inc.



Form No. 25-18-5/83

/ELL COM	te in black ink or type PLETION REPORT	
wner's Name	Hardee County	MW-H
armit Number:	435610-20	8/3/87
ater Well Cont	tractor's Signature	Completion Date
icense No	2825	
URFACE (ND LINE	CASING, CASING R MATERIAL:	

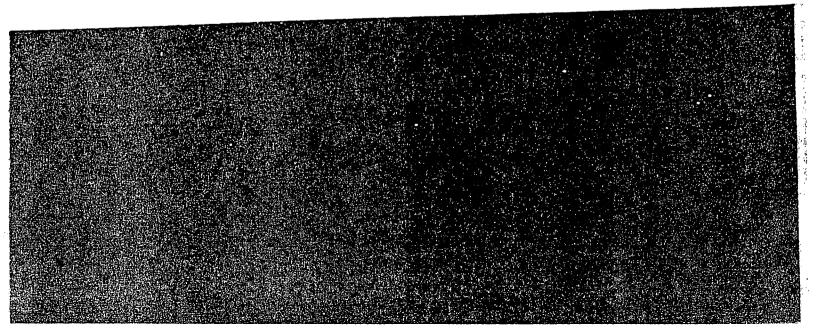
Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC	2"	0	22
Neat Cement: No. o	f Bags	From (Ft.)	To (Ft.)
3		10	0

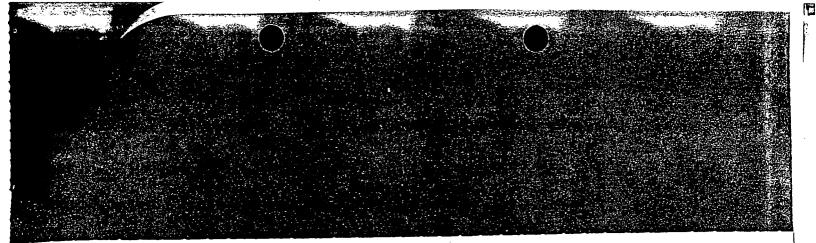
FINISH: Screen: 10 (Ft.) Ope	n Hole: (Ft.)
WELL LOCATION¼¼¼ of Section_35_	
3 3 S 2 5 E	Locate in Section

3 3 Township	S (N·S)	2 5 Range (E	E -W)	Locate in Section
Latitude	Deg.	Min.	Sec.	Optional may be required

DRILL METHOD [X] Rotary [] Cable Tool [] Jet [X] Auger Other Ft.
Measured Static Water Level
Measured Pumping Water Level+Ft.
After Hours At G.P.M.
Measuring Pt. (Describe): GL
NA Fr Above Below Land Surface

Depth (Ft.)		Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing				
From	To	zones. Attach additional sheets if necessary.				
0	3	Sand				
3	8.5	Sandy silty clay				
8.5	13	Silty clay				
13	15	Clay with phosphate				
15	20	Clay				
	<u> </u>					
	<u> </u>					
	1					
		R. Swint				





Please complete in black ink or type NELL COMPLETION REPORT								
Hardee County Hardee County								
X Horman 8/3/8/ Nater Well Contractor's Signature Completion Date License No. 2825								
SURFACE CASING, CASING AND LINER MATERIAL:								
Types	Diam. (In.)	From (Ft.)	To (Ft.)					
PVC	2"	0	18					
Neat Cement: No. of	Bags	From (Ft.)	To (Ft.)					
2		6	0					
		<u> </u>						
IRON:ppm SULFATES:ppm CHLORIDES:ppm FINISH: Screen:10 (Ft.) Open Hole:(Ft.)								
WELL LOCATION								
Township (N-S) Rang Latitude Deg.		Sec. N Om	ptional ay be quired					

		701111111111111111111111111111111111111						
RILI	LME	THOD						
X] Rou	my [Cable Tool [] Jet [] Auger Other						
Aeasure	d Stat	ic Water Level + Ft.						
Veaznie	d Pum	nping Water Level++Ft.						
After		Hours AtG.P.M.						
∧easuri	ng Pt.	(Describe):GL						
Which is	NA.	Ft. [] Above [] Below Land Surface						
Depth (Ft.)		Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type						
From	10	of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.						
0	9	Sand						
9	12	Sandy clay						
12	18	Clay with phosphate						
		T .						
Driller	's Nea	R. Swint						

Driller's Name _

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Please complete in black	Ink or typ	e -		
WELL COMPLETIO Owner's NameHai				
Permit Number: 43		MW-L		
× Harman	<u> </u>			
Water Well Contractor's Sig	nature		pletion Date	
License No28:	25			
SURFACE CASING, AND LINER MATER	CASING RIAL:			
Types	Diam. (In.)	From (Ft.)	To (Ft.)	
PVC	2"	0	21	
	ļ			
Nest Cement: No. of				
4	D842	From (Ft.)	To (Ft)	
			9	
RON: ppm SULFATE INISH: Screen: 10	S:ppm ((Ft.) Ope	CHLORIDES n Hole:	:ppm (Ft.)	
VELL LOCATION %% of Section	on_35			
3 3 S 2 5 ownship (N-S) Range	(E-W)	Locate	e in Section	
Deg. Mongitude	in. Se	×c. }miay	ional be ired	

[X] Ro Measu Measu After_ Measu	otary red Sta red Pur 	Form No. 25-18-5/83 ETHOD []Cable Tool [] Jet [] Auger Other
	pth t.)	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type
From	٦ و	of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	9	Sand
9	12.5	Sandy clay
2.5	21	Clay with phosphate
Driller's	Name	R. Swint

please complete in bil WELL COMPLET Owner's Name H Permit Number: 4 X Water Well Contractor's License No. 2	ardee Coun 35613-20 Signature	ty Mw	/87	Measur Measur After_ Measur	tary (ed Stared Pun	Form No. 25-18-5/83 ETHOD []Cable Tool [] Jet [X] Auger Other tic Water Level + Ft. nping Water Level + FtHours At G.P.M. (Describe): GL A Ft. [] Above [] Below Land Surface
SURFACE CASIN	NG, CASING TERIAL:				pth t.)	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type
Types	Diam. (In.)	From (Ft.)	To (Ft.)	From	٩	of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
PVC		21.75		0	8	Sand
		<u> </u>		8	14	Sandy clay
		 		14	22	Clay with phosphate
Neat Cement: N	lo, of Bags	From (Ft.)	To (Ft.)			
4	9	0				
					<u> </u>	
IRON:ppm SULF	ATES:ppm	CHLORIDE	S:ppm		<u> </u>	
FINISH: Screen:	10 (Ft.) Op	en Hole:	(Ft.)	-	 	

WELL LOCATION

Township Latitude

Longitude

____¼___¼ ___¼ of Section__35

Deg.

2 5

Min.

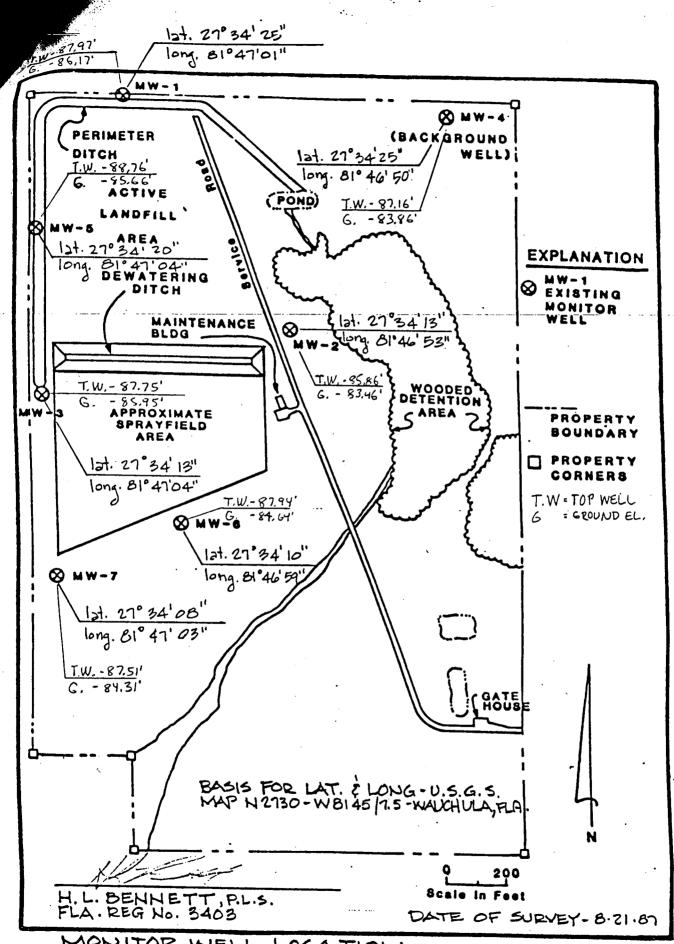
(E-W)

Locate in Section

Optional may be required

			_		
Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	to the land strip was supplied	在外线的1000年1000年			
					建设建设设施
	「全年を生まれた機関する				
	"我们是我们的一个人,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,		建设设计划的 1000 1000 1000 1000 1000 1000 1000 10	DANDERS VALUE OF THE ALL STATES OF THE SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECOND SECON	\$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$

Driller's Name R. Swint



MONITOR WELL LOCATION REGIONAL SANITARY LANDFILL, HARDEE COUNTY, FLA.

PEVISED 11-23-87