



## SARASOTA COUNTY

*"Dedicated to Quality Service"*

FILE COPY

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January 31, 2011

Susan Pelz, P.E.  
Solid Waste Section  
Department of Environmental Protection  
Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

RE: Central County Solid Waste Disposal Complex  
Permit Number 130542-007-SO/01  
2nd Semi-Annual Ground Water Monitoring Report (July – December 2010)

Dear Ms. Pelz:

Enclosed is the 2nd Semi-Annual Ground Water Monitoring Report for 2010 as specified in Specific Condition E.4.c. of the permit. A summary of the water quality standards that were exceeded during the reporting period have been included with this report as well as a ground water contour map showing water elevations during the sampling event.

Upon review of the sampling results it was discovered that MW-1R, MW-15, MW-16, MW-19 and MW-20 were not sampled for carbonate and bicarbonate. These wells were sampled for the parameters on December 21 and 22 and the results are included in the Pace laboratory report dated January 03, 2011.

Sampling results for the newly installed compliance wells CW-15, CW-16, CW-19 and CW-20 will be discussed in a report to follow.

If you have any questions or concerns, please contact me at (941) 650-4799 or [aeggles@scgov.net](mailto:aeggles@scgov.net).

Sincerely,

Alison J. Eggleston  
Environmental Specialist-III

Enc



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.  
Form Title: Water Quality Monitoring Certification  
Effective Date: January 6, 2010  
Incorporated in Rule 62-701.510(9), F.A.C.

## WATER QUALITY MONITORING CERTIFICATION

### PART I GENERAL INFORMATION

- (1) Facility Name Central County Solid Waste Disposal Complex, Class I Landfill Operation  
Address 4000 Knights Trail Rd  
City Nokomis Zip 34275 County Sarasota  
Telephone Number (941) 861-1589
- (2) WACS Facility ID SWD/58/51614
- (3) DEP Permit Number 130542-007-SO/01
- (4) Authorized Representative's Name Alison J. Eggleston Title Environmental Specialist III  
Address 4000 Knights Trail Rd  
City Nokomis Zip 34275 County Sarasota  
Telephone Number (941) 650-4799  
Email address (if available) aeggles@scgov.net

### CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

January 31, 2011  
(Date)

Alison J. Eggleston  
(Owner or Authorized Representative's Signature)

### PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Sarasota County/ Dunkelberger Engineering, Ardaman & Associates

Analytical Lab NELAC / HRS Certification # E83079, E84167

Lab Name PAS, Inc Benchmark EnviroAnalytical, Inc

Address 8 East Tower Circle, Ormond Beach, FL 32174 1711 12th Street East, Palmetto, FL 34221

Phone Number (386) 672-5668 (941) 723-9986

Email address (if available) \_\_\_\_\_

Northwest District  
160 Government Center  
Pensacola, FL 32501-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. 200 B  
Jacksonville, FL 32256-7590  
904-807-3300

Central District  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
13051 N. Telecom Pky.  
Temple Terrace, FL  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33902-2549  
239-332-6975

Southeast District  
400 North Congress Ave.  
West Palm Beach, FL 33401  
561-681-6600

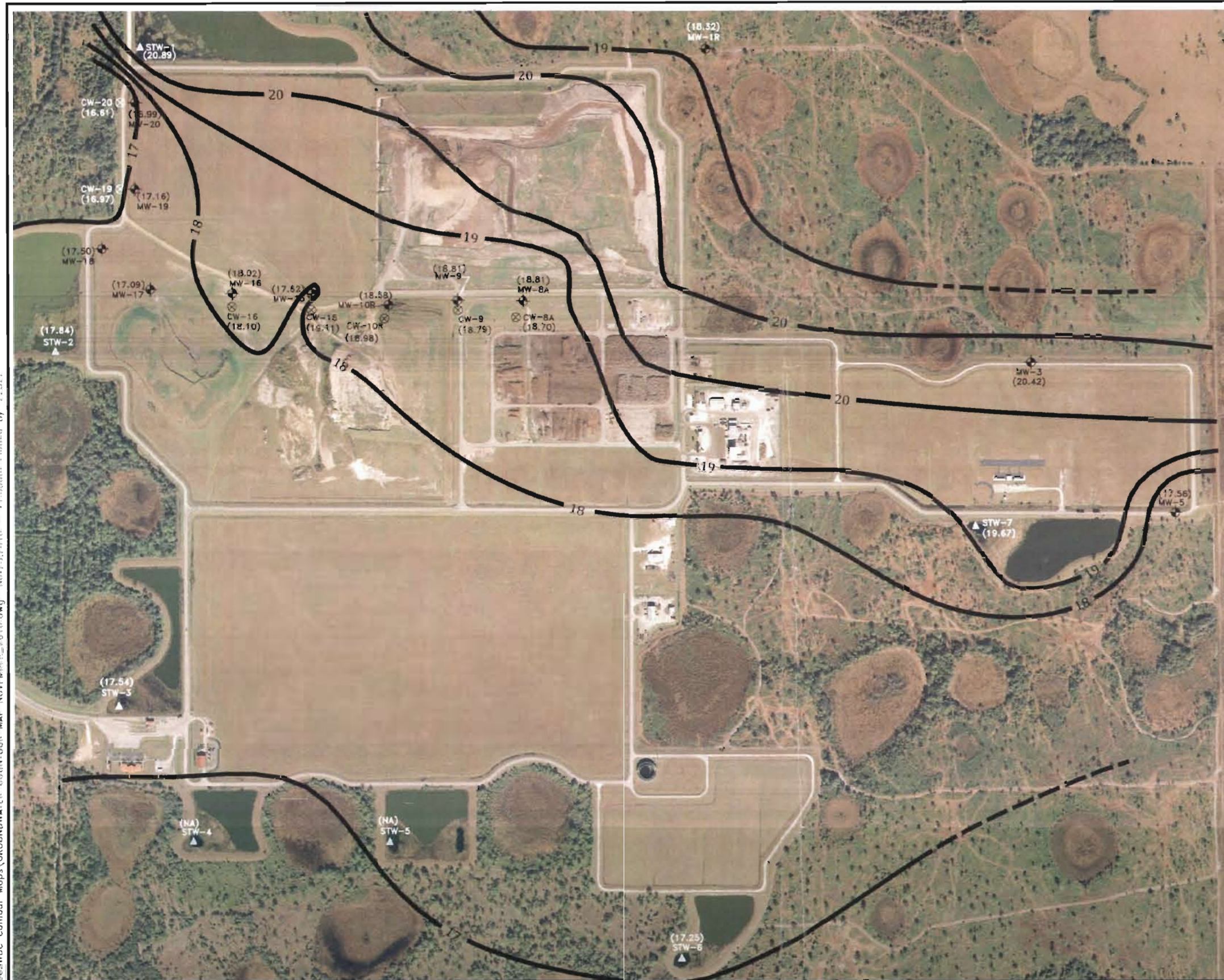
**Central County Solid Waste Disposal Complex  
Ground Water & Surface Water Elevations**

Date 2-Nov-10

Site #	Depth to Water	TOC/Staff Gauge Elevation	Calculated Water Elevation
MW-3	2.92	23.340	20.42
MW-5	5.63	23.190	17.56
MW-1R	6.11	24.428	18.32
MW-8A	9.83	28.637	18.81
MW-9	16.30	35.112	18.81
MW-10R	13.21	31.792	18.58
CW-8A	7.43	26.132	18.70
CW-9	7.79	26.582	18.79
CW-10R	8.00	26.982	18.98
MW-15	26.70	44.320	17.62
MW-16	25.71	43.730	18.02
MW-17	29.06	46.150	17.09
MW-18	21.64	39.140	17.50
MW-19	19.65	36.810	17.16
MW-20	18.97	35.960	16.99
CW-15	11.06	30.173	19.11
CW-16	11.48	29.578	18.10
CW-19	10.55	27.524	16.97
CW-20	10.77	27.383	16.61
STW1	2.70	21.187 (3')	20.89
STW1A	4.18	21.23 (4')	21.41
STW2	1.53	20.305 (4')	17.84
STW2A	2.77	20.18 (5')	17.95
STW3	1.35	20.191 (4')	17.54
STW3A	3.09	18.43 (4')	17.52
STW4	below staff gauge	19.342 (4')	#VALUE!
STW4A	3.20	17.35 (4')	16.55
STW5A	below staff gauge	19.788 (4')	#VALUE!
STW5B	2.97	18.04 (4')	17.01
STW6	1.88	19.37 (4')	17.25
STW6A	3.89	17.67 (5')	16.56
STW7	1.38	22.287 (4')	19.67
STW7A	4.50	19.02 (4')	19.52



Y:\George Thomas\GIS\SWDC\GIS\SWDC\GROUNDWATER CONTOUR MAP NOVEMBER 2010.dwg Nov 23, 2010 11:55am Plotted By: 22322



*Bradley J. Bar*  
11/23/10  
PG 1733  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
15150-702

- LEGEND:
- MONITORING WELL WITH GROUNDWATER ELEVATION (FT-NGVD)
  - COMPLIANCE WELL WITH GROUNDWATER ELEVATION (FT-NGVD)
  - PIEZOMETERS WITH GROUNDWATER ELEVATION (FT-NGVD)
  - MONITORING POINT WITH SURFACE WATER ELEVATION (FT-NGVD)
  - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)

- NOTE:
- GROUNDWATER DATA FROM 11-2-2010
  - GROUNDWATER ELEVATION GIVEN IN PARENTHESES
- NA = BELOW STAFF GAUGE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
FEB 01 2011  
SOUTHWEST DISTRICT TAMPA

FT-NGVD = FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM



SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
DISPOSAL COMPLEX

GROUNDWATER CONTOUR MAP  
NOVEMBER 2010

FIGURE  
1



**CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
EXCEEDENCE OF MCLs SUMMARY**

**2010 - 2nd Semi-Annual & 4th Quarter Evaluation Monitoring Report**

Parameter	MCL	20585	21455	22883	4509	22884	4510	22885	23031	27138	23032	27139	23033	23034	23035	27140	23036	27141
		Background	Detection	Compliance	Detection	Compliance	Detection	Compliance	Detection	Compliance	Detection	Compliance	Detection	Detection	Detection	Compliance	Detection	Compliance
		MW-1R	MW-8A	CW-8A	MW-9	CW-9	MW-10R	CW-10R	MW-15	CW-15	MW-16	CW-16	MW-17	MW-18	MW-19	CW-19	MW-20	CW-20
pH	6.5-8.5		6.3	5.98	6.45	6.42	6.17	5.89	6.29	6.39	6.32	5.97	6.2	6.29	6.01			
Arsenic	10 ug/l		38.6	53.3	43.2	53.5	11.3		48.6	16.8	48.5	24.9	65.5	10.3	38	23.1	55.6	26.6
Iron	0.3 mg/l	6.55	37.7	45.1	39.2	25.6	52.9	6.89	49.6	59.9	62	71.9	116	37.1	76	11.8	38.9	7.1
Sodium	160 mg/l									184	275	173						
Solids, Total Dissolved	500 mg/l		1090	670	1160	770	904	1600	2810	1700	1630	930	910	746			1350	500
Total Ammonia	2.8 mg/l		25.5	7.9	17.3	10.5	8.4	3.4	5	25.1	20.4	14.4	25.2		12.5	2.9		
Sulfate	250 mg/l								392									
Manganese	50 ug/l								995	52.9								
Chloride	250 mg/l										317							
Aluminum	200 mg/l														471			