



# Florida Department of Environmental Protection

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

*Sarasota Cent CI*  
Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

March 23, 2009

Dept. of Environmental Protection

MAR 26 2009

Southwest District

Mr. Frank D. Coggins  
Sarasota County  
4000 Knights Trail Road  
Nokomis, FL 34275

Dear Mr. Coggins:

Your Application for Registration of a Yard Trash Processing Facility for Central County Solid Waste Disposal Complex (located at 4000 Knights Trail Road, Nokomis) in Sarasota County is complete. Your facility identification number is 017-01-YT. This registration is valid until **May 1, 2010**. The receipt number for the registration fee you paid is 657547.

You must comply with the requirements specified in Rule 62-709.320, Florida Administrative Code (F.A.C.), in order to maintain qualification for the registration program. A summary of the operating requirements is enclosed.

If you need further information, please contact me at the above address, Mail Station 4565, telephone 850/245-8747, or email [Francine.Joyal@dep.state.fl.us](mailto:Francine.Joyal@dep.state.fl.us).

Sincerely,

Francine Joyal  
Environmental Specialist

Enclosure

cc: Susan Pelz, Southwest District

NOV 17 2008

Southwest District

**HDR** | ONE COMPANY  
*Many Solutions<sup>SM</sup>*
*Sarasota County*  
**Transmittal**

Attention: Mara Grace Nasca

Date: 11-12-08

Fed Ex#: 86736

 To: Florida Department of Environmental protection  
 District Air Program  
 13051 North Telecom Parkway  
 Temple Terrace, FL 33632-7600

Phone:

Regarding: Updated NMOC Report for Central County Solid Waste Disposal Complex, Sarasota County FL

We are sending you: ☒ Attached ☐ Under separate cover via \_\_\_\_\_ the following items☐ Shop drawings☐ Prints☐ Plans☐ Samples☐ Specifications☐ Copy of letter☐ Change Order☐ Other \_\_\_\_\_

Copies	Date	No.	Description
1			Updated NMOC report

These are transmitted as checked below:

☐ For approval☐ Approved as submitted☐ Resubmit \_\_\_\_\_ copies for approval☒ For your use☐ Approved as noted☐ Submit \_\_\_\_\_ copies for distribution☐ As requested☐ Returned for corrections☐ Return \_\_\_\_\_ corrected prints☐ For review/comment☐ Other \_\_\_\_\_☐ For bids due \_\_\_\_\_☐ Prints returned after loan to us

Remarks Based on a conversation with David Zell, HDR is providing this updated NMOC report for the Central County Solid Waste Disposal Complex shows the landfill exceeding the 50 Mg threshold sometime in 2010. This is based on actual waste acceptance rates from 1998 to 2007, and projected waste acceptance rates in 2008, 2009 and 2010. The gas generation rates utilized Clean Air Act parameters of methane generation rate of  $k = 0.05 \text{ (year}^{-1}\text{)}$  and potential methane generation capacity of  $Lo = 170 \text{ (m}^3\text{/Mg)}$ . The NMOC concentration utilized was 380 ppmv from the 2005 Tier II Emission Report.

Please let us know if you have questions with this report.

Carlo Lebron

 Copy to ~~Susan Pelt, Solid Waste Division~~  
 Frank Coggins, Sarasota County

Signed Carlo Lebron

If enclosures are not as noted, please notify us at once

N:\users\Gail\Stationery &amp; Forms\Forms\Transmittal.doc



November 12, 2008

Mara Grace Nasca,  
District Air Program Administrator  
Florida Dept. of Environmental Protection (FDEP)  
13051 North Telecom Parkway  
Temple Terrace, FL 33632-7600

**RE: Updated NMOC Report for the  
Central County Solid Waste Disposal Complex  
Sarasota Co, Florida**

Dear Mrs. Nasca,

On behalf of Sarasota County, HDR Engineering, Inc. (HDR) is submitting an updated Non-Methane Organic Compound (NMOC) estimate for the Central County Solid Waste Disposal Complex (CCSWDC). The purpose of this report is to provide an approximate calculated update of when the CCSWDC will exceed 50 Megagrams (Mg) per year in Non-Methane Organic Compounds (NMOC) emissions.

This estimation incorporates the NMOC Emission Rate Equations found in 40 CFR 60.754(a)(1)(i) to predict when the landfill will potentially exceed 50 Mg/yr of NMOC. The equation utilizes Clean Air Act values;  $k$  = methane generation rate ( $\text{year}^{-1}$ ) of 0.05, and  $L_0$  = potential methane generation capacity ( $\text{m}^3/\text{Mg}$ ) of 170 to calculate landfill gas generation rates and user specified NMOC concentration of 380 ppm from the 2005 Tier II Emission Report. The equation includes the updated and projected tonnages for CCSWDC.

HDR has developed this updated report based on waste acceptance rates from 2005 until present time and projecting onward until 2010. The projected waste acceptance rate for 2008 was calculated using monthly averages from January to September of 2008 to estimate the expected annual waste accepted this entire year. It should be noted, beginning in 2006 to the current year, a downward trend in the amount of waste accepted at CCSWDC has occurred. Therefore, the 2009 and 2010 annual waste acceptance rates were held constant by using the 2008 value.

Based on the aforementioned expected waste acceptance rates, it appears CCSWDC may exceed the 50 Mg NMOC threshold sometime in the middle of 2010. The attachment included with this report provides a calculation summary of the waste acceptance rates, the corresponding approximate landfill gas generation rates, and the projected NMOC generation for 2010.



ONE COMPANY | *Many Solutions* ®

Annually, as the previous years waste acceptance rates become known, the NMOC report will be updated and re-submitted to the FDEP for review. If you have any questions please feel free to contact me (904) 598-8928 at your convenience.

Sincerely,  
HDR Engineering, Inc.

Carlo Lebron, PE  
Project Manager

Enc.

Attachment: Summary of Gas Generation Rates.

cc. Susan Pelz, FDEP  
Frank Coggins, Sarasota County

# Central County Landfill Projected Waste Acceptance Rates

Sarasota, Florida

Year	Disposal Rate (tons/yr)	Refuse In-Place (tons)	Disposal Rate (Mg/yr)	Refuse In-Place (Mg)	Methane Generation Rate (cubic meter/year)	LFG Generation Rates (cfm) (Million cfy)		NMOC Generation Rates (Mg/yr)	NMOC Cumulative (Mg)
1998	68,771	0	62,389	0	5.04E+05	68	35.6	0.76	0.76
1999	246,242	68,771	223,391	62,389	2.29E+06	307	161.4	2.85	3.61
2000	265,465	334,236	240,830	303,219	4.12E+06	554	291.1	3.23	6.84
2001	261,420	595,656	237,160	540,379	5.84E+06	784	412.3	2.88	9.72
2002	278,646	874,302	252,788	793,167	7.60E+06	1,021	536.5	3.57	13.28
2003	296,620	1,170,922	269,094	1,062,260	9.40E+06	1,263	664.0	4.19	17.48
2004	300,857	1,471,779	272,937	1,335,198	1.12E+07	1,498	787.5	4.47	21.95
2005	333,948	1,805,727	302,958	1,638,155	1.31E+07	1,754	922.1	5.22	27.17
2006	317,319	2,123,046	287,872	1,926,028	1.47E+07	1,982	1,041.5	5.21	32.39
2007	305,015	2,428,061	276,710	2,202,737	1.63E+07	2,185	1,148.7	5.27	37.65
2008	282,023	2,710,084	255,851	2,458,588	1.75E+07	2,357	1,238.8	5.12	42.78
2009	282,023	2,992,107	255,851	2,714,440	1.88E+07	2,520	1,324.4	5.38	48.16
2010	282,023	3,274,130	255,851	2,970,291	1.99E+07	2,675	1,405.9	5.66	53.82

Estimated NMOC Concentration: 380  
Assumed Methane Content: 50%  
Selected Decay Rate: 0.05  
Methane Generation Rate Lo: 170 m<sup>3</sup>/Mg  
Assumed 1 Megagram = 1.1023 tons



**SARASOTA COUNTY**  
"Dedicated to Quality Service"

**Dept. of Environmental  
Protection**

October 31, 2008

NOV 06 2008

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

**Southwest District**

RE: Central County Solid Waste Disposal Complex  
Permit Number 130542-002-SO/01  
Notice of Damage to Piezometer Well MW-3

Dear Ms. Pelz:

On October 28, 2008, a contractor working on the Pinelands at the Central County Solid Waste Disposal Complex, came in contact with Piezometer Well MW-3, WACS Testsite ID #4503 (see Fig. L-1 Revised & attached photograph). The damage caused by the impact to the well is limited to the upper section of the well above the screened interval. As specified in Specific Condition Part C.6.b., the corrective action for the Piezometer Well will be as follows:

1. A coupling and pipe will be installed just above the screened interval and threaded onto the existing pipe.
2. A new aluminum casing will be installed into a new concrete pad.
3. The new aluminum casing will be labeled to identify the Piezometer Well.
4. The top of casing for the well will be surveyed by a registered surveyor.

Since this work does not involve replacing the existing well with a new well, the County will proceed with this work immediately as no permit modification is required.

If you have any questions or concerns, please contact me at (941)861-1532 or [lerose@scgov.net](mailto:lerose@scgov.net).

Sincerely,

Lois E. Rose  
Manager, Solid Waste

cc: Franklin Coggins, Manager, Solid Waste  
Terry Foxworthy, Environmental Specialist I  
John R. Morris, P.G., Florida Department of Environmental Protection



Dept. of Environmental  
Protection

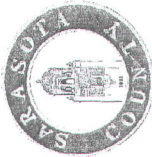
NOV 06 2008

Southwest District





SARASOTA COUNTY CENTRAL  
SOLID WASTE DISPOSAL  
COMPLEX



Report: Report  
Avalon Date: 03/01

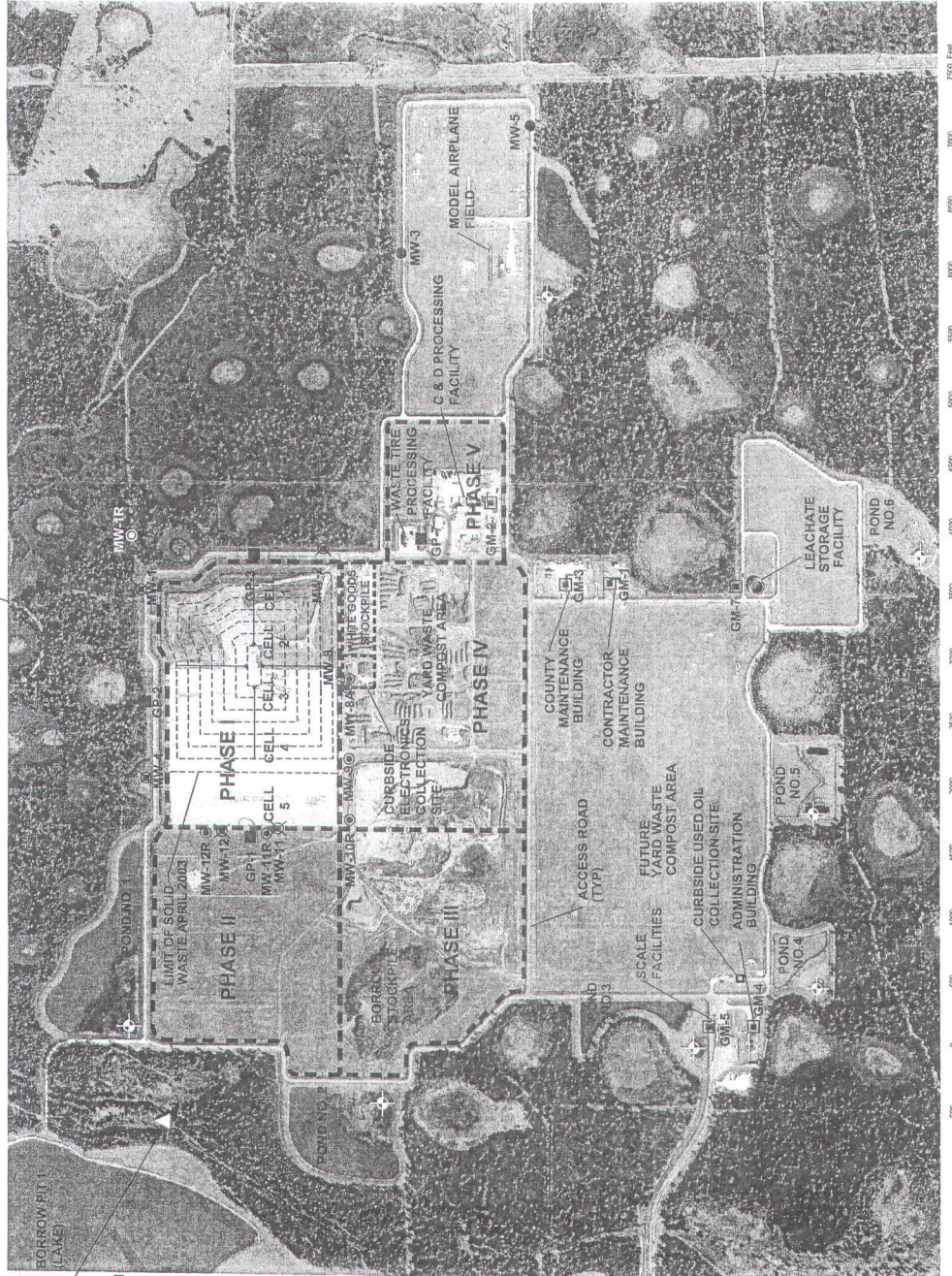
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA



LEGEND:

- PIEZOMETERS (2) - MW-3 & MW-5
- GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- AMBIENT GAS MONITORING LOCATIONS (6) - CONTRACTOR'S MAINTENANCE BUILDING AND YARD C&D PROCESSING AREA
- COUNTY MAINTENANCE BUILDING
- ADMINISTRATION BUILDING
- SCALE HOUSE
- CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6) - MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH



B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75



SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
LOCATION OF GROUND WATER MONITORING WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
GAS MONITORING PROBES (GP) AND AMBIENT GAS MONITORING LOCATIONS (GM)  
FEBRUARY 2007

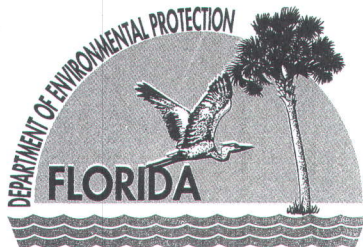
FIGURE L-1  
REVISED

Dep. of Environmental  
Protection

NOV 06 2008

Southwest District





# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

permit file  
Sarasota Central  
Charlie Crist  
Governor CT

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

July 25, 2008

Sarasota County Office of Management and Budget  
c/o Franklin Coggins, Project Manager  
4000 Knights Trail Road  
Nokomis, FL 34275

**Re: Transfer to Operation Phase - Approved**  
Project Name: **Sarasota County Landfill Roadway**  
Permit #: 58-0246654-003

Dear Mr. Coggins:

This letter is to acknowledge receipt of your *Request for Transfer of ERP Construction Phase to Operation Phase* for the above-mentioned permit, received by the Department on April 29, 2008. Department staff conducted an on-site inspection of the surface water management system on July 16, 2008 and determined that the system is in substantial compliance with the permit. Therefore, your request to transfer the permit to the operation phase is approved.

Please be aware of Specific Condition # 24 which requires the Operation and Maintenance Entity to submit inspection reports in the form required by the Department, FDEP Form #62-343.900 (6), *Inspection Certification*, 24 months after operation is authorized and every 18 months thereafter. Failure to submit this information within the required timeframes shall constitute a violation of this permit.

Thank you for your cooperation with the permitting and compliance process. If you have any questions, please contact Lauren Greenfield at (813) 632-7600, extension 485.

Sincerely,

Lauren Greenfield  
Environmental Specialist I  
Environmental Resource Management

Maryellen Edwards  
Environmental Manager  
Environmental Resource Management

cc: Susan Pelz, FDEP



# Florida Department of Environmental Protection

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

*CI of permit*

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

April 22, 2008

Mr. Frank D. Coggins  
Sarasota County  
4000 Knights Trail Road  
Nokomis, FL 34275

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
APR 25 2008  
SOUTHWEST DISTRICT  
TAMPA

Dear Mr. Coggins:

Your Application for Registration of a Yard Trash Processing Facility for Central County Solid Waste Disposal Complex (located at 4000 Knights Trail Road, Nokomis) in Sarasota County is complete. Your facility identification number is 017-01-YT. This registration is valid until **May 1, 2009**. The receipt number for the registration fee you paid is 620953.

You must comply with the requirements specified in Rule 62-709.320, Florida Administrative Code (F.A.C.), in order to maintain qualification for the registration program. A summary of the operating requirements is enclosed.

If you need further information, please contact me at the above address, Mail Station 4565, telephone 850/245-8747, or email [Francine.Joyal@dep.state.fl.us](mailto:Francine.Joyal@dep.state.fl.us).

Sincerely,

Francine Joyal  
Environmental Specialist

Enclosure

cc: Susan Pelz, Southwest District



Spartan Co  
CCSWD permit  
file

**Pelz, Susan**

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**From:** Pelz, Susan  
**Sent:** Monday, March 24, 2008 7:56 AM  
**To:** Pelz, Susan  
**Subject:** FW: News Articles - March 19, 2008

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**From:** Lynch, Sandra  
**Sent:** Wednesday, March 19, 2008 4:32 PM  
**To:** Brown, Brian; Cowder, Shirley; Culbreth, Laurel; Downs, Mike; Dregne, James; Gagne, Albert; Getzoff, Deborah; Gibbs, Ana; Greenwell, Jeff; Kovach, Charles; Kutash, William; Morgan, Steve; Nasca, Mara; Pelz, Susan; Ramer, Jim; Thompson, Steve; Tyner, Nell; Vazquez, Pamala; Vorstadt, Bill; Zamani, Sam  
**Subject:** News Articles - March 19, 2008

FYI

**Alternative proposal aids access to landfill**





A waste management garbage truck dumps its load at the Sarasota County Landfill that lies due east of Osprey. Residents along State Road 72 hope completing an interchange between State Road 681 and Interstate 75 west of the landfill and connecting it to the dump site would allow drivers to avoid a roundabout route through their neighborhoods. HERALD TRIBUNE ARCHIVE / 2002

**PALMER RANCH** In the early 1990s, when Sarasota County commissioners were trying to find a site for the Sarasota County Landfill, they promised residents along State Road 72 that landfill-bound trash trucks would never haunt their neighborhoods.

Now, commissioners seeking easier access to the site are considering reneging on that deal, but Commissioner Jon Thaxton has an idea that might leave everyone happy.

Thaxton wants to complete the Interstate 75 interchange at State Road 681 that is due west of the landfill and connect it to the dump site.

Currently, 681 is half an interchange, allowing only I-75 traffic heading south to exit and northbound traffic to enter the freeway. That means there is no access from I-75 to the landfill.

"The 681 alternative would solve two problems with one solution," Thaxton said. "We could get effective access to the landfill without messing up the Nokomis or the State Road 72 neighborhoods."

Though the Florida Department of Transportation would be the one to complete such a project, officials there say they take their priority cues from the Sarasota/Manatee Metropolitan Planning Organization.



"The 681 interchange could be made into a full interchange," said Cindy Clemmons-Adente, spokeswoman for FDOT. "It is possible; however, no steps have been taken to do that. What would need to be done is the commissioner would have to mention it at the MPO meeting and find out if they are interested in having up pursue it."

There is no money in place to pay for such a move. Even so, Thaxton said he wants to get the Metropolitan Planning Organization to reprioritize its projects to include improving the 681 interchange when there is money.

Thaxton said it could take the place of an I-75 interchange planned for Central Sarasota Parkway just north of 681 that has hit significant snags.

Property owner Hugh Culverhouse Jr. has backed out of an offer of land for that interchange, saying he would rather see a mixed-use development at the site than a thoroughfare for trash trucks.

Thxton said completing the 681 interchange might prove less costly than the one at Central Sarasota Parkway, besides being popular with residents and county officials alike. "And it would still provide the continuity of the grid pattern that we are trying to create in our roadway network," he said.

Thaxton said once priorities change, the county could seek state and federal grants for the mōōs



# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

TO: x Deborah A. Getzoff, District Director

FROM/THROUGH:

William Kutash

Susan Pelz, P.E.

Steve Morgan

ENVIRONMENTAL ADMINISTRATOR

SOLID WASTE MANAGER

SOLID WASTE PERMITTING

DATE: March 10, 2008

FILE NAME: Sarasota CCSWDC Class I Landfill  
Phase I Operation Sequence Modification

PERMIT MOD#: 130542-008-SO/MM

PERMIT #: 130542-002-SO/01

COUNTY : Sarasota

PROGRAM : Solid Waste

TYPE OF PERMIT ACTION: ISSUE FINAL PERMIT

PERMIT SUMMARY: This minor permit modification is to revise the operation fill sequence in Phase I of the existing Central County Solid Waste Disposal Complex Class I Landfill.

PROFESSIONAL RECOMMENDATION: X APPROVE      DENY

EVALUATION SUMMARY: The applicant has provided sufficient information to demonstrate compliance with Department rules to allow issuance of the permit modification.

TIH= 61; TTP=61 (to 03/10/08)		TTP
Application rec'd	01/09/08	
Application complete	01/09/08	
Final Permit for routing	03/10/08	61

DAY 90/30 FOR THIS ACTION IS: Day 90 = 04/07/08



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

**CERTIFIED MAIL 7007 2680 0000 5032 6569**  
**RETURN RECEIPT REQUESTED**

**March 18, 2008**

## **NOTICE OF PERMIT**

Mr. Frank Coggins, Manager  
Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, Florida 34275

Re: Central County Solid Waste Disposal Complex  
Modification #130542-008-SO/MM to existing  
Operation Permit # 130542-002-SO/01, Sarasota County

Dear Mr. Coggins:

Attached is modified Operation Permit 130542-002-SO/01, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 130542-008-SO/MM:

<b>SPECIFIC CONDITIONS</b>	<b>FROM</b>	<b>TO</b>	<b>TYPE OF MODIFICATION</b>
Page 1 of 41	Existing	Amended	General Information - Operation Plan and Operation Drawings references modified.
#A.2.b.	Existing	Amended	References replacement of previously approved operation drawings with revised drawings.
#A.2.h.	-	New	Additional permitting documents referenced.
#C.6.e.	Existing	Amended	Operation Plan reference modified.
#C.12.	Existing	Amended	Operation Plan and Operations Drawings references modified.

This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

A person whose substantial interests are affected by this modification of permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above

at the time of filing. Failure to file a petition within fourteen (14) days shall constitute a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

The petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends warrant reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

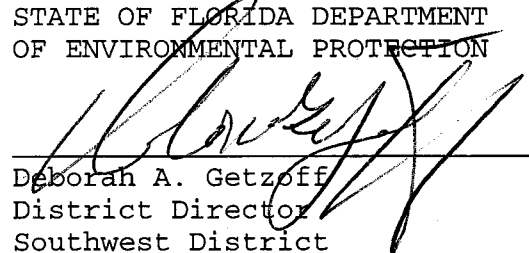
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C. Mediation is not available in this proceeding.

This modified permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rules 62-110 and 28-106, F.A.C. Upon timely filing of a petition or a request for an extension of time this transfer of permit will not be effective until further Order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
District Director  
Southwest District

DAG/sgm

Attachment

Copies furnished to:

Sarasota County Elected Officials Notification  
Thomas M. Yanoschak, P.E., DEE, HDR Engineering, Inc., 3725 National Dr., Suite  
103, Raleigh, NC 27612-4879  
Richard Tedder, FDEP Tallahassee, (via e-mail)  
Fred Wick, FDEP, Tallahassee, (via e-mail)  
Ronni Moore, OGC Tallahassee (via e-mail)  
Susan Pelz, P.E., FDEP Tampa

**CERTIFICATE OF SERVICE**

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on MARCH 18, 2008 to the listed persons.  
(date stamp)

FILING AND ACKNOWLEDGMENT FILED,  
on this date, pursuant to Section  
120.52(10), Florida Statutes, with the  
designated Department, Clerk, receipt  
of which is hereby acknowledged.

Anna Brantley  
Clerk

3-18-08  
Date



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE

Sarasota County  
Solid Waste Operations  
c/o Mr. Frank Coggins, Manager  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.h.(3), Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.h.(3), Sheet 3]

Amended \_\_\_\_\_.

Replaces permit #SO58-299180  
Includes modification #130542-003-SO/MM, dated 07/11/2006.  
Includes modification #130542-004-SO/MM, dated 04/18/2007.  
Includes modification #130542-008-SO/MM, dated 03/18/2008.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.



**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - (a) Determination of Best Available Control Technology (BACT)
  - (b) Determination of Prevention of Significant Deterioration (PSD)
  - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
  - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    1. the date, exact place, and time of sampling or measurements;
    2. the person responsible for performing the sampling or measurements;
    3. the dates analyses were performed;
    4. the person responsible for performing the analyses;
    5. the analytical techniques or methods used;
    6. the results of such analyses.

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**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) *Operations Plan* (Section L);
- 2) *Groundwater Monitoring Plan Addendum* (Section M);
- 3) *Stormwater berm sideslope stability information* (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005 (replaced by Plan Sheets referenced in Specific Condition A.2.h.(3) below);  
**Amended 03/18/2008.**

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into *Operations Plan* [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document- except as noted), including:

1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),

2) Application form dated April 26, 2006 (received May 30, 2006),

3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;

4) The following operational information (inserted into document listed in SC#A.2.a(1)):

a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,

b) revised Leachate Water Balance Form received May 30, 2006,

c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.

5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

New 07/11/2006.

g. Information concerning modification of the approved monitoring plan regarding the installation of a new background well (inserted into Operation Permit Renewal Application (3-ring bound document) [ref. SC#A.2.a.], including:

1) Application form pages 3 through 8 and page 40, signed/sealed August 2, 2006 (received August 22, 2006) and revised pages 4, 6, 32 and 33 dated February 22, 2007 (received February 26, 2007),

2) Section 4 (Ground Water Sampling and Parameters) of the *Ground Water Monitoring Plan Addendum* [ref. SC#A.2.a.(2)], dated February 22, 2007 (received February 26, 2007).

New 04/18/2007.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

h. Information concerning permit modification to change Phase I operation fill sequence (3-ring bound document) dated January 7, 2008 (received January 9, 2008), including:

- 1) Application form signed and sealed January 7, 2008 (received January 9, 2008),
- 2) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Revised Section L.2.f (pgs. L-6 & L-7) of the *Operations Plan*, revised January 2008,
  - b) Revised Section L.7.k (pg. L-18) of the *Operations Plan*, revised January 2008,
- 3) Plan Sheets titled, Sarasota County Phase I Class I Operations Drawings - Central County Solid Waste Disposal Complex ... (24" x 36" Sheets 1 through 9, 13C through 13R, and 14 through 17) dated January 2008, signed and sealed January 7, 2008 (received January 9, 2008) (replaces Plan Sheets referenced in Specific Condition A.2.b., above)

**New 03/18/2008.**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**4. Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

8. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

9. **Prohibitions.**

a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.



**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

- a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
- b. This permit authorizes the construction of the Citizen Convenience Center [ref. SC#A.2.e].
- c. Leachate force main and pump station.
  - 1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.
  - 2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

New 07/11/2006.

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

- a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:
  - 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
  - 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.
  - 3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

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**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

h. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

- 2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.
- 3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.
- i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.
- j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.
- k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b., below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**2. Operating Personnel.**

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.

c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

**3. Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

**4. Monitoring of Waste.**

a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the *Operation Plan*, §L.7.k. [ref. SC#A.2.h.(2)(b)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

**Amended 03/18/2008.**

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded. **Repair within 7 days of detection; or**

2) Waste or liner is exposed. Repair **within 48 hours of detection**, or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection**.

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.

c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.

**8. Leachate Management.**

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.

b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.

c. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.

1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The final report shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

- 2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].
- 3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.
- 4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.
- 5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
- 6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.
- 7) Leachate tank inspections.
  - a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.
  - b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref.SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

Amended 07/11/2006.

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.

New 07/11/2006.

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.

c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.

d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.

f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.

g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.

h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

10. **Waste Handling Requirements**. All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area

a) is adequately covered with a tarp or rain cell cover; OR

b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND

c) has no evidence of leachate seepage, AND

d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].

4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see Operation Plan, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the Operation Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f.].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref. SC#A.2.h.(3)], and as described in the Operation Plan §L.2.f. [ref. SC#A.2.h.(2)(a)], or as otherwise approved in writing by the Department.

**Amended 03/18/2008.**

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).



**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved Operation Plan [ref. SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The Operation Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough (~~struckthrough~~) and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.

2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;

3) Load checking records;

4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

5) Operator and spotter training certificates and other documentation;

6) Log of odor complaints and corrective action; and  
7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved ***Operations Drawings***.

**3. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than **ninety (90) days** prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

3. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)], including revised Section 4 [ref. SC#A.2.g(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), are described as follows:

<u>Well #</u>	<u>WACS Testsite ID #</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1R *	20585	Surficial	Background	See Figure L-1
MW-8A	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R	20588	Surficial	Detection	↓
MW-12R	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 30 days of permit modification #130542-004 issuance** in accordance with the construction details provided in Table 4-1 of the Groundwater Monitoring Plan Addendum, revised February 22, 2007; documentation of well construction details as indicated in Specific Condition #E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition #E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 30 days of permit modification #130542-004 issuance**; documentation of well abandonment as indicated in Specific Condition #E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition #E.5.d., shall be submitted **within 30 days of installation** of proposed well MW-1R.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.  
Amended 04/18/2007.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**4. Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition #E.3., for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

b. An initial sampling event at well MW-1R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
<u>Those parameters listed in</u>	
<u>40 CFR Part 258, Appendix II</u>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.  
Amended 04/18/2007.

c. The background well (MW-1R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)  
Amended 04/18/2007.

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
<u>Those parameters listed in</u>	
<u>40 CFR Part 258, Appendix I</u>	

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

a. Prior to construction of all new or replacement wells (excluding well MW-1R) the permittee shall request and receive Department approval of a minor permit modification. Amended 04/18/2007.

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form #62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**8. Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (**attached**):

<u>Leachate Sample ID #</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID #</u>
C-1	Cell #1	20580
C-2	Cell #2	20581
C-3	Cell #3	20582
C-4	Cell #4	20583
C-5	Cell #5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref.SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

**a. Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific conductivity	Total ammonia - N	Calcium
pH	Bicarbonate	Iron
Dissolved oxygen	Carbonate	Magnesium
Colors & sheens	Chlorides	Mercury
(by observation)	Nitrate	Potassium
	Sulfate	Sodium
	Total dissolved solids (TDS)	

**b. Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition #E.8.a., plus the parameters listed in 40 CFR Part 258, Appendix II.

**c.** If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition #E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.



**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d.  
Amended 04/18/2007.

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), as follows:

<u>Surface</u> <u>Water ID #</u>	<u>WACS Testsite</u> <u>ID #</u>	<u>Location</u>
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.  
Amended 04/18/2007.

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens (by observation)	Iron	Total organic carbon (TOC)
Surface water elevation	Magnesium	Total dissolved solids (TDS)
	Mercury	Total suspended solids (TSS)
	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, Appendix I

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions #E.8.a., and #E.8.b.), surface water samples (Specific Condition #E.9.d.) and ground water samples (Specific Condition #E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**11. Monitoring Plan Evaluation.** By **February 1, 2007 and no later than August 1, 2009**, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**3. Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.

Amended 04/18/2007.

**4. Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.**
  - a. There are no currently closed areas of the Class I landfill.
  - b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

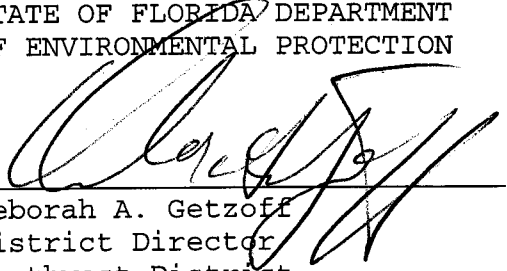


PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Manager

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of sinkholes or subsurface instability Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2) F.2.c.	Quarterly, by January 15 <sup>th</sup> April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit leachate generation reports Submit gas monitoring results
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 30 days of modification #130542-004 issuance	Install well MW-1R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW PEN  
UPSTREAM SLOUGH  
MONITORING

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75



**PBS&**

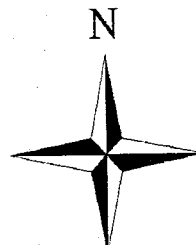
SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELL  
GAS MONITORING PROBES (GP) AND AMBIENT  
FEBRUARY 2000

N SLOUGH,  
SURFACE WATER  
LOCATION

SARASOTA COUNTY CENTRAL  
SOLID WASTE DISPOSAL  
COMPLEX



Natural Resources  
Aerial Date: 03/01



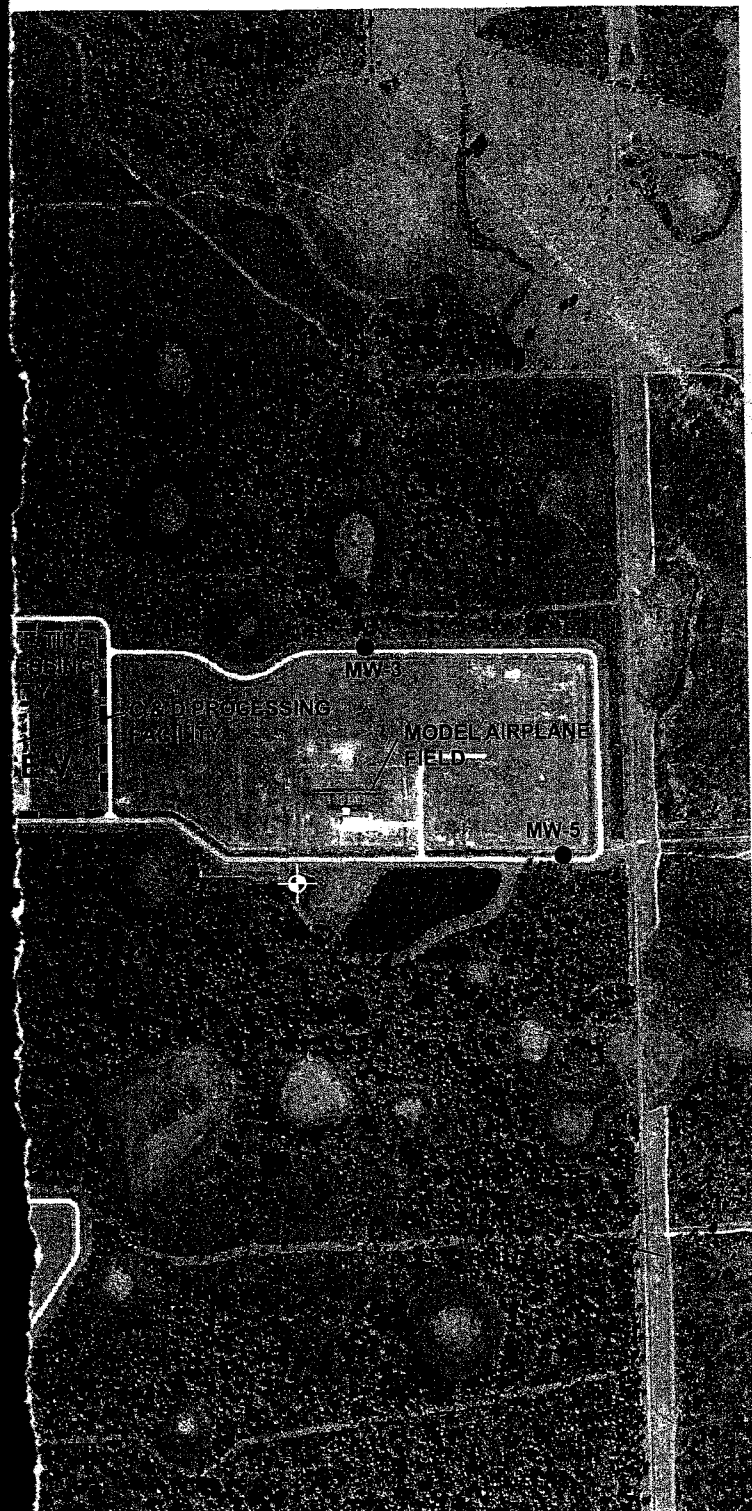
**LEGEND:**

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- AMBIENT GAS MONITORING LOCATIONS (6) -  
GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD  
GM-2 C&D PROCESSING AREA  
GM-3 COUNTY MAINTENANCE BUILDING  
GM-4 ADMINISTRATION BUILDING  
GM-5 SCALE HOUSE  
GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6)  
MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12

---- LIMITS OF SOLID WASTE

Map Version: 02/13/03

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA



SARASOTA COUNTY  
SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
AND GAS MONITORING LOCATIONS (GM)  
2007

FIGURE L-1  
REVISED



G:\PROJECT\Sarasota\09201010.01\cells.dwg Aug 16, 2002 - 5:44pm Layout Name: Layout1 By: 2190keg

**C-1**  
**LEGEND**  
LOCATION OF LEACHATE  
PUMP VALVE BOX

**NOTE:**  
SOURCE: MODIFIED FROM CDM,  
1996 OPERATION PERMIT APPLICATION  
SHEET NO. 1. DECEMBER 1996.

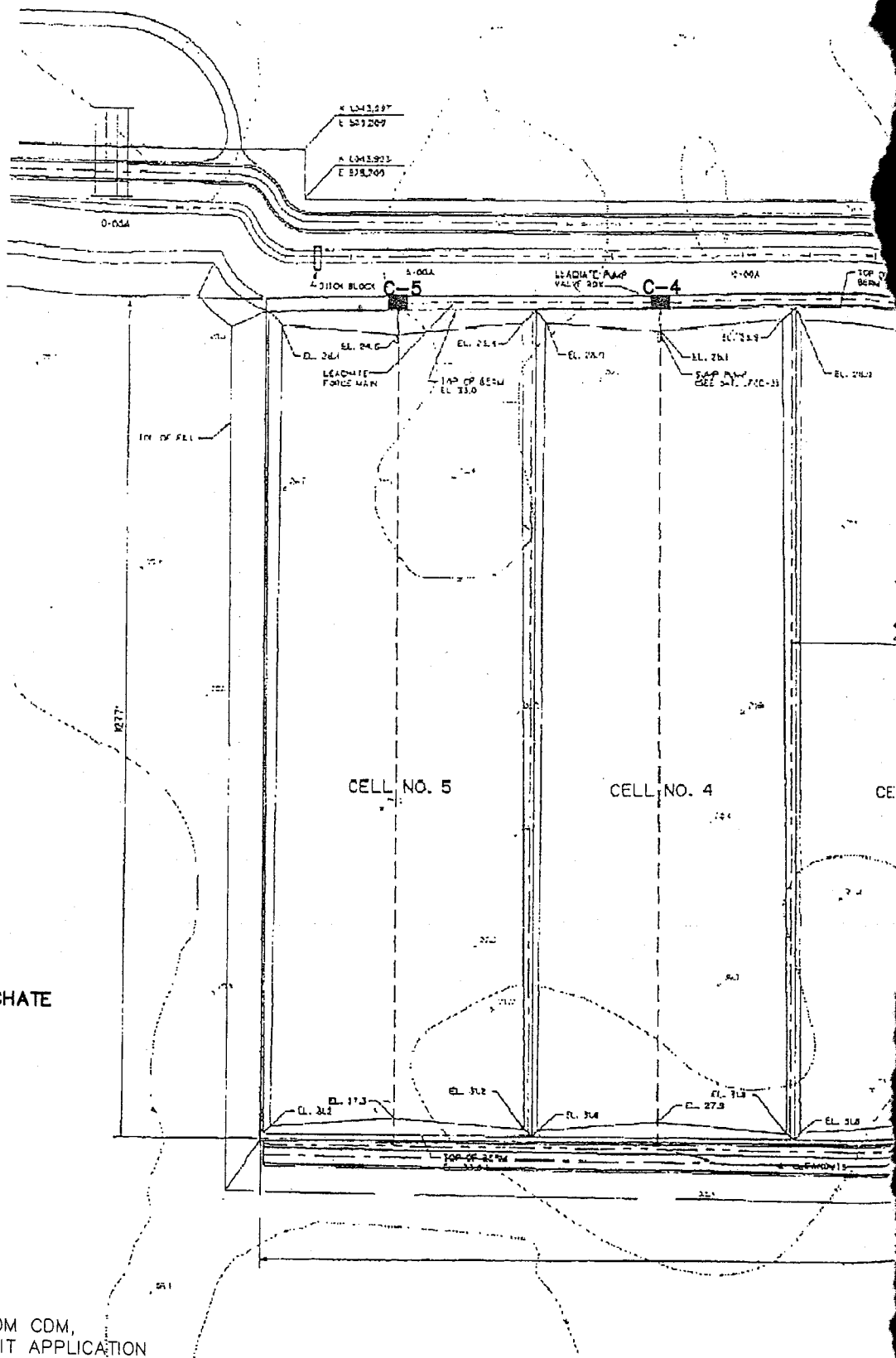
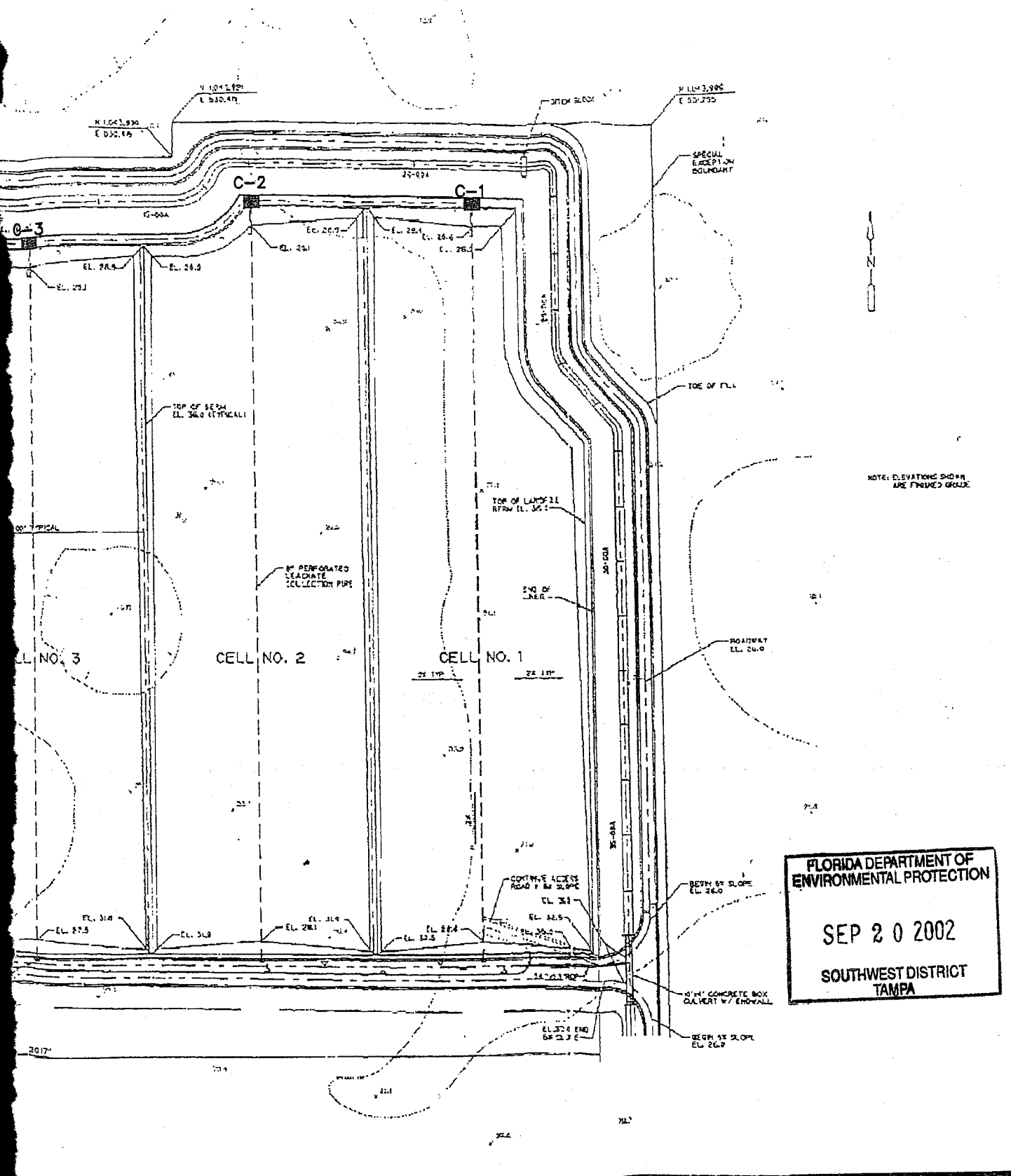


Figure L-1A. Site Plan Showing Leachate Pump

NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
  
SEP 20 2002  
  
SOUTHWEST DISTRICT  
TAMPA

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

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: \_\_\_\_\_

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ (bls) DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab              Comp QAP # /HRS Certification # \_\_\_\_\_

                                    \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
(year/quarter)

or (MSL):

Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

Page 2 of 2

April 10, 2009

Ms. Susan Pelz, P.E.  
Program Manager, Solid Waste  
Department of Environmental Protection  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Dept. of Environmental  
Protection  
APR 13 2009  
Southwest District

**Re: Estimated Remaining Disposal Capacity and Site Life  
Class I, Phase I Landfill  
Central County Solid Waste Disposal Complex  
Sarasota County, Florida  
Existing FDEP Permit No. 130542-002-SO/01**

Dear Ms. Pelz:

On behalf of Sarasota County, HDR Engineering, Inc. (HDR) is pleased to submit the estimated remaining disposal capacity and site life estimates for the Class I, Phase I landfill at the Central County Solid Waste Disposal Complex (CCSWDC), in accordance with Rule 62-701.500 (13) (c), F.A.C. and Specific Condition Part D, 2., e., included in the subject FDEP operations permit. Provided below is a summary of the calculations used in estimating the remaining disposal capacity and site life for the Class I, Phase I landfill at the CCSWDC.

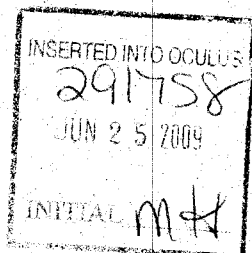
#### **DECEMBER 2008 TOPOGRAPHIC SURVEY**

An aerial topographic survey was flown on December 3, 2008, and provided to Sarasota County by their landfill operations contractor (see attached drawing, Sheet 1, and signed and sealed survey in Attachment A). The topographic survey was prepared by a Professional Land Surveyor. The topographic survey was used as "existing conditions" as part of the remaining airspace calculations as discussed below.

Based on review of the December 2008 topographic survey, the Class I, Phase I landfill has not yet reached final grades as shown in the FDEP approved fill sequence plans, modified in December 2008. Side slopes that reached intermediate cover grades appear to be no steeper than 3 horizontal to 1 vertical.

#### **ESTIMATED REMAINING GROSS AIRSPACE**

The estimated gross remaining airspace was calculated using the December 2008 topographic survey (existing conditions as of December 2008) and overlaying the final cover grades as shown in the December 2008 fill sequence drawings. The gross airspace



was calculated using AutoCad computer software. As shown on the attached drawing Sheet 2, the calculated remaining gross airspace is 1,230,595 cubic yards (cy). The remaining gross airspace volume does not account for airspace consumed by daily cover soil or final cover soil.

### **ESTIMATED NET REMAINING AIRSPACE**

The estimated net airspace was calculated by estimating the soils used in landfill operations and for final closure. As shown in Attachment B (hand calculations), it was assumed that of the remaining 1,230,595 cy of gross airspace, daily/initial cover soils would consume 5 percent of the airspace volume. In addition, the 3D surface area of the Phase I final closure surface is 2,676,029 square feet (sf). Based on a final closure cap system including 12 inches of intermediate soil cover, 18 inches of soil over geosynthetics, and a 6-inch soil vegetative layer, the soil cap thickness is 3 feet. Hence, the airspace volume consumed by the final closure cap is 297,337 cy.

Therefore, the estimated net remaining airspace is as follows:

- **Gross airspace = 1,230,595 cy**

**Less,**

Estimated daily cover soils = 61,530 cy

Estimated final cover soils = 297,337 cy

- **Estimated net remaining airspace = 871,728 cy**

Therefore, based on the calculated gross airspace volume and the cover soils, the estimated net airspace as of December 3, 2008 is 871,728 cy.

### **PROJECTED WASTE FLOW**

The recent downturn in the economy has decreased the actual volume of waste landfilled at the CCSWDC. To more accurately assess and project the volume of waste landfilled at the CCSWDC and as shown in Table 1, the actual waste received during 2008 was used for projecting subsequent years. As shown in Table 1, the 2008 waste tonnages for each month during 2008 were increased by 1.5 percent annually for 2009, 2010, and 2011. In addition, the waste tonnages were converted to cubic yards based on the County's landfill operator's contractually required compaction density of 1,428 lbs/cy. Table 1 includes a total in tonnages and cubic yards for 2008 through 2011. The projected waste flow for each month and year was used in estimating the remaining Phase I site life as further discussed below.




Ms. Susan Pelz, P.E.  
April 10, 2009  
Page 3

### REMAINING PHASE I SITE LIFE

As shown in Table 2 and using the net available airspace beginning in December 2008 and the projected monthly waste flows for 2008 through 2011, the estimated remaining Phase I site life is 26 months as of December 3, 2008, or 21 months from the date of this letter. As shown in Table 2, the remaining Phase I landfill airspace will be expended in February 2011.

Sincerely,  
**HDR ENGINEERING, INC.**



Richard A. Siemering  
Solid Waste Section Manager

Attachments

cc: Frank Coggins, Sarasota County

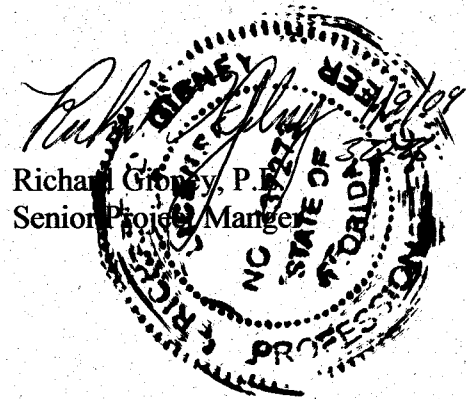


TABLE 1. ACTUAL AND ESTIMATED WASTE ACCEPTANCE PROJECTIONS

2008 THROUGH 2011  
 PHASE I LANDFILL  
 CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
 SARASOTA COUNTY, FLORIDA

MONTH	2008 WASTE TONNAGES	2008 WASTE CUBIC YARDS	ESTIMATED 2009 WASTE TONNAGES	ESTIMATED 2009 WASTE CUBIC YARDS	ESTIMATED 2010 WASTE TONNAGES	ESTIMATED 2010 WASTE CUBIC YARDS	ESTIMATED 2011 WASTE TONNAGES	ESTIMATED 2011 WASTE CUBIC YARDS
January	26,721.60	37,425	27,122.42	37,987	27,529.26	38,556	27,942.20	39,135
February	24,501.89	34,316	24,869.42	34,831	25,242.46	35,354	25,621.10	35,884
March	25,487.12	35,696	25,869.43	36,232	26,257.47	36,775	26,651.33	37,327
April	25,068.57	35,110	25,444.60	35,637	25,826.27	36,171	26,213.66	36,714
May	23,200.71	32,494	23,548.72	32,981	23,901.95	33,476	24,260.48	33,978
June	22,052.83	30,886	22,383.62	31,350	22,719.38	31,820	23,060.17	32,297
July	22,995.12	32,206	23,340.05	32,689	23,690.15	33,179	24,045.50	33,677
August	20,668.90	28,948	20,978.93	29,382	21,293.62	29,823	21,613.02	30,270
September	20,906.09	29,280	21,219.68	29,719	21,537.98	30,165	21,861.05	30,618
October	21,352.06	29,905	21,672.34	30,353	21,997.43	30,809	22,327.39	31,271
November	19,415.25	27,192	19,706.48	27,600	20,002.08	28,014	20,302.11	28,434
December	23,122.50	32,384	23,469.34	32,870	23,821.38	33,363	24,178.70	33,864
TOTAL	275,492.64	385,844	279,625.03	391,632	283,819.41	397,506	288,076.70	403,469

Notes:

1. 2008 waste tonnages are actual, recorded waste tonnages.
2. Waste tonnages for 2009 through 2011 are estimated and were increased by 1.5% annually.
3. Conversion from tons to cubic yards based on a waste compaction density of 1,428 lbs/cy
4. Waste tonnages for 2008 provided by Sarasota County

Dept. of Environmental  
 Protection  
 APR 13 2009  
 Southwest District

**TABLE 2. ESTIMATED REMAINING AIRSPACE AND SITE LIFE  
PHASE I LANDFILL  
CENTRAL COUNTY SOLID WASTE DISPOSAL COMPLEX  
SARASOTA COUNTY, FLORIDA**

<b>MONTH/YEAR</b>	<b>ESTIMATED WASTE IN PLACE (CY)</b>	<b>REMAINING NET AIRSPACE (CY)</b>
<b>REMAINING NET AIRSPACE AS OF DECEMBER 2008</b>		<b>871,728</b>
<b>2008</b>		
December	32,384	<b>839,344</b>
<b>2009</b>		
January	37,987	801,357
February	34,831	766,526
March	36,232	730,294
April	35,637	694,657
May	32,981	661,676
June	31,350	630,326
July	32,689	597,637
August	29,382	568,255
September	29,719	538,536
October	30,353	508,182
November	27,600	480,582
December	32,870	<b>447,712</b>
<b>2010</b>		
January	38,556	409,155
February	35,354	373,802
March	36,775	337,027
April	36,171	300,855
May	33,476	267,379
June	31,820	235,559
July	33,179	202,380
August	29,823	172,557
September	30,165	142,392
October	30,809	111,583
November	28,014	83,569
December	33,363	<b>50,206</b>
<b>2011</b>		
January	39,135	<b>11,071</b>
February	35,884	<b>-24,813</b>

**ATTACHMENT A  
TOPOGRAPHIC SURVEY**

Dept. of Environmental  
Protection

APR 13 2009

Southwest District

# KUCERA INTERNATIONAL INC.

PHOTOGRAMMETRISTS • GEOMATIC PROFESSIONALS • ENGINEERS

## KUCERA SOUTH

A wholly owned subsidiary of Kucera International, Inc.

Certificate of Authorization Number 6643

2215 South Florida Avenue  
Lakeland Florida 33803-7226

*Corporate Headquarters*  
38133 Western Parkway  
Willoughby, OH 44094-7589  
(440) 975-4230  
Fax (440) 975-4238  
map@kucerainternational.com

## REPORT OF TOPOGRAPHIC MAP SURVEY OF LANDS IN Sections 2 & 3 -Township 38 South-Range 19 East In Sarasota County, Florida

*Henderson Aerial Surveys*  
3889 Grove City Road  
Grove City, OH 43123-9193  
(614) 539-3925  
Fax (614) 539-3928  
map@hendersonaerial.com

know as

**Sarasota Landfill  
for  
Veolia Enviromental  
Nokomis, Florida**

*Keddal Aerial Mapping*  
1121 Boyce Road, Suite 3100  
Pittsburgh, PA 15241-3955  
(724) 942-2881  
Fax (724) 942-2885  
map@keddalaerial.com

Our Project No. 36084-Date of Photography December 3 ,2008

### Ground Surveys and Custodianship

Ground surveys for mapping were obtained from previous established mapping supplied by Veolia Enviromental / Onyx Waste.

*Kucera South*  
2215 South Florida Avenue  
Lakeland, FL 33803-7226  
(863) 686-8640  
Fax (863) 688-9594  
map@kucerasouth.com

This topographic map and report is not valid without the signature and original seal of a Florida licensed surveyor and mapper which can be found at the end of this report. The map and report are not full and complete without the other.

*Kucera Southeast*  
41 Andover Place  
Bluffton, SC 29909  
(843) 705-2592  
Cell (843) 540-2157  
t.mangus@kucerainternational.com

### ACCURACY

Horizontal and vertical ground surveys meet minimum relative accuracy for photogrammetric topographic mapping at 1" = 100' with 1' contours.

Photogrammetric topographic mapping meets accuracy standards as classified in the Florida Minimum Technical Standards—Chapter 61G17-6.

*Kucera West*  
18921G East Valley View Parkway  
PMB 296  
Independence, MO 64055  
(816) 516-0493  
(866) 336-2908  
t.connelly@kucerainternational.com

### LIMITATIONS

No ground surveys were obtained to check photogrammetric horizontal and vertical accuracy's. . This map for viewing at a scale of 1"=100' or smaller.

Planimetric features and vertical data that is obscured from the stereo operators view due to heavy brush, long grass, tree cover or other physical features are to be considered horizontally and vertically indefinite and further ground surveys must be taken to bring these features to an accuracy that meets Minimum Technical Standards. Buildings are shown roof line only.



Continued  
Sarasota Co. Landfill  
Topographic Mapping  
12-3-2008  
Nokomis, FL

Prepared for:  
Client: Veolia Enviromental  
Address: 4000 Knights Trail Road  
City : Nokomis, Florida 34275

Survey and Mapper in Responsible Charge:  
Larry E. Towles  
KUCERS SOUTH  
Professional Surveyor and Mapper  
License Number LS5413

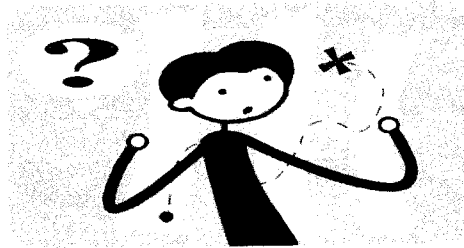
Larry E. Towles

Date Signed: 12-3-2008

Seal

# ATTENTION

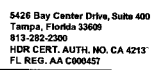
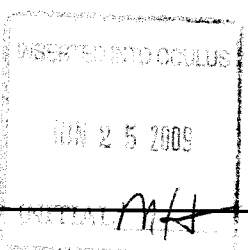
# 1



**AN OVERSIZED MAP HAS  
BEEN SCANNED  
SEPARATELY PLEASE SEE:**

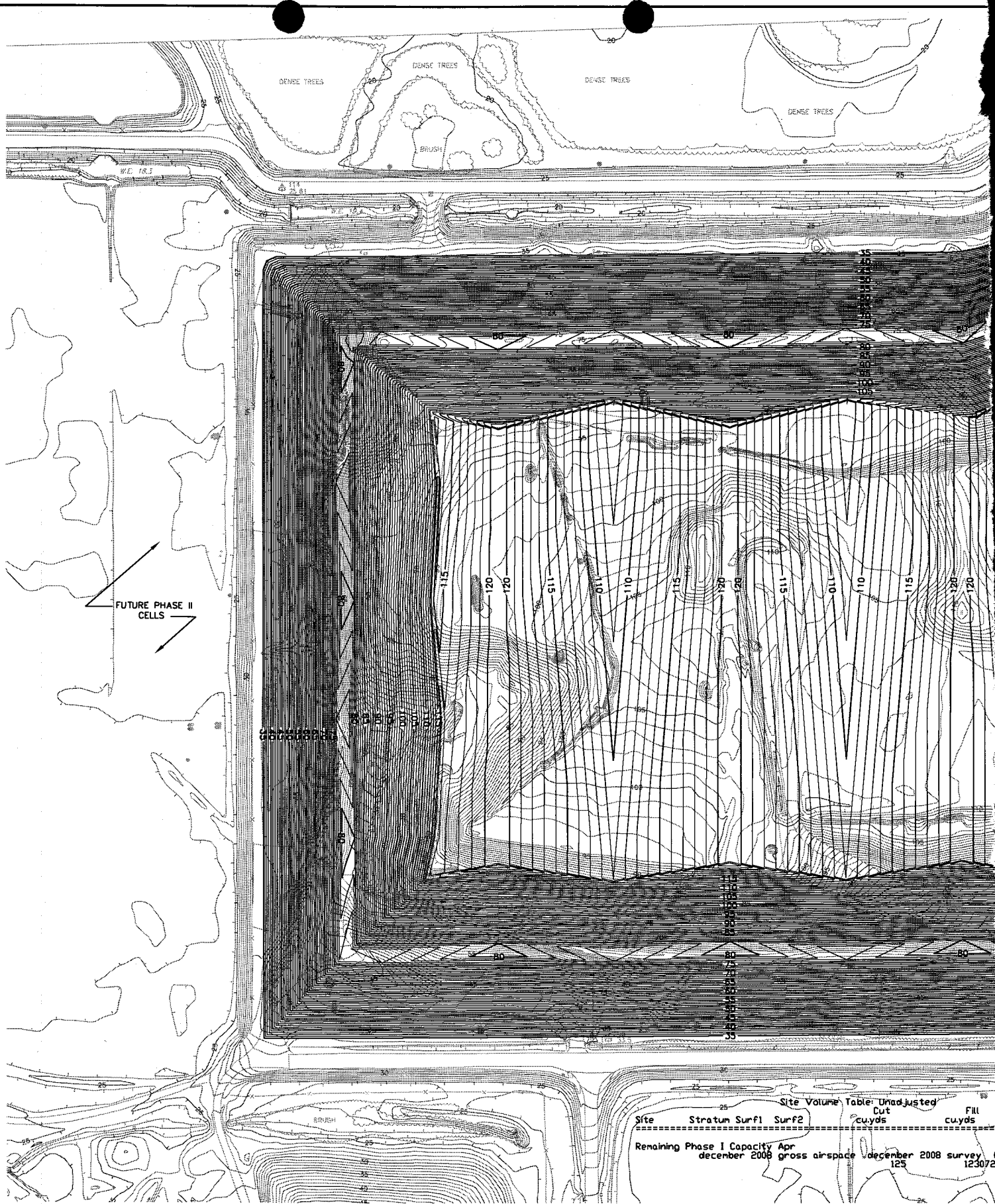
- **2009 ANNUAL TOPO & CAPACITY  
ESTIMATES— SITE TOPOGRAPHIC MAP**





			PROJECT MANAGER	
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	





Site		Stratum Surf1 Surf2		Site Volume Table Unadjusted	Cut	Fill
				cuyds	cuyds	cuyds
Remaining Phase I Capacity Apr		december 2008 gross airspace		december 2008 survey	125	123072

**HDR**

5426 Bay Center Drive, Suite 400  
Tampa, Florida 33609  
813-282-2300  
HDR CERT. AUTH. NO. CA 4213  
FL REG. AA C906457

PROJECT MANAGER				
PROJECT NUMBER				
ISSUE	DATE	DESCRIPTION		

HEAVY BRUSH AND SCATTERED TREES

SCALE 1" = 100'

PROPOSED FINAL  
COVER GRADE (TYP)

EXISTING GRADE  
(TYP.)

SCATTERED TREES AND BRUSH

DENSE TREES

NOTES:

1. EXISTING TOPOGRAPHIC SURVEY PERFORMED ON DECEMBER 3, 2008, BY KUCERA SOUTH AND PROVIDED VEOLIA ENVIRONMENTAL.
2. FINAL BUILDOUT CONTOURS AS SHOWN REPRESENT TOP OF FINAL COVER GRADES.
3. REMAINING AIRSPACE VOLUMES AS SHOWN HEREIN ARE GROSS VOLUMES AND DO NOT ACCOUNT FOR DAILY, INTERMEDIATE, OR FINAL COVER SOILS.
4. PROPOSED PHASE I SOUTH ACCESS ROAD NOT SHOWN FOR CLARITY AND NOT INCLUDED IN AIRSPACE CALCULATIONS.

SARASOTA COUNTY  
PHASE I  
REMAINING SITE LIFE

PHASE I  
FINAL BUILDOUT

0 1" 2"

FILENAME

SCALE

SHEET

2

**ATTACHMENT B**  
**SITE LIFE CALCULATIONS**

Project: SARASOTA COUNTY

Computed: RS Date: 4-3-09

Subject: PHASE I SITE LIFE

Checked: Date:

Task:

Page: 1 of: 2

Job #:

No:

## • GROSS AIRSPACE

- USE 12/3/2008 TOPOGRAPHIC SURVEY AND FDEP APPROVED FINAL BUILDOUT GRADES FROM FILL SEQUENCE DRAWINGS.
- FROM CAD,
  - GROSS AIRSPACE = 1,230,595 c<sub>y</sub>
  - FINAL COVER 3D SURFACE AREA = 2,676,029 SF

## • DAILY COVER SOILS

- ASSUME DAILY COVER SOILS CONSUME 5% OF REMAINING GROSS AIRSPACE

HENCE,

$$1,230,595 - 5\% = 1,169,065 \text{ c}_y$$

## • FINAL COVER

### - FINAL COVER CONFIGURATION

- 12" INTERMEDIATE COVER
- 18" SOIL OVER GEOMEMBRANE
- 6" SOIL VEGETATIVE LAYER

= 3' SOILS THICKNESS

Project: SARASOTA COUNTY	Computed: RS	Date: 4-3-09
Subject: PHASE I SITE LIFE	Checked:	Date:
Task:	Page: 2	of: 2
Job #:	No:	

$$- 3D \text{ AREA FOR FINAL COVER} \\ = 2,676,029$$

HENCE, AIRSPACE CONSUMED BY  
FINAL COVER =

$$[(2,676,029)(3')] / 27 \\ = 297,337 \text{ cy}$$

• NET AVAILABLE AIRSPACE

$$- \text{GROSS AIRSPACE} = 1,230,595 \text{ cy}$$

$$- \text{AIRSPACE CONSUMED BY DAILY COVER} \\ = 61,530 \text{ cy}$$

$$- \text{AIRSPACE CONSUMED BY FINAL COVER} \\ \text{SOILS} \\ = 297,337$$

$$\text{THUS, NET AVAILABLE AIRSPACE} \\ = 1,230,595 - 61,530 - 297,337 \\ = \underline{871,728 \text{ cy}}$$



February 19, 2009

Ms. Susan Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637

Dept. of Environmental  
Protection

FEB 19 2009

Re: **Excess Leachate Conveyance Pipe Installation at the  
Class I, Phase I Landfill Cell  
Central County Solid Waste Disposal Complex  
Sarasota County, Florida  
Permit No.: 130542-002-SO/01**

Southwest District

Dear Ms. Pelz:

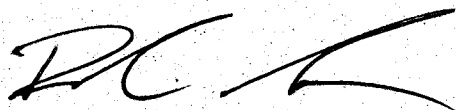
As you are aware, excess leachate generated for high rainfall events is directed to a small section on the west side of Phase I cell 5 and within the lined area of the Class I, Phase I landfill cell at the Sarasota Central County Solid Waste Disposal Complex (CCSWDC). Excess accumulated leachate and leachate impacted stormwater is pumped to this area to infiltrate through the sand layer and into the Phase I leachate collection removal system (LCRS). Construction of the Phase II cell expansion began on February 17, 2009. As such, the west side slope of the Phase I cell will soon need to be filled in, including the area on the edge of Cell 5 that is used as an infiltration basin, in accordance with the fill sequence plans. Given that the rainy season will soon be approaching, Sarasota County wishes to continue to use the leachate infiltration area as shown on the attached drawing so that the County can continue to have direct access to the LCRS to manage excessive leachate generated from a catastrophic rain event. As the plan shows, HDPE pipes will be installed below grade to allow for the excess collected leachate and stormwater to be conveyed to the sand layer along the lined, west area of the Phase I cell for more rapid infiltration into the LCRS. Under normal conditions, the conveyance system may not be required as leachate generation is held to a minimum by following proper operating procedure. However, if the CCSWDC experiences a high intensity storm event, the excess leachate could be generated and a conveyance system to the LCRS will be needed for containing and conveying the excess leachate and/or stormwater into the sand layer for removal by the Phase I LCRS. Upon achieving final grades within the Phase I landfill cell, the HDPE leachate conveyance piping as shown on the attached plan will be abandoned in place (with waste cover, 6-inches of initial soil cover, and 12-inches of intermediate soil cover).

Ms. Susan Pelz, P.E.  
February 19, 2009  
Page 2

At your earliest convenience, please provide us your comments on the installation of temporary piping as shown on the attached drawing.

We appreciate your cooperation regarding this matter.

Sincerely,  
**HDR ENGINEERING, INC.**

A handwritten signature in black ink, appearing to read 'R. A. Siemering', with a stylized flourish at the end.

Richard A. Siemering  
Solid Waste Section Manager

Attachment

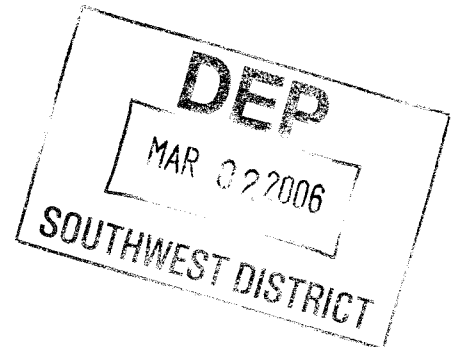
cc: Frank Coggins, Sarasota County  
Thomas Yanoschak, HDR

## SCS ENGINEERS

March 2, 2006  
File No. 09201010.22

Mr. Steve Morgan  
Solid Waste Permitting  
Florida Department of Environmental Protection  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637

Subject: Sarasota County, CCSWDC  
Clarification to Operations Drawings



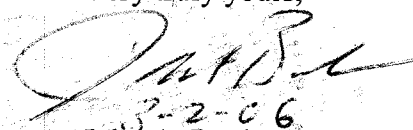
Dear Steve:

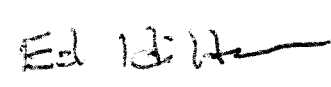
On behalf of Sarasota County, SCS Engineers (SCS) is submitting the enclosed four signed and sealed copies of revised sheet 12 of the Operations Drawings. The reason for this submittal is because it was discovered that through the past revisions to the fill sequencing plans the final build out elevation of the Phase 1 area was lowered from elevation 118 feet NGVD to 115.4 feet NGVD. This change should not have been made and does not affect the intent of the fill sequencing or operational drawings. The revised sheet restores the originally approved final build out elevation and provides additional clarity on the final grading plan.

We also want to note that the County has been receiving greater than projected waste quantities and, as a result, has deviated slightly from the approved fill sequencing plans. SCS is working with the County to address this issue by developing revised fill sequencing drawings. These drawings will be submitted to the Department as a request for a minor permit modification in the near future.

Please call us if you have any questions or comments related to this matter.

Very truly yours,

  
3-2-06  
John A. Banks, P.E.  
Project Director  
SCS ENGINEERS

  
C. Ed Hilton, P.E.  
Solid Waste Division Director  
SCS ENGINEERS

cc: Frank Coggins, Sarasota County





# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

CERTIFIED MAIL 7007 2680 0000 5032 6569  
RETURN RECEIPT REQUESTED

March 18, 2008

## NOTICE OF PERMIT

Mr. Frank Coggins, Manager  
Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, Florida 34275

Re: Central County Solid Waste Disposal Complex  
Modification #130542-008-SO/MM to existing  
Operation Permit # 130542-002-SO/01, Sarasota County

Dear Mr. Coggins:

Attached is modified Operation Permit 130542-002-SO/01, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 130542-008-SO/MM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Page 1 of 41	Existing	Amended	General Information - Operation Plan and Operation Drawings references modified.
#A.2.b.	Existing	Amended	References replacement of previously approved operation drawings with revised drawings.
#A.2.h.	-	New	Additional permitting documents referenced.
#C.6.e.	Existing	Amended	Operation Plan reference modified.
#C.12.	Existing	Amended	Operation Plan and Operations Drawings references modified.

This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

A person whose substantial interests are affected by this modification of permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above

at the time of filing. Failure to file a petition within fourteen (14) days shall constitute a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

The petition shall contain the following information;

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of Department's action, or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends warrant reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

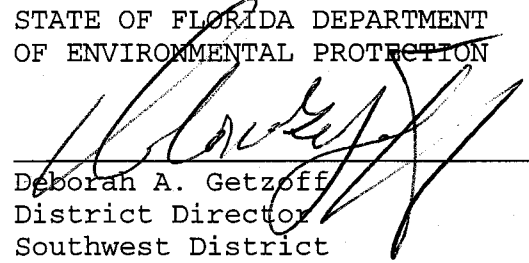
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C. Mediation is not available in this proceeding.

This modified permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rules 62-110 and 28-106, F.A.C. Upon timely filing of a petition or a request for an extension of time this transfer of permit will not be effective until further Order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Blvd., Mail Station 35, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
District Director  
Southwest District

DAG/sgm

Attachment

Copies furnished to:

Sarasota County Elected Officials Notification  
Thomas M. Yanoschak, P.E., DEE, HDR Engineering, Inc., 3725 National Dr., Suite  
103, Raleigh, NC 27612-4879  
Richard Tedder, FDEP Tallahassee, (via e-mail)  
Fred Wick, FDEP, Tallahassee, (via e-mail)  
Ronni Moore, OGC Tallahassee (via e-mail)  
Susan Pelz, P.E., FDEP Tampa

**CERTIFICATE OF SERVICE**

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on MARCH 18, 2008 to the listed persons.  
(date stamp)

FILING AND ACKNOWLEDGMENT FILED,  
on this date, pursuant to Section  
120.52(10), Florida Statutes, with the  
designated Department, Clerk, receipt  
of which is hereby acknowledged.

Anna Brantley  
Clerk

3-18-08  
Date



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Jeff  
Lt.

Michael  
Sc

## PERMITTEE

Sarasota County  
Solid Waste Operations  
c/o Mr. Frank Coggins, Manager  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.h.(3), Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.h.(3), Sheet 3]

Amended \_\_\_\_\_.

Replaces permit #SO58-299180

Includes modification #130542-003-SO/MM, dated 07/11/2006.

Includes modification #130542-004-SO/MM, dated 04/18/2007.

Includes modification #130542-008-SO/MM, dated **03/18/2008**.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.



**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

- 1. the date, exact place, and time of sampling or measurements;
- 2. the person responsible for performing the sampling or measurements;
- 3. the dates analyses were performed;
- 4. the person responsible for performing the analyses;
- 5. the analytical techniques or methods used;
- 6. the results of such analyses.

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**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) Operations Plan (Section L);
- 2) Groundwater Monitoring Plan Addendum (Section M);
- 3) Stormwater berm sideslope stability information (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005 (replaced by Plan Sheets referenced in Specific Condition A.2.h.(3) below);  
**Amended 03/18/2008.**

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into Operations Plan [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document-except as noted), including:

- 1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),
- 2) Application form dated April 26, 2006 (received May 30, 2006),
- 3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;
- 4) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,
  - b) revised Leachate Water Balance Form received May 30, 2006;
  - c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.
- 5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

New 07/11/2006.

g. Information concerning modification of the approved monitoring plan regarding the installation of a new background well (inserted into Operation Permit Renewal Application (3-ring bound document) [ref. SC#A.2.a.], including:

- 1) Application form pages 3 through 8 and page 40, signed/sealed August 2, 2006 (received August 22, 2006) and revised pages 4, 6, 32 and 33 dated February 22, 2007 (received February 26, 2007),
- 2) Section 4 (Ground Water Sampling and Parameters) of the *Ground Water Monitoring Plan Addendum* [ref. SC#A.2.a.(2)], dated February 22, 2007 (received February 26, 2007).

New 04/18/2007.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

h. Information concerning permit modification to change Phase I operation fill sequence (3-ring bound document) dated January 7, 2008 (received January 9, 2008), including:

- 1) Application form signed and sealed January 7, 2008 (received January 9, 2008),
- 2) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Revised Section L.2.f (pgs. L-6 & L-7) of the *Operations Plan*, revised January 2008,
  - b) Revised Section L.7.k (pg. L-18) of the *Operations Plan*, revised January 2008,
- 3) Plan Sheets titled, Sarasota County Phase I Class I Operations Drawings - Central County Solid Waste Disposal Complex ... (24" x 36" Sheets 1 through 9, 13C through 13R, and 14 through 17) dated January 2008, signed and sealed January 7, 2008 (received January 9, 2008) (replaces Plan Sheets referenced in Specific Condition A.2.b., above)

**New 03/18/2008.**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**4. Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.
8. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.
9. **Prohibitions.**
  - a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.
  - b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.
  - c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.



**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

- a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
- b. This permit authorizes the construction of the Citizen Convenience Center [ref. SC#A.2.e].
- c. Leachate force main and pump station.
  - 1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.
  - 2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

New 07/11/2006.

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:

- 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
- 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.
- 3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

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**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

**h. Site Inspections.**

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

- 2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.
- 3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.
- i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.
- j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.
- k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b., below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**2. Operating Personnel.**

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.

c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

**3. Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

**4. Monitoring of Waste.**

a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the *Operation Plan*, §L.7.k. [ref. SC#A.2.h.(2)(b)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

**Amended 03/18/2008.**

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded. **Repair within 7 days of detection; or**

2) Waste or liner is exposed. **Repair within 48 hours of detection**, or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection**.

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

- b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.
  - c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.
8. **Leachate Management.**
- a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.
  - b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.
  - c. Leachate Collection and Removal System (LCRS) Inspections/Maintenance.
    - 1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a *final report* summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The *final report* shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

- 2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].
- 3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.
- 4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.
- 5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
- 6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.
- 7) Leachate tank inspections.
  - a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.
  - b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref. SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

Amended 07/11/2006.

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.

New 07/11/2006.

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.

c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.

d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.

f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.

g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.

h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

10. **Waste Handling Requirements**. All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

- 2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.
- 3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area
  - a) is adequately covered with a tarp or rain cell cover; OR
  - b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND
  - c) has no evidence of leachate seepage, AND
  - d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

- 1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.
- 2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.
- 3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].
- 4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see Operation Plan, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the Operation Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f.].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref. SC#A.2.h.(3)], and as described in the Operation Plan §L.2.f. [ref. SC#A.2.h.(2)(a)], or as otherwise approved in writing by the Department.

**Amended 03/18/2008.**

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).



**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved *Operation Plan* [ref. SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The *Operation Plan* shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough (~~struckthrough~~) and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.
- 2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

5) Operator and spotter training certificates and other documentation;

6) Log of odor complaints and corrective action; and

7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved ***Operations Drawings.***

**3. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than ninety (90) days prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

3. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)], including revised Section 4 [ref. SC#A.2.g(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), are described as follows:

WACS Testsite				
Well #	ID #	Aquifer	Designation	Location
MW-1R *	20585	Surficial	Background	See Figure L-1
MW-8A	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R	20588	Surficial	Detection	↓
MW-12R	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 30 days of permit modification #130542-004 issuance** in accordance with the construction details provided in Table 4-1 of the Groundwater Monitoring Plan Addendum, revised February 22, 2007; documentation of well construction details as indicated in Specific Condition #E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition #E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 30 days of permit modification #130542-004 issuance**; documentation of well abandonment as indicated in Specific Condition #E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition #E.5.d., shall be submitted **within 30 days of installation** of proposed well MW-1R.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.  
Amended 04/18/2007.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**4. Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

**a.** Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition #E.3., for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

**b.** An initial sampling event at well MW-1R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
<u>40 CFR Part 258, Appendix II</u>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.  
Amended 04/18/2007.

**c.** The background well (MW-1R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)  
Amended 04/18/2007.

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
<u>40 CFR Part 258, Appendix I</u>	

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

- a. Prior to construction of all new or replacement wells (excluding well MW-1R) the permittee shall request and receive Department approval of a minor permit modification.  
Amended 04/18/2007.
- b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form #62-522.900(3), Monitor Well Completion Form (**attached**).
- c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.
- d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

8. **Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (**attached**):

<u>Leachate Sample ID #</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID #</u>
C-1	Cell #1	20580
C-2	Cell #2	20581
C-3	Cell #3	20582
C-4	Cell #4	20583
C-5	Cell #5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref. SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

a. **Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

**Field Parameters**

Specific conductivity  
pH  
Dissolved oxygen  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	

b. **Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition #E.8.a., plus the parameters listed in 40 CFR Part 258, Appendix II.

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition #E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.



**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d.  
Amended 04/18/2007.

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), as follows:

<u>Surface</u> <u>Water ID #</u>	<u>WACS Testsite</u> <u>ID #</u>	<u>Location</u>
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.  
Amended 04/18/2007.

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens (by observation)	Iron	Total organic carbon (TOC)
Surface water elevation	Magnesium	Total dissolved solids (TDS)
	Mercury	Total suspended solids (TSS)
	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, **Appendix I**

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions #E.8.a., and #E.8.b.), surface water samples (Specific Condition #E.9.d.) and ground water samples (Specific Condition #E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**11. Monitoring Plan Evaluation.** By **February 1, 2007 and no later than August 1, 2009**, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

3. **Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.  
Amended 04/18/2007.

4. **Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

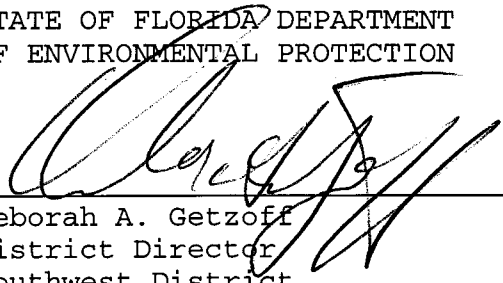
1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.**
  - a. There are no currently closed areas of the Class I landfill.
  - b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Manager

MIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



---

Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2)	Quarterly, by January 15 <sup>th</sup>	Submit leachate generation reports
F.2.c.	April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit gas monitoring results
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 30 days of modification #130542-004 issuance	Install well MW-1R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application



DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW PEN  
UPSTREAM SURFACE  
MONITORING LOCATION

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75



**PBS**

SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELLS  
GAS MONITORING PROBES (GP) AND AMBIENT MONITORING POINTS (AM)  
FEBRUARY 1997

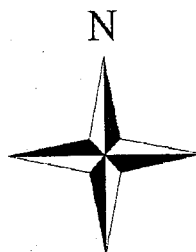
N SLOUGH,  
SURFACE WATER  
LOCATION



SARASOTA COUNTY CENTRAL  
SOLID WASTE DISPOSAL  
COMPLEX



Natural Resources  
Aerial Date: 03/01



**LEGEND:**

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- ▣ AMBIENT GAS MONITORING LOCATIONS (6) -  
GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD  
GM-2 C&D PROCESSING AREA  
GM-3 COUNTY MAINTENANCE BUILDING  
GM-4 ADMINISTRATION BUILDING  
GM-5 SCALE HOUSE  
GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6)  
MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

Map Version: 02/03/03

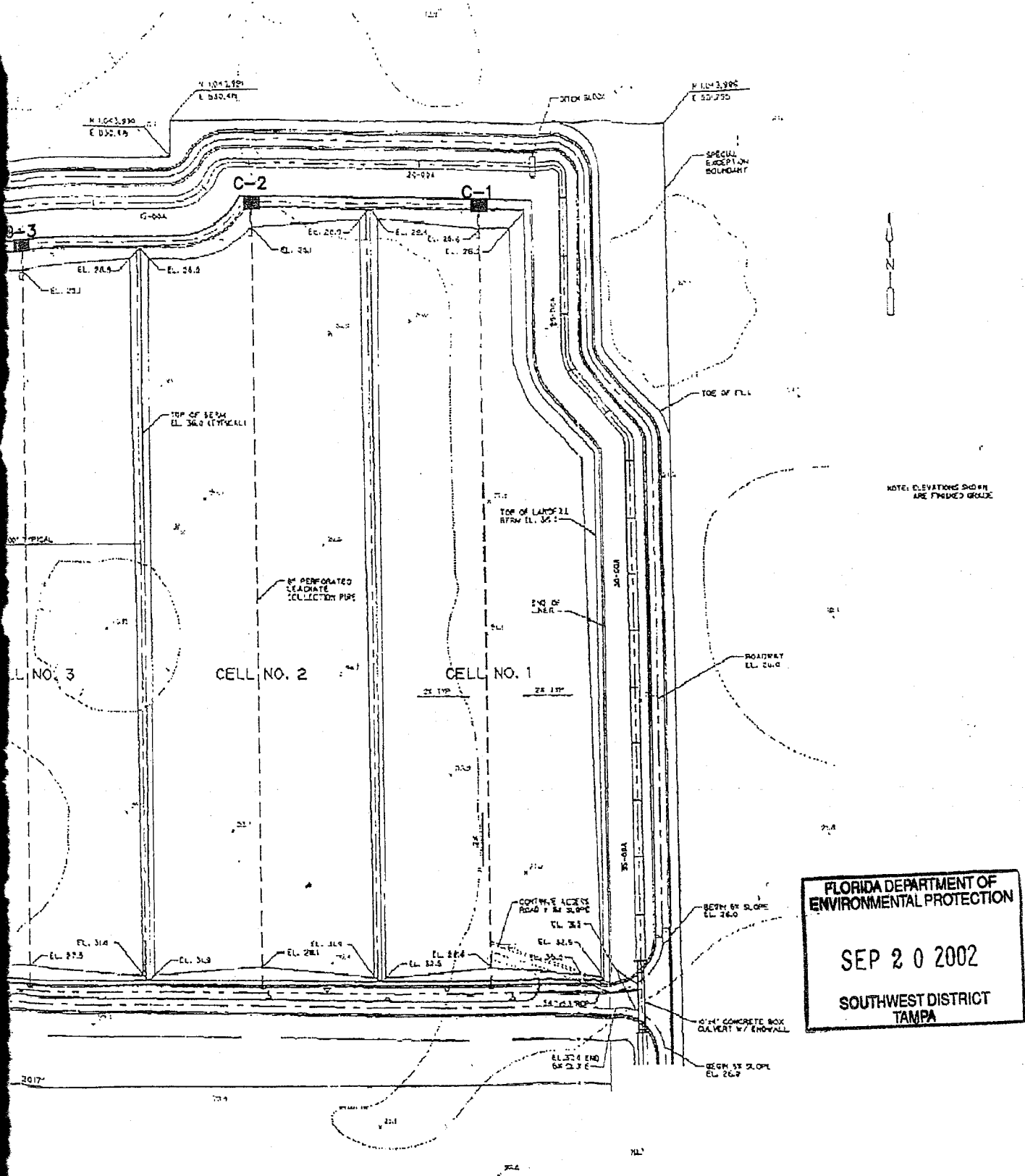
FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

SARASOTA COUNTY  
SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
MONITORING GAS MONITORING LOCATIONS (GM)  
2007

FIGURE L-1  
REVISED

Figure L-1A. Site Plan Showing Leachate Pump

NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

SEP 20 2002

SOUTHWEST DISTRICT  
TAMPA

SCS ENGINEERS

Valve Boxes, Central County Solid Waste Disposal Complex, Sarasota County, Florida.

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

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: \_\_\_\_\_

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab              Comp QAP # /HRS Certification # \_\_\_\_\_

                                    \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
(year/quarter)

Ground Water Elevation (NGVD): \_\_\_\_\_  
or (MSL): \_\_\_\_\_

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

Page 2 of 2

Permitting Application - Events

Events Scheduled 23 of 30

Site # 0130542 Site Name SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)  
 Permit # 0130542-008-SO Type/Subtype SO / MM Received 01/10/2008  
 Project # 008 Project Name SARASOTA CENTRAL COMPLEX

> STOP CLOCK: Done

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	01/10/2008	1	01/11/2008		Done	01/10/2008
Fee Verification	01/10/2008	2	01/12/2008		Sufficient Fee	01/12/2008
Completeness Review	01/10/2008	30	02/09/2008		Complete	01/10/2008
Determine Agency Action	01/10/2008	90	04/09/2008		Issue	03/18/2008
Issue Final Permit	03/18/2008	14	04/01/2008		Issued	03/18/2008
STOP CLOCK	03/18/2008	1	03/19/2008		Done	03/18/2008
ISSUE PERMIT	03/18/2008	1	03/19/2008		Issued	03/18/2008





January 9, 2008

Ms. Susan J. Pelz, P.E.  
Florida Department of Environmental Protection  
Southwest District  
13051 Telecom Parkway  
Temple Terrace, FL 33637-0926

Subject: Central County Solid Waste Disposal Complex – Phase I  
Minor Modification Permit Application  
Permit No.: 130542-002-SO/01

Dear Ms. Pelz:

On behalf of Sarasota Solid Waste Operations (SWO), HDR Engineering, Inc. (HDR) is pleased to submit a Minor Modification Permit Application for the Phase I disposal area supplemental fill sequencing and side slope infilling at the Central County Solid Waste Disposal Complex (CCSWDC). Enclosed are the permit application documents which include the following:

- Four sets of the minor modification permit application and supporting documentation. The permit application and other parts of the application have been signed and sealed (where required) by a Professional Engineer or Geologist, registered in the state of Florida.
- Four sets of operations fill sequence plans for Phase I area, signed and sealed by a Professional Engineer registered in the state of Florida.

In addition, as required by Rule 62-4.050(4)(s), enclosed is a check for permit fees in the amount of \$250.00 for a minor modification.

Please call me if you require any clarifications or information relating to this submittal.

Sincerely,

Richard A. Siemering  
Solid Waste Senior Project Manager

cc: Frank Coggins, SWO  
Thomas Yanoschak, HDR

**Southwest District  
Permitting Application**

New Site

Site Name:		
Site ID:		
County:		
Type/Subcode:		
Fee submitted:	( ) correct	( ) incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Existing Site

Site ID: 130542 - 008		
Project Name: SARASOTA CENTRAL COMPLEX CLASS I PHASE I SEQUENCE MOD		
Type/Subcode: 50/mm		
Fee submitted:	250 <sup>00</sup> <input checked="" type="checkbox"/> correct	( ) incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Applicant Information

Name: FRANK COGGINS	
Role: APPLICANT	
Company: SARASOTA CO	
Address: 4000 KNIGHTS TRAIL ROAD	
City: NOKOMIS	Zip Code: 34275
Phone: 941-861-1570	

Fee verified by: [Signature]  
Application Assigned To: S. MURPHY Date: 1/16/08



An employee-owned company

June 28, 2007

Mr. John R. Morris, P.G.  
Florida Department of Environmental Protection  
Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

Dept. of Environmental  
Protection

JUN 29 2007

Southwest District

**RE: Sarasota County  
Bee Ridge Class I Landfill, Closed  
WACS ID No.: SWD/58/51611  
Central County Solid Waste Disposal Complex  
WACS ID No.: SWD/58/51614  
Biennial Report Extension of Time to File Request**

Dear Mr. Morris:

On behalf of Sarasota County, PBS&J is requesting additional time to prepare and file the biennial evaluations of the water quality monitoring plans for the above cited landfills. PBS&J is in the process of assuming the duty to prepare these reports and we can submit the biennial reports on the following proposed schedule:

Bee Ridge Landfill	September 15, 2007
Central County Solid Waste Disposal Complex	August 15, 2007

74144

138444 TIME EXTENSION  
FROM 2/1/07

We thank you for your consideration of our request. Please do not hesitate to contact me if you have any questions or comments regarding this matter.

Sincerely,

P. Greg Mudd, P.G.  
Senior Project Manager

Cc: Frank Coggins, Sarasota County w/2 copies  
File 120544.17 0200

U:\SO\Oldg\HAZARD\Sarasota\Letter To John Morris 6-28-07.Doc

**Morris, John R.**

---

**From:** Morris, John R.  
**Sent:** Friday, June 29, 2007 1:40 PM  
**To:** Paul Wingler (pwingler@scgov.net)  
**Cc:** Pelz, Susan; Morgan, Steve; Tom Yanoschak (thomas.yanoschak@hdrinc.com); Frank Coggins (fcoggins@scgov.net)  
**Subject:** Sarasota Central LF -- monitoring plan evaluation report

Paul:

The responses to RAI #1 for Sarasota Central Phase II expansion were received June 22, 2007. Review comment #6.b. in my memorandum dated March 22, 2007 requested submittal of the contour maps for the sampling events conducted between the second half 2001 and the second half 2006 that were intended to be included in the monitoring plan evaluation report that was required to be submitted on February 1, 2007. The HDR response to this review comment indicated that while the monitoring plan evaluation report had not been submitted, the contour maps for the referenced sampling events were included in the responses to RAI #1.

My notes of our telephone conversation on May 7, 2007 indicated that PBS&J will be working on submitting this monitoring plan evaluation report. My notes also indicated that I requested notification of the anticipated due date for submitting the monitoring plan evaluation once the work order was approved by the County. Please provide an update regarding the completion of this report and its anticipated submittal date.

Thanks for your assistance in this matter. Please contact me if you have questions about this message.

John

\*\*\*\*\*

John R. Morris, P.G.  
FDEP SW District Office, Solid Waste Section  
13051 N. Telecom Pkwy.  
Temple Terrace, FL 33637-0926.

Telephone: 813-632-7600, ext. 336; suncom 514-9155, ext. 336  
Facsimile: 813-632-7664  
E-mail: john.r.morris@dep.state.fl.us

*Sarasota Central UF  
Op Permit***Williams, Selena**

---

**From:** Williams, Selena  
**Sent:** Thursday, August 03, 2006 1:20 PM  
**To:** 'dshaulis@co.sarasota.fl.us'  
**Cc:** Pelz, Susan; Morris, John R.  
**Subject:** July 6, 2006 Semi-annual Groundwater, Leachate, and Surface Water Monitoring Reports

Dear Mr. Shaulis,

I am the new Solid Waste Inspector for the Southwest District in Tampa.

The Department has received the "Semi-Annual Groundwater, Leachate and Surface Water Monitoring Reports," and has noted some missing information. The information that is needed is:

Surface water data (was not included)  
Leachate data was incomplete (Appendix II was not included)

Additionally, the cover letter references the old permit number and old Specific Condition number.

Please revise the cover letter to reference the correct permit number: No. 130542-002-SO/01 and Specific Condition number: E.10 and submit the requested information to Department within 15 days.

If you have any questions, please contact me.

Thank You,

Selena Williams

Selena Williams, E.S. I., FDEP SW District Office, Solid Waste Section  
Telephone: 813-632-7600, ext. 375; suncom 514-9155, ext. 375  
Facsimile: 813-632-7664; E-mail: selena.williams@dep.state.fl.us

8/3/2006



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

April 18, 2007

CERTIFIED MAIL 7004 1350 0002 5570 7406  
RETURN RECEIPT REQUESTED

## NOTICE OF PERMIT MODIFICATION

### **PERMITTEE:**

Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, FL 34275  
Attention: Mr. Frank Coggins, Operations Manager

**Re: Modification #130542-004 to Existing Permit #130542-002-SO/01  
Central County Solid Waste Disposal Complex, Class I Landfill  
Sarasota County**

Dear Mr. Coggins:

Attached is modification #**130542-004** to Permit #**130542-002-SO/01**, issued pursuant to Section 403.087(1), Florida Statutes (F.S.). This modification is for:

<u>Specific Condition No.</u>	<u>Content</u>
Cover page (Amended)	References permit modification #130542-004.
A.2.g. (New)	References the application for permit minor modification and supporting information received Aug. 22, 2006 and Feb. 26, 2007.
E.3., E.4.b., E.4.c., and E.5.a. (Amended)	Reference new background well MW-1R
E.9.b., E.9.c., and F.3. (Amended)	Reference revised Figure L-1 used as a permit attachment

This letter must be attached to your permit and becomes a part of the permit. This letter and its attachments constitute a complete permit and replace all previous permits and permit modifications for the above referenced facility.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts, which the petitioner contends, warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

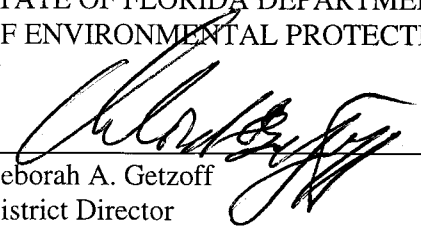
PERMITEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Operations Manager  
Sarasota Central Solid Waste Disposal Complex, Class I Landfill

PERMIT #: 130542-002-SO/01  
MODIFICATION #: 130542-004  
Page 3 of 3

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
District Director  
Southwest District

DAG/jrm  
Attachment  
Copies furnished to:

Sarasota County Board of County Commissioners, Nora Patterson, Chairperson,  
1660 Ringling Blvd., Sarasota, Florida 34236  
Sarasota County Notification List  
Paul Wingler, P.E., Sarasota County Solid Waste Operations  
Don Shaulis, Sarasota County Solid Waste Operations  
Joseph L. Miller, P.E., PBS&J, 482 South Keller Road, Orlando, FL 32810  
Patricia Comer, FDEP OGC Tallahassee, MS 35  
Richard Tedder, P.E., FDEP Tallahassee, MS 4565  
William Kutash, P.G., Program Administrator, FDEP Southwest District  
Permit Notebook

**CERTIFICATE OF SERVICE**

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on April 18, 2007 to the listed persons.

FILING AND ACKNOWLEDGMENT FILED,  
on this date, pursuant to Section 120.52(10), F.S.,  
with the designated Department, Clerk, receipt of  
which is hereby acknowledged.

Anna Glad      4/18/2007  
Clerk                                  Date





# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE

Sarasota County  
Solid Waste Operations  
Mr. Frank Coggins, Manager  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.b, Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.b., Sheet 3]

Replaces permit #S058-299180

Includes modification #130542-003-SO/MM, dated 07/11/2006.

Includes modification #130542-004-SO/MM, dated 04/18/2007.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - (a) Determination of Best Available Control Technology (BACT)
  - (b) Determination of Prevention of Significant Deterioration (PSD)
  - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
  - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    1. the date, exact place, and time of sampling or measurements;
    2. the person responsible for performing the sampling or measurements;
    3. the dates analyses were performed;
    4. the person responsible for performing the analyses;
    5. the analytical techniques or methods used;
    6. the results of such analyses.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Manager

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) Operations Plan (Section L);
- 2) Groundwater Monitoring Plan Addendum (Section M);
- 3) Stormwater berm sideslope stability information (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005;

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into Operations Plan [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document-except as noted), including:

- 1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),
- 2) Application form dated April 26, 2006 (received May 30, 2006),
- 3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;
- 4) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,
  - b) revised Leachate Water Balance Form received May 30, 2006,
  - c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.
- 5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

New 07/11/2006.

g. Information concerning modification of the approved monitoring plan regarding the installation of a new background well (inserted into Operation Permit Renewal Application (3-ring bound document) [ref. SC#A.2.a.], including:

- 1) Application form pages 3 through 8 and page 40, signed/sealed August 2, 2006 (received August 22, 2006) and revised pages 4, 6, 32 and 33 dated February 22, 2007 (received February 26, 2007),
- 2) Section 4 (Ground Water Sampling and Parameters) of the *Ground Water Monitoring Plan Addendum* [ref. SC#A.2.a.(2)], dated February 22, 2007 (received February 26, 2007).

New 04/18/2007.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**4. Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.

**5. Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

**6. General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

**7. Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

**8. Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.



**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

9. **Prohibitions.**

a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

- a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
- b. This permit authorizes the construction of the Citizen Convenience Center [ref. SC#A.2.e].
- c. Leachate force main and pump station.
  - 1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.
  - 2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

New 07/11/2006.

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:

- 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
- 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.
- 3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

h. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.

3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.

i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.

j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.

k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b., below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

**2. Operating Personnel.**

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.2., cont'd)

b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.

c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

3. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

4. **Monitoring of Waste.**

a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the *Operation Plan*, §L.7.k. [ref.SC#A.2.a(1)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded. **Repair within 7 days of detection;** or

2) Waste or liner is exposed. **Repair within 48 hours of detection,** or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection.**

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days.**

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.

**8. Leachate Management.**

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.

b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.

c. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.

1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The final report shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

- 3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.
- 4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.
- 5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
- 6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.
- 7) Leachate tank inspections.
  - a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.
  - b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref. SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

Amended 07/11/2006.

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.

New 07/11/2006.

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

- b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.
- c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.
- d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.
- e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.
- f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.
- g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.
- h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

10. **Waste Handling Requirements**. All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area

a) is adequately covered with a tarp or rain cell cover; OR

b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND

c) has no evidence of leachate seepage, AND

d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].

4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see Operation Plan, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the Operation Plan. Slopes shall be maintained in accordance with the Operations Drawings. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f.].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with Operations Drawings [ref. SC#A.2.b.], and as described in the Operation Plan [ref. SC#A.2.a(1)], or as otherwise approved in writing by the Department.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved Operation Plan [ref. SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The Operation Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough ~~(struckthrough)~~ and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.

2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;

3) Load checking records;

4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

- 5) Operator and spotter training certificates and other documentation;
- 6) Log of odor complaints and corrective action; and
- 7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.
- 8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved ***Operations Drawings***.

3. **Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than ninety (90) days prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

3. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)], including revised Section 4 [ref. SC#A.2.g(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), are described as follows:

<u>Well #</u>	<u>WACS Testsite ID #</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1R *	20585	Surficial	Background	See Figure L-1
MW-8A	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R	20588	Surficial	Detection	↓
MW-12R	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 30 days of permit modification #130542-004 issuance** in accordance with the construction details provided in Table 4-1 of the Groundwater Monitoring Plan Addendum, revised February 22, 2007; documentation of well construction details as indicated in Specific Condition #E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition #E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 30 days of permit modification #130542-004 issuance**; documentation of well abandonment as indicated in Specific Condition #E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition #E.5.d., shall be submitted **within 30 days of installation** of proposed well MW-1R.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.

**Amended 04/18/2007.**

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

4. **Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition #E.3., for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

b. An initial sampling event at well MW-1R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
<u>Those parameters listed in</u>	
<u>40 CFR Part 258, Appendix II</u>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.  
**Amended 04/18/2007.**

c. The background well (MW-1R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
<u>Those parameters listed in</u>	
<u>40 CFR Part 258, Appendix I</u>	

**Amended 04/18/2007.**

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

a. Prior to construction of all new or replacement wells (excluding well MW-1R) the permittee shall request and receive Department approval of a minor permit modification.

**Amended 04/18/2007.**

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form #62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.



**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

8. **Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (**attached**):

<u>Leachate Sample ID #</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID #</u>
C-1	Cell #1	20580
C-2	Cell #2	20581
C-3	Cell #3	20582
C-4	Cell #4	20583
C-5	Cell #5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref.SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

a. **Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific conductivity	Total ammonia - N	Calcium
pH	Bicarbonate	Iron
Dissolved oxygen	Carbonate	Magnesium
Colors & sheens	Chlorides	Mercury
(by observation)	Nitrate	Potassium
	Sulfate	Sodium
	Total dissolved solids (TDS)	

b. **Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition #E.8.a., plus the parameters listed in 40 CFR Part 258, Appendix II.

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition #E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d.

**Amended 04/18/2007.**

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), as follows:

<u>Surface</u> <u>Water ID #</u>	<u>WACS Testsite</u> <u>ID #</u>	<u>Location</u>
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

**Amended 04/18/2007.**

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens	Iron	Total organic carbon (TOC)
(by observation)	Magnesium	Total dissolved solids (TDS)
Surface water	Mercury	Total suspended solids (TSS)
elevation	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, Appendix I

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions #E.8.a., and #E.8.b.), surface water samples (Specific Condition #E.9.d.) and ground water samples (Specific Condition #E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**11. Monitoring Plan Evaluation.** By February 1, 2007 and no later than August 1, 2009, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report; as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

3. **Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.

**Amended 04/18/2007.**

4. **Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

- 1. Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
- 2. Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
- 3. Long-Term Care Requirements.**

  - a.** The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b.** Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
- 4. Use of Closed Landfill Areas.**

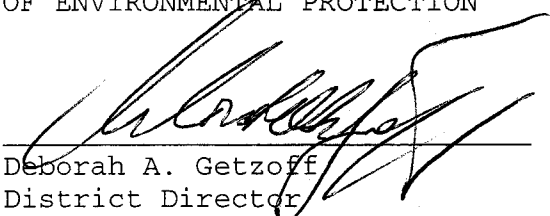
  - a.** There are no currently closed areas of the Class I landfill.
  - b.** Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Manager

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2)	Quarterly, by January 15 <sup>th</sup>	Submit leachate generation reports
F.2.c.	April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit gas monitoring results
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding



ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 30 days of modification #130542-004 issuance	Install well MW-1R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW PEN  
UPSTREAM S  
MONITORING

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75



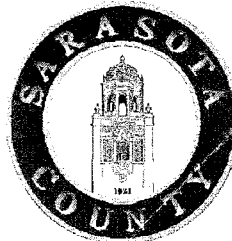
**PBS**

SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELLS  
GAS MONITORING PROBES (GP) AND AMBIENT MONITORING  
FEBRUARY 2003

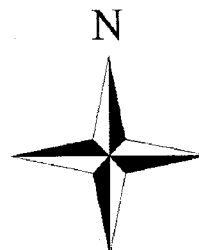
N SLOUGH,  
SURFACE WATER  
LOCATION



**SARASOTA COUNTY CENTRAL  
SOLID WASTE DISPOSAL  
COMPLEX**



Natural Resources  
Aerial Date: 03/01



**LEGEND:**

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- ▣ AMBIENT GAS MONITORING LOCATIONS (6) -  
GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD  
GM-2 C&D PROCESSING AREA  
GM-3 COUNTY MAINTENANCE BUILDING  
GM-4 ADMINISTRATION BUILDING  
GM-5 SCALE HOUSE  
GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6)  
MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

Map Version: 02/03/03

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

SARASOTA COUNTY  
CENTRAL SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
MONITORING GAS MONITORING LOCATIONS (GM)  
2007

**FIGURE L-1  
REVISED**

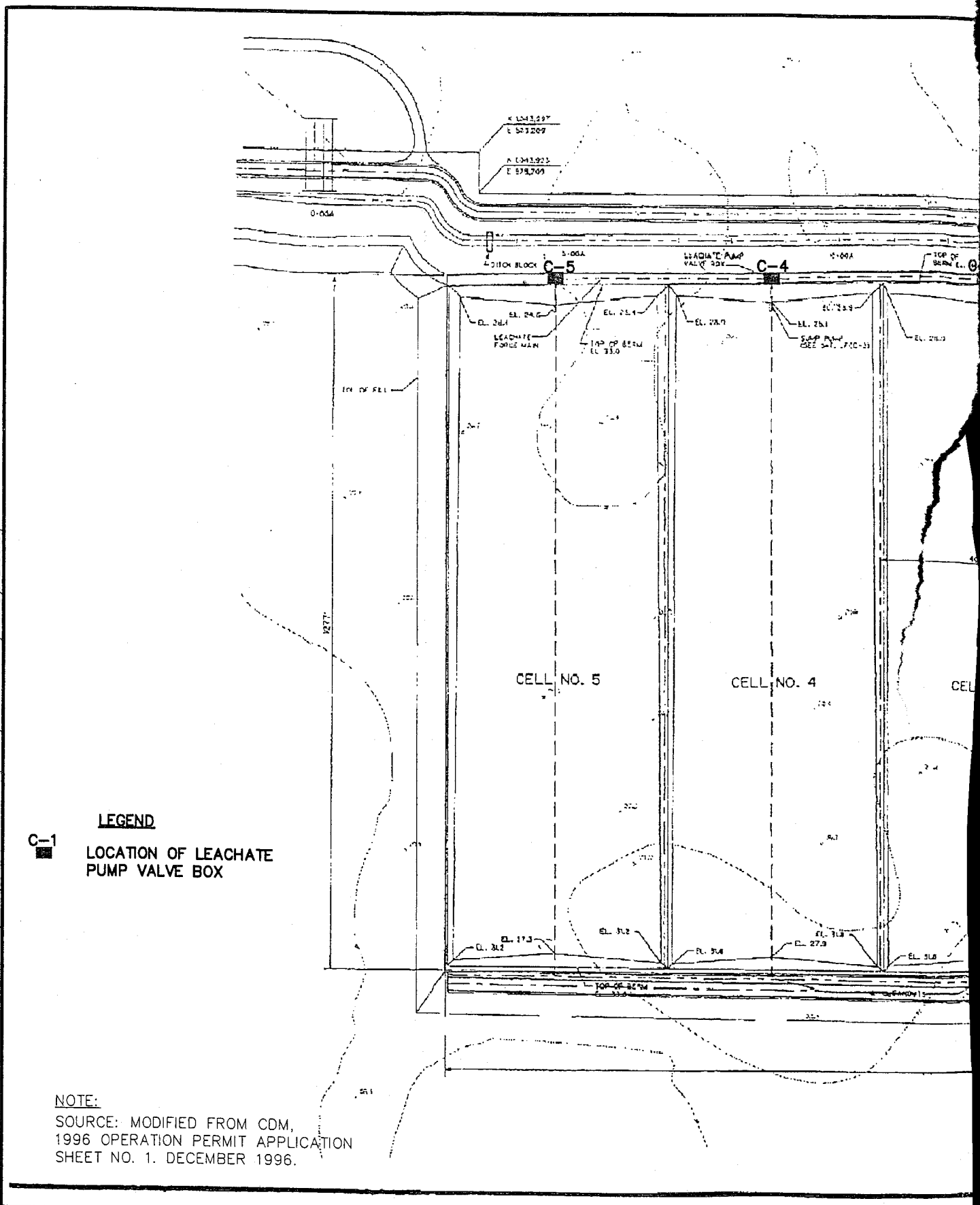
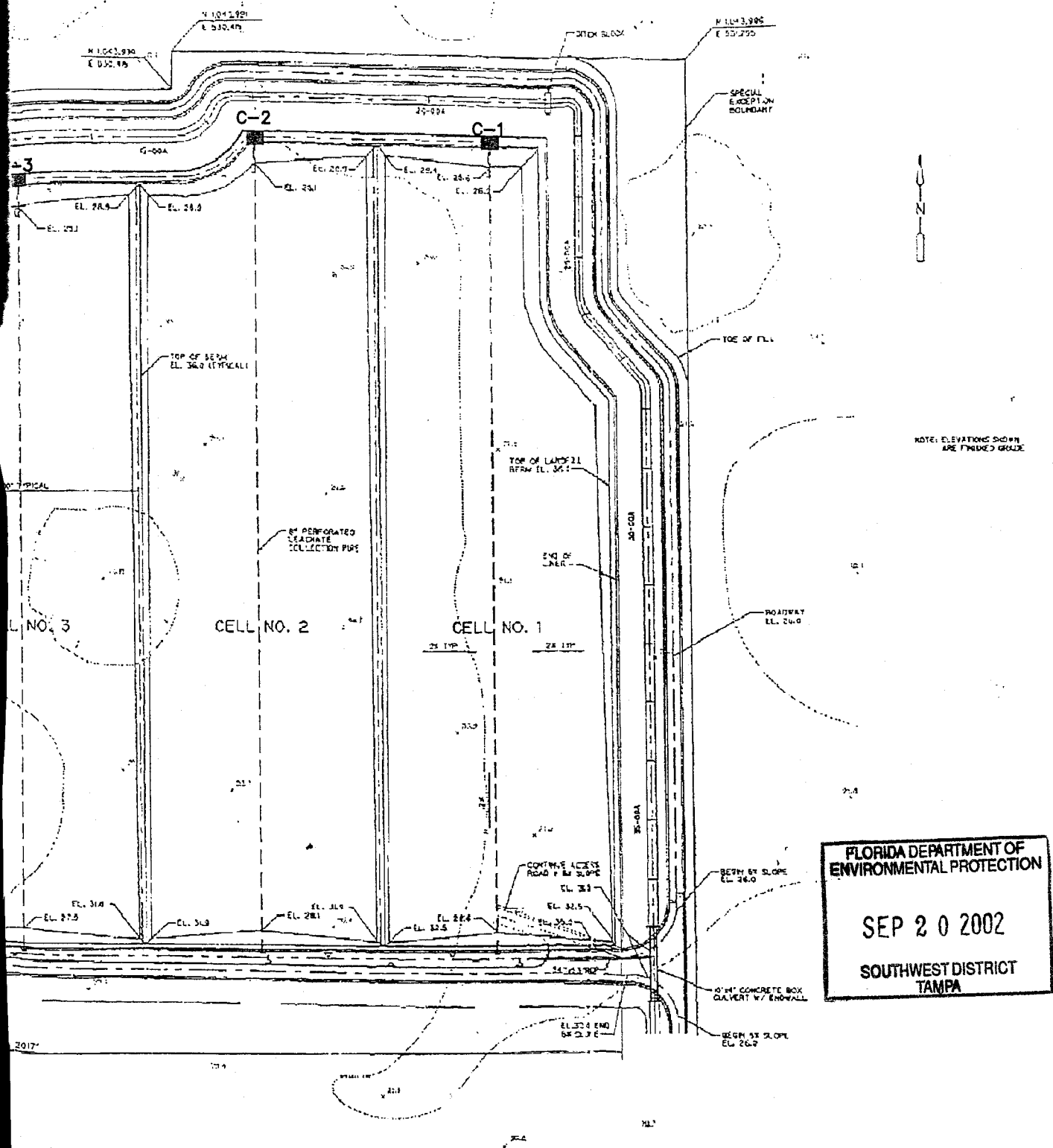


Figure L-1A. Site Plan Showing Leachate Pump

NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
  
SEP 20 2002  
  
SOUTHWEST DISTRICT  
TAMPA

SCS ENGINEERS

Valve Boxes, Central County Solid Waste Disposal Complex, Sarasota County, Florida.

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

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

## MONITOR WELL COMPLETION REPORT

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

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ DEPTH OF SCREEN: \_\_\_\_\_ (bls)

(bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab      Comp QAP # /HRS Certification # \_\_\_\_\_

                                 \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
(year/quarter)

Classification of Ground Water: \_\_\_\_\_ Well Type: (      ) Background

or (MSL): \_\_\_\_\_

Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

Page 2 of 2



✓

Logged Total	\$250.00
--------------	----------

**CRAF006A**

**\$250.00**

Remittance ID	761526	Type *	CP	Received Date *	01/09/2008	Status	RECEIVED
System Receipt	611898	PNR		Check # *	00936730	Amount *	250.00
SSN/FEID				Name *	SARASOTA COUNTY BOCC		
First			Middle			Title	Suffix
Address1	C/O SOLID WASTE OPERATIONS						
Address2	4000 KNIGHTS TRAIL ROAD						
City	NOKOMIS		ST	FL	Zip	34275	
Country			Short Comments	SO 130542-008			

[illegible]

**\$250.00**

**Payment Total**

**start**

Navigation icons: back, forward, search, etc.

Site Name	SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)			Site #	0130542
County	SARASOTA	Comments	N	RPAs	N
				# Cases	0

Permit #	-	Project #	008	Received	01/10/2008	CRA #	306399
Permit Office	SWD (DISTRICT)			Agency Action	Pending		
Project Name	SARASOTA CENTRAL COMPLEX		Desc	Class I Phase I sequence mod			
Type/Sub/Des	SO	MM	MINOR MODIFICATION			COE #	
Logged	01/15/2008		Issued		Expires		OGC
Fee	250.00		Fee Recd	250.00	Dele		Override NONE

Role	APPLICANT		Begin	01/15/2008		End			
Name	COGGINS, FRANK			Company	SARASOTA COUNTY				
Address	4000 KNIGHTS TRAIL ROAD								
City	NOKOMIS			State	FL	Zip	34275	Country	U.S.A.
Phone	941-861-1570		Fax			Email			

Processor	Active	Inactive	Events
MORGAN S	01/15/2008		

start

Permitting Application - Permit Detail and Log Permit

### SITE Permit

Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1) Site #: 0130542

County: SARASOTA Comments: N RPAS: N # Cases: 0

### Project

Permit #: 0130542-004 SO Project #: 004 Received: 08/22/2006 CRA #: 262602

Permit Office: SWD (DISTRICT) Agency Action: Issued

Project Name: SARASOTA CENTRAL LANDFILL Desc: mod to 130542-002-SO/mon plan revisions

Type/Sub/Des: SO / MM MINOR MODIFICATION COE #:

Logged: 08/23/2006 Issued: 04/18/2007 Expires: 07/20/2010 OGC:

Fee: 250.00 Fee Recd: 250.00 Del: Override: NONE

### Related Party

Role: APPLICANT Begin: 08/23/2006 End:

Name: COGGINS, FRANKLIN Company: SARASOTA COUNTY SOLID WASTE OPERATIONS

Address: 4000 KNIGHTS TRAIL RD

City: HOKOMIS State: FL Zip: 34275 - 3610 Country:

Phone: 941-361-5000 Fax: 941-486-2620 Email:

### Processors

Processor: MORRIS\_JR Y Active: 08/23/2006 Inactive: Events

Permitting Application - Events

### Events Scheduled

Site #: 0130542 Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)

Permit #: 0130542-004-SO Type/Subtype: SO / MM Received: 08/22/2006

Project #: 004 Project Name: SARASOTA CENTRAL LANDFILL

> STOP CLOCK: Done

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	08/22/2006	1	08/23/2006		Done	08/22/2006
Fee Verification	08/22/2006	2	08/24/2006		Sufficient Fee	08/23/2006
Completeness Review	08/22/2006	30	09/21/2006		Incomplete	09/19/2006
RESET CLOCK	09/19/2006	1	09/20/2006		Done	09/19/2006
Awaiting Additional Information	09/19/2006	45	11/03/2006		Received	02/26/2007
Completeness Review	02/26/2007	30	03/28/2007		Complete	02/26/2007
Determine Agency Action	02/26/2007	90	05/27/2007		Issue	04/18/2007
Issue Final Permit	04/18/2007	14	05/02/2007		Issued	04/18/2007
ISSUE PERMIT	04/18/2007	1	04/19/2007		Issued	04/18/2007
STOP CLOCK	04/18/2007	1	04/19/2007		Done	04/18/2007

Permitting Application - Permit Detail and Log Permit

**SITE Permit**

Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1) Site #: 0130542

County: SARASOTA Comments: N RPAs: N # Cases: 0

**Project**

Permit #: 0130542-003-SO Project #: 003 Received: 04/26/2006 CRA #: 251120

Permit Office: SWD (DISTRICT) Agency Action: Issued

Project Name: LEACHATE FORCE MAIN MOD Desc: mod to 130542-002-SO/01

Type/Sub/Des: SO / MM MINOR MODIFICATION COE #:

Logged: 05/01/2006 Issued: 07/11/2006 Expires: 07/20/2010 OGC:

Fee: 250.00 Fee Recd: 250.00 Dele: Override: NONE

**Related Party**

Role: APPLICANT Begin: 05/01/2006 End:

Name: COGGINS, FRANK Company: SARASOTA COUNTY

Address: 4000 KNIGHTS TRAIL ROAD

City: NOKOMIS State: FL Zip: 34275 Country: U.S.A.

Phone: 841-061-1570 Fax: Email:

**Processors**

Processor: PELZ\_S Y Active: 05/01/2006 Inactive: Events

Permitting Application - Events

**Events Scheduled** 49 of 90

Site #: 0130542 Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)

Permit #: 0130542-003-SO Type/Subtype: SO / MM Received: 04/26/2006

Project #: 003 Project Name: LEACHATE FORCE MAIN MOD

> ISSUE PERMIT-Issued

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	04/26/2006	1	04/27/2006		Done	04/26/2006
Fee Verification	04/26/2006	2	04/28/2006		Sufficient Fee	04/26/2006
Completeness Review	04/26/2006	30	05/26/2006		Incomplete	05/23/2006
RESET CLOCK	05/23/2006	1	05/24/2006		Done	05/23/2006
Awaiting Additional Information	05/23/2006	45	07/07/2006		Received	05/30/2006
Completeness Review	05/30/2006	30	06/29/2006		Complete	05/30/2006
Determine Agency Action	05/30/2006	90	08/28/2006		Issue	07/11/2006
Issue Final Permit	07/11/2006	14	07/25/2006		Issued	07/11/2006
ISSUE PERMIT	07/11/2006	1	07/12/2006		Issued	07/11/2006
STOP CLOCK	07/11/2006	1	07/12/2006		Done	07/11/2006



Florida Department of Environmental Protection - Enterprise Applications

Query Print Edit Print Exit CPA Window

ORACLE

Collection Point Log Remittance

Remittance ID: 878379 Type: CU Received Date: 04/27/2006 Status: RECEIVED

System Receipt: 541181 PNR: Check #: 1832502 Amount: 250.00

RSN/EID: PBS&J

First: Middle: Last: Suffix:

Address1: 5300 WEST CYPRESS ST

Address2: SUITE 200

City: TAMPA ST: FL Zip: 33607

Country: Short Comments: SO 130542-003

Logged Total: \$250.00

Distribution - District

PAYMENT(S)

Payment ID	CL Area	Code/Description	Payment Amount	Reference	Appl Unit	Appl Date
74000	SWD	000000				

COMMIT FREQUENTLY \$250.00 Payment Total

Please click TABs to Access Collection Point or enter FPA

start

Florida Department of Environmental Protection - Enterprise Applications

Permits Events Payment (DOT/PA Data Entry Site) Search ME Party Application List Help Exit Window

ORACLE

Site Permit

Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I(LF) Site #: 0130542

County: SARASOTA

Permit #: 003 Project #: 003 Received: 04/26/2006

Permit only: SWD (DISTRICT) Agency Action: Pending

Project Name: LEACHATE FORCE MAIN MOD Desc:

Type/Sub Desc: SO MM MINOR MODIFICATION

Logged: 05/01/2006

Fee: 250.00 Fee Paid: 250.00

Related Party

Role: APPLICANT Begin: 05/01/2006

Name: COGGINS, FRANK Company: SARASOTA COUNTY

Address: 4000 KNIGHTS TRAIL ROAD

City: WOKOMIS State: FL Zip: 34275 Country: U.S.A.

Phone: 941-881-1570

Processor: PELZ, S

Process Date: 05/01/2006

Permitting Application - Permit Detail and Log Permit

### SITE Permit

Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1) Site #: 0130542

County: SARASOTA Comments: ☒ RPAs: ☐ # Cases: 0

### Project

Permit #: 0130542-002-SO Project #: 002 Received: 03/01/2002 CRA #: 115109

Permit Office: SWD (DISTRICT) Agency Action: Issued

Project Name: CCSWDDC-LF OPS RENEWAL Desc:

Type/Sub/Des: SO / 01 SANI LANDFILL CLASS I COE #:

Logged: 03/04/2002 Issued: 07/20/2005 Expires: 07/20/2010 OGC: ☐

Fee: 10000.00 Fee Recd: 10000.00 Del: Override: NONE

### Related Party

Role: APPLICANT Begin: 03/04/2002 End:

Name: BENNETT, GARY Company: SARASOTA COUNTY SOLID WASTE OPERATIONS

Address: 1000 KNIGHTS TRAIL ROAD

City: NOKOMIS State: FL Zip: 34275 Country: U.S.A.

Phone: 941-466-2600 Fax: Email:

### Processors

Processor: PELZ S ☒ Active: 04/20/2004 Inactive: Events:

Permitting Application - Events

### Events Scheduled

Site #: 0130542 Site Name: SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)

Permit #: 0130542-002-SO Type/Subtype: SO / 01 Received: 03/01/2002

Project #: 002 Project Name: CCSWDDC-LF OPS RENEWAL

> Receive Request: Done

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	03/01/2002	1	03/02/2002		Done	03/01/2002
Fee Verification	03/01/2002	2	03/03/2002		Sufficient Fee	03/04/2002
Completeness Review	03/01/2002	30	03/31/2002		Incomplete	03/29/2002
RESET CLOCK	03/29/2002	1	03/30/2002		Done	03/29/2002
Awaiting Additional Information	03/29/2002	92	06/29/2002		Received	06/28/2002
Completeness Review	06/28/2002	30	07/28/2002		Incomplete	07/24/2002
RESET CLOCK	07/24/2002	1	07/25/2002		Done	07/24/2002
Awaiting Additional Information	07/24/2002	45	09/07/2002		Received	09/20/2002
Completeness Review	09/20/2002	30	10/20/2002		Incomplete	10/16/2002
RESET CLOCK	10/16/2002	1	10/17/2002		Done	10/16/2002
Awaiting Additional Information	10/16/2002	45	11/30/2002		Received	06/01/2005
Completeness Review	06/01/2005	30	07/01/2005		Complete	06/01/2005
Determine Agency Action	06/01/2005	90	08/30/2005		Issue	07/20/2005
Issue Final Permit	07/20/2005	14	08/03/2005		Issued	07/20/2005
ISSUE PERMIT	07/20/2005	1	07/21/2005		Issued	07/20/2005
STOP CLOCK	07/20/2005	1	07/21/2005		Done	07/20/2005

Comments

Comments Site # 0130542 Project # 002

Information received 4/1/04 was partial submittal. Applicant requested that review be suspended pending submittal of additional information (see email 4/12/04).  
Revised figure received 9/2/04. Additional information concerning MW-8A received 11/18/04.  
Fullsized drawings (signed & sealed) rec'd 2/10/05.

### Collection Point Log Remittance

AREA **SWD**

Tot **CRAF006A**  
**\$10,000.00**

Remittance **462490** Type \* **CP** Recvd Date \* **03/01/2002** Status **RECEIVED**  
 SYSRCPT **376422** PNR  Check # \* **00793477** Amount \* **10,000.00**  
 SSN/FEI#  Name \* **SARASOTA CO BD CO COMM**  
 First  Middle  Title  Sur   
 Address1 **SOLID WASTE OPERATIONS** Short Comments   
 Address2 **4000 KNIGHTS TRAIL ROAD** **S-SW 130542-002**  
 City **NOKOMIS** ST **FL** Zip **34275** Country

### PAYMENT(S)

Payment#	Distr CL Area	Object Code/Description	Payment Amount	Reference#	Applic/ Fund *	status
<b>493165</b>	<b>SWD</b>	<b>002245 SOLID WASTE-OPE</b>	<b>\$10,000.00</b>		<b>PA PFTF</b>	<b>COMPLETE</b>

COMMIT FREQUENTLY

**\$10,000.00** Payment total



## SITE Permit

Site Name SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1)

Site # 0130542

County SARASOTA

Comments N

RPAs N

#Cases 0

## Project

Permit # - -

Project # 002

Received 03/01/2002

CRA# 115189

Permit Office SWD (DISTRICT)

Agency Action Pending

Project Name CCSWDDC-LF OPS RENEWAL

Desc

Type/Sub/Des SO /01 SANI LANDFILL CLASS I

COE #

Logged 03/01/2002

Issued

Expires

OGC

Fee 10000.00

Fee Recd

10000.00

Dele

Override

NONE

## Related Party

Role APPLICANT

Begin 03/04/2002

End

Name BENNETT, GARY

Company SARASOTA COUNTY SOLID WASTE OPERATIONS

Addr 4000 KNIGHTS TRAIL ROAD

City NOKOMIS

State FL

Zip 34275

Country U.S.A.

Phone 941-486-2500

Fax

## Processors

Processor FORD\_K

V

Active 03/04/2002

Inactive

Events



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Shopping

# MAPQUEST

MAPS

DRIVING DIRECTIONS

ROAD TRIP PLANNER

YELLOW PAGES

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- Airport
- Zip Code
- City
- Area Code
- Lat / Long
- Road Atlas Key
- Saved Maps

Yellow Pages

Search Nokomis for:

Auto repair

Search

Location:

4000 Knights Trail Rd  
Nokomis, FL  
34275-3610, US

Map a New Location

Get Directions To This Location

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SAVE MAP

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Road Trip?

66

MAPQUEST

681

WEST

EAST

0 1mi 1km

Knights Trail Rd

Fox Creek

Knights Trail Park

Shakett Creek

Laurel Rd E

35a

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ZOOM IN

ZOOM OUT

BIG MAP

CLICKING ON MAP WILL:

Zoom In

Re-center

Move Location

ADDITIONAL MAP FEATURES:

Customize Map

Add A Location

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NAVTECH ON BOARD

Map Legend

Show Nearby Businesses

Select a category from the list below. When the map updates, click an icon

# SARASOTA CENTRAL MONITORING LOCATIONS

B-2

B-4R

MW-1

MW-4

SARASOTA CO CENTRAL (130542)  
COUNTY COMPLEX CLASS I LF (LF1)

MW-12

MW-11

FOOD COMPOSTING FACILITY (200819)

MW-10

MW-2

MW-9

MW-8

SARASOTA CO. CENTRAL (126775)  
SOLID WASTE COMPLEX WTPF (WTP)

MW-3

SARASOTA CENTRAL CO. MRF (134912)

MW-5

- ▲ WACS Test Sites
- WACS Facilities
- COMET Facilities

Field Verified 9/11/02

1000 Feet

Map Created 4/3/03





# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

April 18, 2007

CERTIFIED MAIL 7004 1350 0002 5570 7406  
RETURN RECEIPT REQUESTED

## NOTICE OF PERMIT MODIFICATION

### **PERMITTEE:**

Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, FL 34275  
Attention: Mr. Frank Coggins, Operations Manager

**Re: Modification #130542-004 to Existing Permit #130542-002-SO/01  
Central County Solid Waste Disposal Complex, Class I Landfill  
Sarasota County**

Dear Mr. Coggins:

Attached is modification #**130542-004** to Permit #**130542-002-SO/01**, issued pursuant to Section 403.087(1), Florida Statutes (F.S.). This modification is for:

<u>Specific Condition No.</u>	<u>Content</u>
Cover page (Amended)	References permit modification #130542-004.
A.2.g. (New)	References the application for permit minor modification and supporting information received Aug. 22, 2006 and Feb. 26, 2007.
E.3., E.4.b., E.4.c., and E.5.a. (Amended)	Reference new background well MW-1R
E.9.b., E.9.c., and F.3. (Amended)	Reference revised Figure L-1 used as a permit attachment

This letter must be attached to your permit and becomes a part of the permit. This letter and its attachments constitute a complete permit and replace all previous permits and permit modifications for the above referenced facility.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts, which the petitioner contends, warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

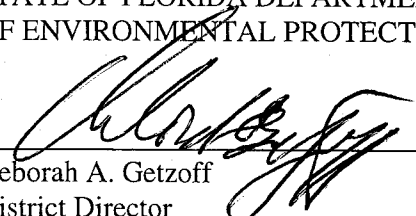
PERMITEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Operations Manager  
Sarasota Central Solid Waste Disposal Complex, Class I Landfill

PERMIT #: 130542-002-SO/01  
MODIFICATION #: 130542-004  
Page 3 of 3

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
District Director  
Southwest District

DAG/jrm

Attachment

Copies furnished to:

Sarasota County Board of County Commissioners, Nora Patterson, Chairperson,  
1660 Ringling Blvd., Sarasota, Florida 34236  
Sarasota County Notification List  
Paul Wingler, P.E., Sarasota County Solid Waste Operations  
Don Shaulis, Sarasota County Solid Waste Operations  
Joseph L. Miller, P.E., PBS&J, 482 South Keller Road, Orlando, FL 32810  
Patricia Comer, FDEP OGC Tallahassee, MS 35  
Richard Tedder, P.E., FDEP Tallahassee, MS 4565  
William Kutash, P.G., Program Administrator, FDEP Southwest District  
Permit Notebook

#### CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on April 18, 2007 to the listed persons.

FILING AND ACKNOWLEDGMENT FILED,  
on this date, pursuant to Section 120.52(10), F.S.,  
with the designated Department, Clerk, receipt of  
which is hereby acknowledged.

Anna Blad      4/18/2007  
Clerk                      Date



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

## PERMITTEE

Sarasota County  
Solid Waste Operations  
Mr. Frank Coggins, Manager  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.b, Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.b., Sheet 3]

Replaces permit #S058-299180  
Includes modification #130542-003-SO/MM, dated 07/11/2006.  
Includes modification #130542-004-SO/MM, dated 04/18/2007.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.



**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.



**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - (a) Determination of Best Available Control Technology (BACT)
  - (b) Determination of Prevention of Significant Deterioration (PSD)
  - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
  - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
  - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - (c) Records of monitoring information shall include:
    1. the date, exact place, and time of sampling or measurements;
    2. the person responsible for performing the sampling or measurements;
    3. the dates analyses were performed;
    4. the person responsible for performing the analyses;
    5. the analytical techniques or methods used;
    6. the results of such analyses.

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**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) *Operations Plan* (Section L);
- 2) *Groundwater Monitoring Plan Addendum* (Section M);
- 3) *Stormwater berm sideslope stability information* (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005;

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into *Operations Plan* [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document-except as noted), including:

- 1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),
- 2) Application form dated April 26, 2006 (received May 30, 2006),
- 3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;
- 4) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,
  - b) revised Leachate Water Balance Form received May 30, 2006,
  - c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.
- 5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

New 07/11/2006.

g. Information concerning modification of the approved monitoring plan regarding the installation of a new background well (inserted into Operation Permit Renewal Application (3-ring bound document) [ref. SC#A.2.a.], including:

- 1) Application form pages 3 through 8 and page 40, signed/sealed August 2, 2006 (received August 22, 2006) and revised pages 4, 6, 32 and 33 dated February 22, 2007 (received February 26, 2007),
- 2) Section 4 (Ground Water Sampling and Parameters) of the *Ground Water Monitoring Plan Addendum* [ref. SC#A.2.a.(2)], dated February 22, 2007 (received February 26, 2007).

New 04/18/2007.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**4. Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.

**5. Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

**6. General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

**7. Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

**8. Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

**9. Prohibitions.**

a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.

b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

- a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
- b. This permit authorizes the construction of the Citizen Convenience Center [ref. SC#A.2.e].
- c. Leachate force main and pump station.
  - 1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.
  - 2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

New 07/11/2006.

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

- a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:
  - 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
  - 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.
  - 3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

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**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

h. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.

3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.

i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.

j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.

k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b., below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

**2. Operating Personnel.**

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.2., cont'd)

b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.

c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

3. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.

4. **Monitoring of Waste.**

a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.

b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the *Operation Plan*, §L.7.k. [ref. SC#A.2.a(1)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded.

**Repair within 7 days of detection; or**

2) Waste or liner is exposed. Repair **within 48 hours of detection**, or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection**.

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

- c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.
8. **Leachate Management.**
- a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.
  - b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.
  - c. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.
    - 1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The final report shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.
    - 2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

- 3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.
- 4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.
- 5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
- 6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.
- 7) Leachate tank inspections.
  - a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.
  - b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref.SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.  
Amended 07/11/2006.

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.  
New 07/11/2006.

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.

c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.

d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.

f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.

g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.

h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

**10. Waste Handling Requirements.** All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area

- a) is adequately covered with a tarp or rain cell cover; OR
- b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND
- c) has no evidence of leachate seepage, AND
- d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].

4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see *Operation Plan*, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the *Operation Plan*. Slopes shall be maintained in accordance with the *Operations Drawings*. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f.].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with *Operations Drawings* [ref. SC#A.2.b.], and as described in the *Operation Plan* [ref. SC#A.2.a(1)], or as otherwise approved in writing by the Department.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved Operation Plan [ref. SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The Operation Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough ~~(struckthrough)~~ and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.
- 2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

- 5) Operator and spotter training certificates and other documentation;
- 6) Log of odor complaints and corrective action; and
- 7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.
- 8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved ***Operations Drawings***.

3. **Waste Records.**

- a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.
- b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.



**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Amended 07/11/2006.

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than ninety (90) days prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**3. Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)], including revised Section 4 [ref. SC#A.2.g(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), are described as follows:

<u>Well #</u>	<u>WACS Testsite ID #</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1R *	20585	Surficial	Background	See Figure L-1
MW-8A	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R	20588	Surficial	Detection	↓
MW-12R	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 30 days of permit modification #130542-004 issuance** in accordance with the construction details provided in Table 4-1 of the Groundwater Monitoring Plan Addendum, revised February 22, 2007; documentation of well construction details as indicated in Specific Condition #E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition #E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 30 days of permit modification #130542-004 issuance**; documentation of well abandonment as indicated in Specific Condition #E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition #E.5.d., shall be submitted **within 30 days of installation** of proposed well MW-1R.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.

**Amended 04/18/2007.**

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**4. Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition #E.3., for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

b. An initial sampling event at well MW-1R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix II</b>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

**Amended 04/18/2007.**

c. The background well (MW-1R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix I</b>	

**Amended 04/18/2007.**

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

a. Prior to construction of all new or replacement wells (excluding well MW-1R) the permittee shall request and receive Department approval of a minor permit modification.

**Amended 04/18/2007.**

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form #62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition #E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

8. **Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (**attached**):

<u>Leachate Sample ID #</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID #</u>
C-1	Cell #1	20580
C-2	Cell #2	20581
C-3	Cell #3	20582
C-4	Cell #4	20583
C-5	Cell #5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref. SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

a. **Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific conductivity	Total ammonia - N	Calcium
pH	Bicarbonate	Iron
Dissolved oxygen	Carbonate	Magnesium
Colors & sheens	Chlorides	Mercury
(by observation)	Nitrate	Potassium
	Sulfate	Sodium
	Total dissolved solids (TDS)	

b. **Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition #E.8.a., plus the parameters listed in 40 CFR Part 258, **Appendix II.**

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition #E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition #E.4.b., #E.4.c., and #E.9.d.

**Amended 04/18/2007.**

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by PBS&J, received February 26, 2007 (**attached**), as follows:

Surface Water ID #	WACS Testsite ID #	Location
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

**Amended 04/18/2007.**

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

Field parameters	Laboratory parameters	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens (by observation)	Iron	Total organic carbon (TOC)
Surface water elevation	Magnesium	Total dissolved solids (TDS)
	Mercury	Total suspended solids (TSS)
	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, Appendix I

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions #E.8.a., and #E.8.b.), surface water samples (Specific Condition #E.9.d.) and ground water samples (Specific Condition #E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.

**11. Monitoring Plan Evaluation.** By **February 1, 2007 and no later than August 1, 2009**, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
Amended 07/11/2006.



**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report; as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**3. Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by PBS&J, received February 26, 2007 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.

**Amended 04/18/2007.**

**4. Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

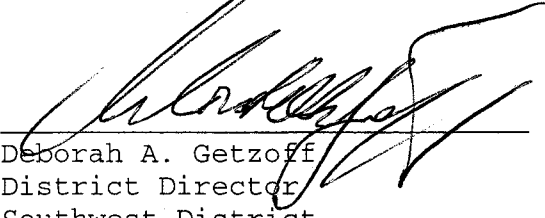
1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.**
  - a. There are no currently closed areas of the Class I landfill.
  - b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Frank Coggins, Manager

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
\_\_\_\_\_  
Deborah A. Getzoff  
District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2)	Quarterly, by January 15 <sup>th</sup>	Submit leachate generation reports
F.2.c.	April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit gas monitoring results
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 30 days of modification #130542-004 issuance	Install well MW-1R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW P  
UPSTREAM  
MONITORING

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75



**PBS**

SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELLS  
GAS MONITORING PROBES (GP) AND AMBIENT MONITORING  
FEBRUARY 2003

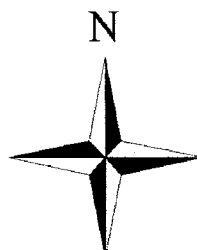
EN SLOUGH,  
SURFACE WATER  
G LOCATION



**SARASOTA COUNTY CENTRAL  
SOLID WASTE DISPOSAL  
COMPLEX**



Natural Resources  
Aerial Date: 03/01



**LEGEND:**

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- AMBIENT GAS MONITORING LOCATIONS (6) -
  - GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD
  - GM-2 C&D PROCESSING AREA
  - GM-3 COUNTY MAINTENANCE BUILDING
  - GM-4 ADMINISTRATION BUILDING
  - GM-5 SCALE HOUSE
  - GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6) - MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

Map Version: 02/03/03

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

SARASOTA COUNTY  
SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
MONITORING GAS MONITORING LOCATIONS (GM)  
2007

**FIGURE L-1  
REVISED**



G:\PROJECT\Sarasota\09201010.01\cells.dwg Aug 16, 2002 - 5:44pm Layout Name: Layout1 By: 2190keg

**C-1**  
**LEGEND**  
**LOCATION OF LEACHATE PUMP VALVE BOX**

**NOTE:**  
SOURCE: MODIFIED FROM CDM,  
1996 OPERATION PERMIT APPLICATION  
SHEET NO. 1. DECEMBER 1996.

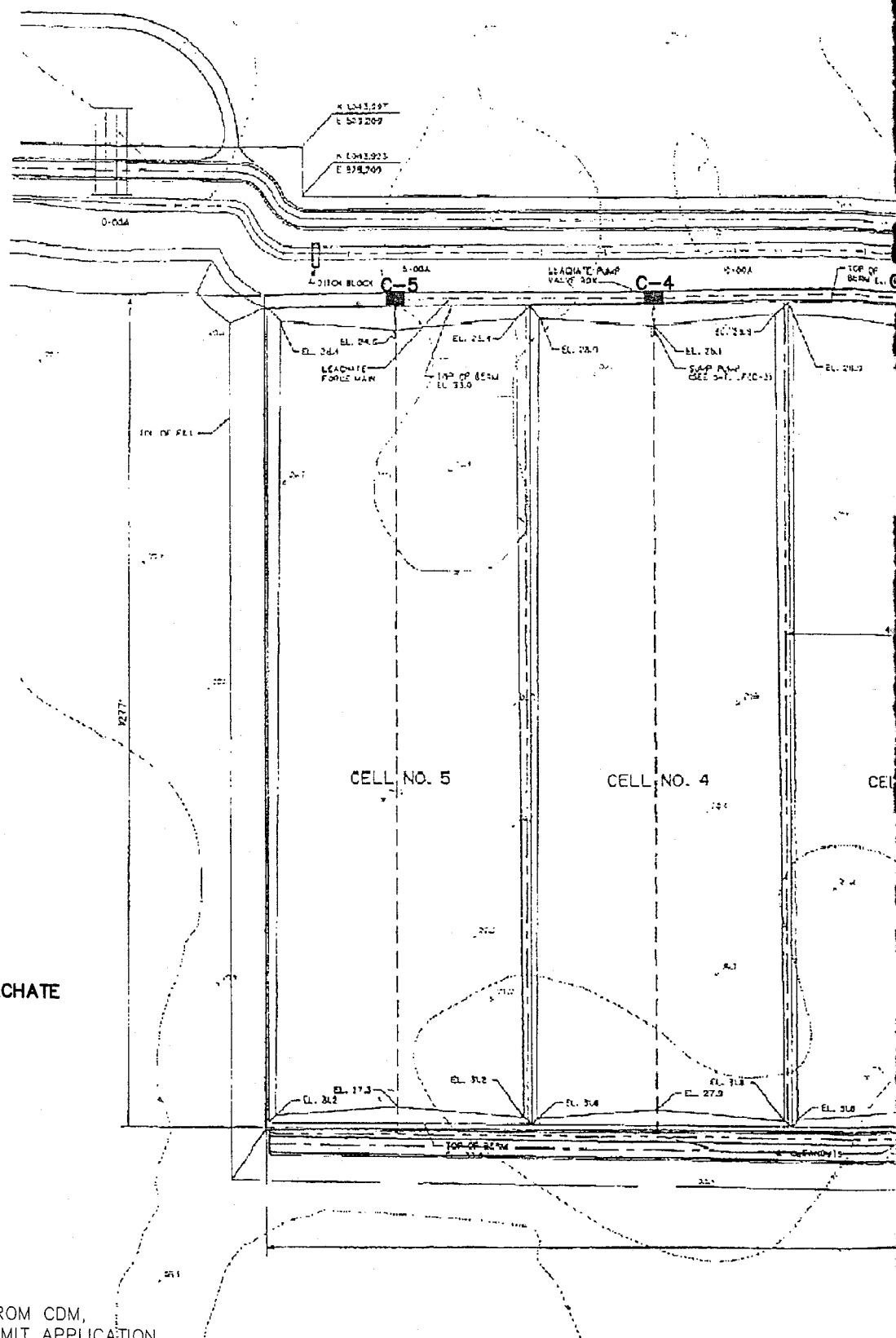
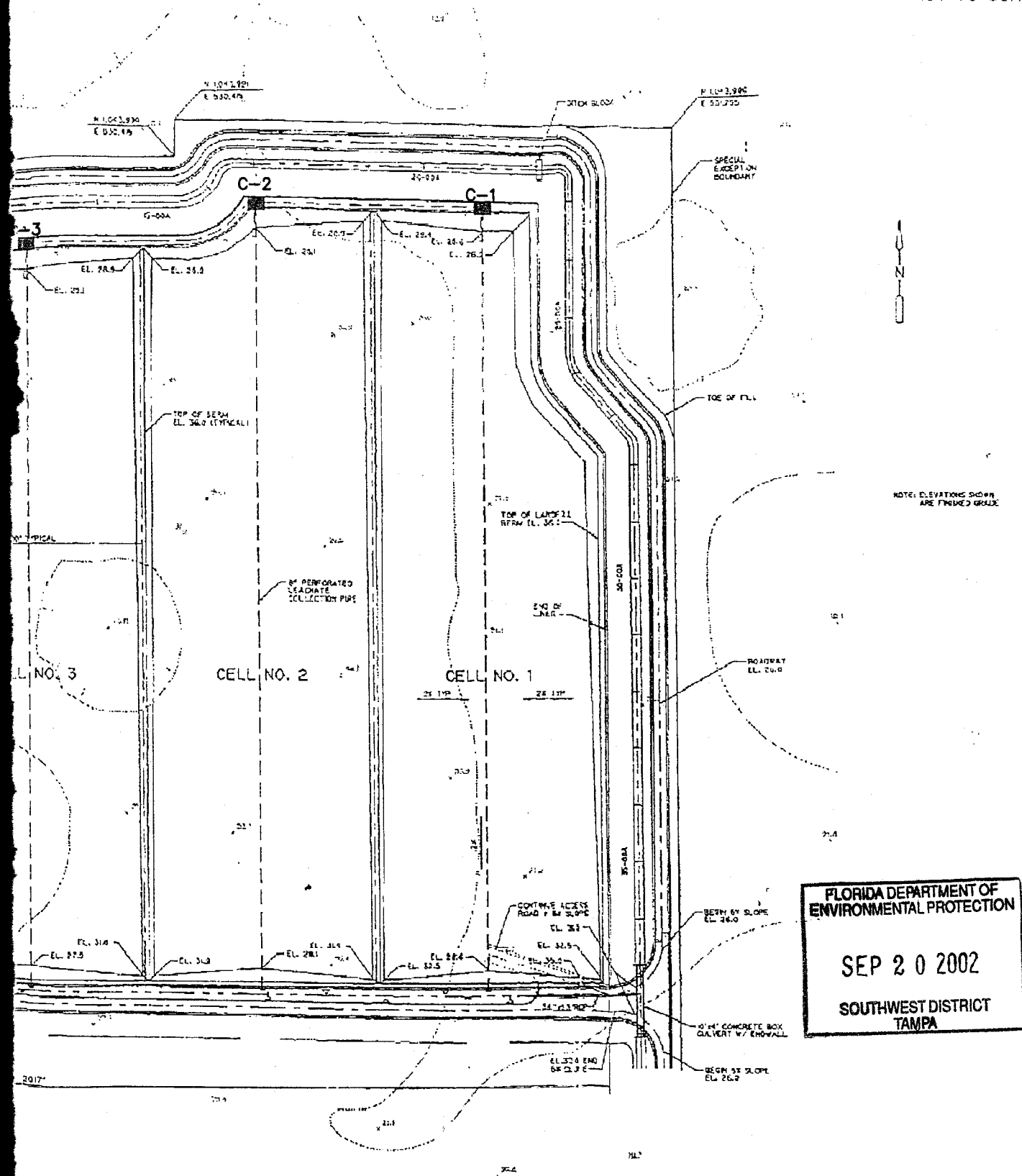


Figure L-1A. Site Plan Showing Leachate Pump

NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

SEP 20 2002

SOUTHWEST DISTRICT  
TAMPA

SCS ENGINEERS

Valve Boxes, Central County Solid Waste Disposal Complex, Sarasota County, Florida.

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

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

## MONITOR WELL COMPLETION REPORT

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

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ DEPTH OF SCREEN: \_\_\_\_\_ (bls)

(bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_  
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab      Comp QAP # /HRS Certification # \_\_\_\_\_

                                 \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: \_\_\_\_\_

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
(year/quarter)

Well Name: \_\_\_\_\_ Well Purged (Y/N): \_\_\_\_\_

Classification of Ground Water: \_\_\_\_\_

Well Type: ( ) Background

( ) Intermediate

Ground Water Elevation (NGVD): \_\_\_\_\_

( ) Compliance

( ) Other

or (MSL): \_\_\_\_\_

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

\* Attach Laboratory Reports

# Memorandum

# Florida Department of Environmental Protection

## PERMIT COVER MEMO

TO: Deborah A. Getzoff, District Director

FROM/THROUGH:

*WV* William Kutash, Environmental Administrator

*4/17* Susan Pelz, Section Supervisor

*John 4/16/07* John Morris, Professional Geologist

DATE: April 16, 2007

FILE NAME: Central County Solid Waste Disposal Complex Operating Permit, Minor Modification

PERMIT No.: 130542-002-SO

PROGRAM: Solid Waste

COUNTY: Sarasota

TYPE OF PERMIT ACTION: ISSUE

PUBLIC NOTICE PERIOD CLOSED? NA PETITION FILED? NA

PROFESSIONAL RECOMMENDATION: X Approve      Deny

**PERMIT SUMMARY:** This represents modification #130542-004 to the operating permit for the Sarasota Central Class I Landfill to authorize proposed changes to the monitoring plan for the facility. The locations selected for the previously proposed replacement background monitor wells for the facility were located in areas subject to flooding conditions during the wet season. The alternate location for a single background well for the facility was recommended by the County's consultant following a site visit conducted during the 2006 wet season to observe accessibility for the drill rig and sampling personnel. The proposed alternate background well location appears to be appropriately located to represent background water quality in the surficial aquifer that is unaffected by the facility.

**EVALUATION SUMMARY:** The request for minor modification of the operating permit was deemed to be complete on February 26, 2007.

As of April 16, 2007: TIH -- 237 days; TTP -- 78 days

	Date	TTP
Supporting information for minor permit modification received	8-22-06	
RAI #1 sent	9-18-06	28
Responses to RAI #1 rec'd	2-26-07	
Application complete	2-26-07	
Completeness letter sent	3-23-07	26
Amended permit routed for signatures	4-16-07	24

**Day 90 is May 27, 2007**



# Florida Department of Environmental Protection

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

*Op permit*

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

April 27, 2007

Mr. Paul Wingler  
Sarasota County  
4000 Knights Trail Road  
Nokomis, FL 34275

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
APR - 7 2007  
SOUTHWEST DISTRICT  
TAMPA

Dear Mr. Wingler:

Your Application for Registration of a Yard Trash Processing Facility for Central County Solid Waste Disposal Complex (located at 4000 Knights Trail Road, Nokomis) in Sarasota County is complete. Your facility identification number is 017-01-YT. This registration is valid until **May 1, 2008**. The receipt number for the registration fee you paid is 582255.

You must comply with the requirements specified in Rule 62-709.320, Florida Administrative Code (F.A.C.), in order to maintain qualification for the registration program. A summary of the operating requirements is enclosed.

If you need further information, please contact me at the above address, Mail Station 4565, telephone 850/245-8747, or email [Francine.Joyal@dep.state.fl.us](mailto:Francine.Joyal@dep.state.fl.us).

Sincerely,

Francine Joyal  
Environmental Specialist

Enclosure

cc: Susan Pelz, Southwest District

2/27/06  
in office

**Southwest District  
Permitting Application**

New Site

Site Name:		
Site ID:		
County:		
Type/Subcode:		
Fee submitted:	( ) correct	( ) incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Existing Site

Site ID: 130542 - C. 1. 19		
Project Name: SARASOTA CENTRAL LANDFILL		
Type/Subcode: SC/ MM		
Fee submitted: \$ 250.00	(✓) correct	( ) incorrect
Total Fee Required \$ 250.00 Need \$ 0 Refund \$ 0		

**Applicant Information**

Name: FRANK COBBINS	
Role: APPLICANT	
Company: SARASOTA COUNTY SOLID WASTE OPERATIONS	
Address: 4000 KNIGHTS TRAIL RD.	
City: NOROMIS, FL	Zip Code: 34275
Phone: 941-861-5000	

Fee verified by: JR MORRIS

Application Assigned To: JR MORRIS Date: 8/23/06



Florida Department of Environmental Protection - Enterprise Applications

Query Coll Rpts Rfnd Exit CRA Window

ORACLE

Cash Receiving Application - Collection Point Log Remittance

CL AREA SWD

Logged Total CRA006A \$250.00

**Collection Point Log Remittance**

Remittance ID 691468 Type \* CP Received Date \* 08/22/2006 Status RECEIVED

System Receipt 554147 PNR Check # \* 00903594 Amount \* 250.00

SSNFEID Name \* SARASOTA COUNTY BOCC

First Middle Title Suffix

Address1 4000 KNIGHTS TRAIL ROAD

Address2

City NOKOMIS ST FL Zip 34275

Country Short Comments SO 130542-004

**PAYMENT(S)**

Payment ID	Distribution CL Area	Object Code/Description	Payment Amount	Reference#	Appl	Fund *	Status

COMMIT FREQUENTLY \$250.00 Payment Total

Press <TAB> to accept Collection Point or enter F&A

start

Florida Department of Environmental Protection - Enterprise Applications

Permits Events Payment ERESTA PA Data Entry Site Facility ME Party Affiliation Lct Help Exit WI

ORACLE

Permitting Application - Permit Detail and Log Permit

**SITE Permit**

Site Name SARASOTA CO CENTRAL COUNTY COMPLEX CLASS I LF (LF1) Site # 0130542

County SARASOTA Comments N RPAs N # Cases 0

**Project**

Permit # Project # 004 Received 08/22/2006 CRA # 262602

Permit Office SWD (DISTRICT) Agency Action Pending

Project Name SARASOTA CENTRAL LANDFILL Desc

Type/Sub/Des SO / MM MINOR MODIFICATION COE #

Logged 08/23/2006 Issued Expires OGC

Fee 250.00 Fee Recd 250.00 Dele Override NONE

**Related Party**

Role APPLICANT Begin 08/23/2006 End

Name COGGINS, FRANKLIN Company SARASOTA COUNTY SOLID WASTE OPERATIONS

Address 4000 KNIGHTS TRAIL RD

City NOKOMIS State FL Zip 34275 - 3610 Country

Phone 941-861-5000 Fax 941-486-2620 Email

**Processors**

Processor MORRIS\_JR Active 08/23/2006 Inactive Events

Enter 'Y' if this is the PRIMARY processor.

start



DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW PEN  
UPSTREAM S  
MONITORING

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION

BORROW PIT 1  
(LAKE)

POND NO. 1

LIMIT OF SOLID  
WASTE APRIL 2003

PHASE II

PHASE I

MW-12R

MW-12R

GP-1

MW-11R

MW-11

CELL 5

CELL 4

CELL 3

CELL 2

CELL 1

MW-8

MW-10R

MW-9

MW-8A

WHITE GOODS  
STOCKPILE

GP-7

GM-2

YARD WASTE  
COMPOST AREA

PHASE III

PHASE IV

ACCESS ROAD  
(TYP)

COUNTY  
MAINTENANCE  
BUILDING

CONTRACTOR  
MAINTENANCE  
BUILDING

SCALE  
FACILITIES

FUTURE  
YARD WASTE  
COMPOST AREA

CURBSIDE USED OIL  
COLLECTION SITE

ADMINISTRATION  
BUILDING

GM-5

GM-4

POND NO. 3

POND NO. 4

POND NO. 5

POND NO. 6

LEACHATE  
STORAGE  
FACILITY

GM-7

GM-3

GM-1

GM-2

GM-3

GM-1

GM-2

GM-3

GM-1

GM-2

GM-3

GM-1

GM-2

GM-3

GM-1

GM-2

GM-3

GM-1

GM-2

GM-3

GM-1

LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75

500 0 500 1000 1500 2000 2500 3000 3500 4000

**PBS & J**

SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELLS  
GAS MONITORING PROBES (GP) AND AMBIENT AIR MONITORING  
FEBRUARY 2003



EN SLOUGH,  
SURFACE WATER  
G LOCATION



# SARASOTA COUNTY CENTRAL SOLID WASTE DISPOSAL COMPLEX



Natural Resources  
Aerial Date: 03/01



## LEGEND:

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- AMBIENT GAS MONITORING LOCATIONS (6) -  
GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD  
GM-2 C&D PROCESSING AREA  
GM-3 COUNTY MAINTENANCE BUILDING  
GM-4 ADMINISTRATION BUILDING  
GM-5 SCALE HOUSE  
GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6)  
MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

Map Version: 02/03/03

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

SARASOTA COUNTY  
SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
AMBIENT GAS MONITORING LOCATIONS (GM)  
2007

FIGURE L-1  
REVISED

G:\PROJECT\Sarasota\09201010.01\cells.dwg Aug 16, 2002 - 5:44pm Layout Name: Layout1 By: 2190keq

**C-1**  
**LEGEND**  
LOCATION OF LEACHATE  
PUMP VALVE BOX

**NOTE:**  
SOURCE: MODIFIED FROM CDM,  
1996 OPERATION PERMIT APPLICATION  
SHEET NO. 1. DECEMBER 1996.

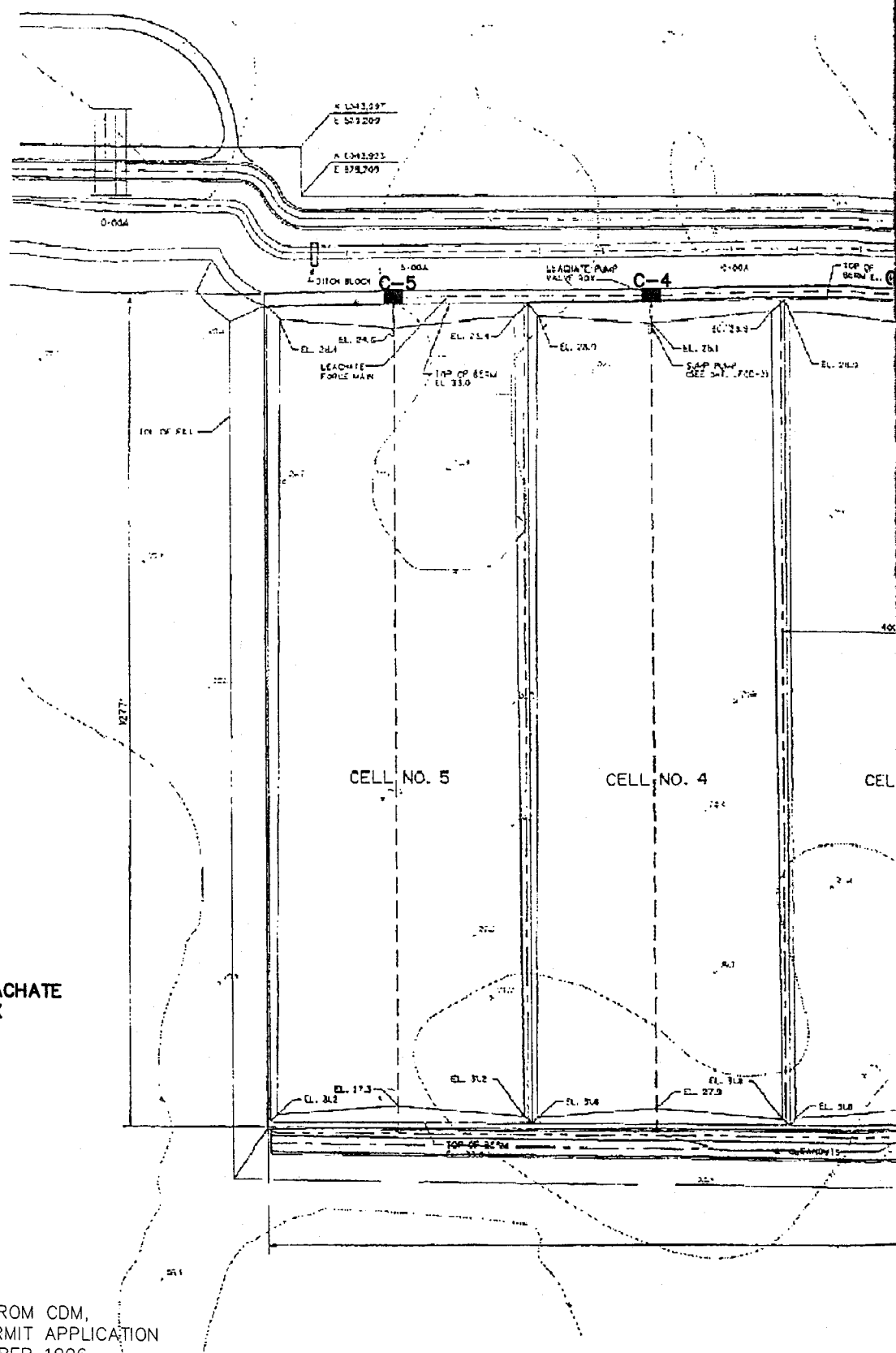


Figure L-1A. Site Plan Showing Leachate Pump



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

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

## MONITOR WELL COMPLETION REPORT

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

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface



Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab              Comp QAP # /HRS Certification # \_\_\_\_\_

                                    \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: \_\_\_\_\_

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
(year/quarter)

Well Name: \_\_\_\_\_ Well Purged (Y/N): \_\_\_\_\_

**Classification of Ground Water:**

Well Type: ( ) Background

( ) Intermediate

Ground Water Elevation (NGVD): \_\_\_\_\_

( ) Compliance

( ) Other

or (MSL): \_\_\_\_\_

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

\* Attach Laboratory Reports





# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

CERTIFIED MAIL 7004 0750 0003 0516 4813  
RETURN RECEIPT REQUESTED

July 11, 2006

## NOTICE OF PERMIT

Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Manager  
4000 Knights Trail Road  
Nokomis, Fl. 34275

REPLACED BY MOD  
# 130542-004  
ISSUED 4/12/07

RE: Sarasota Central County Solid Waste Disposal Complex (SCCSWDC)  
Class I Landfill, Leachate forcemain & pump station  
Modification #130542-003-SO/MM to existing  
Operation Permit Number 130542-002-SO/01, Sarasota County

Dear Mr. Bennett:

Attached is modified **Operation Permit 130542-002-SO/01**, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 130542-003-SO/MM:

### SPECIFIC CONDITIONS

	FROM	TO	TYPE OF MODIFICATION
A.2.f.	N/A	New	New permit documentation for leachate forcemain & pump station
B.1.c.	N/A	New	Authorizes construction of leachate forcemain & pump station at SCCSWDC site
C.8.f.	Existing	Amended	Clarifies that primary leachate disposal will be piped to City of Venice WWTP
C.8.h.	N/A	New	Clarifies that leaks from forcemain piping & pumps shall not be discharged to the environment
D.1., D.2.c., D.4.a., E.10, E.11	Existing	Amended	New SWD office address

"More Protection, Less Process"

Printed on recycled paper.

This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;

(e) A statement of the ultimate facts alleged, including a statement of the specific facts, which the petitioner contends, warrant reversal or modification of the Department's action or proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

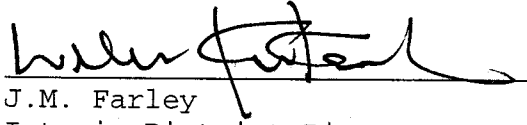
Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

PERMITTEE: Sarasota County Solid Waste Operations  
Central County SW Disposal Complex  
Mr. Gary Bennett, General Mgr.

Map #: 130542-003-SO/MM to  
Permit #: 130542-001-SO/01  
Page 4

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
for J.M. Farley  
Interim District Director  
Southwest District

JMF/sjp

Enclosures

cc: Sarasota County Officials/Notification List  
Frank Coggins, Landfill Manager, Sarasota County, 4000 Knights Trail Road,  
Nokomis, Fl. 34275  
C. P. Pete Putman, P.E., PBSJ, 2803 Fruitville Rd, Ste. 130, Sarasota,  
Fl. 34237-5367  
Richard Tedder, P.E., FDEP Tallahassee  
Pat Comer, OGC Tallahassee  
Fred Wick, P.E., FDEP Tallahassee  
Jeff Greenwell, P.E., FDEP Tampa, Water Facilities  
CeCe McKiernan/Terry Cartwright, FDEP Tampa, WaRM  
(Permit Notebook) FDEP Tampa

**CERTIFICATE OF SERVICE**

This undersigned duly designated deputy clerk hereby certifies  
that this **NOTICE OF PERMIT** and all copies were mailed before the close  
of business on July 11, 2006 to the listed persons.  
(date stamp)

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant  
to Section 120.52(10), Florida  
Statutes, with the designated  
Department, Clerk, receipt of  
which is hereby acknowledged.

Apurba Lal                      7/11/2006  
Clerk                                      Date



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

## PERMITTEE

Sarasota County  
Solid Waste Operations  
Mr. Gary Bennett, General Mgr  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.b, Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.b., Sheet 3]

Includes Modification #130542-003-SO/MM, dated 07/11/2006.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

"More Protection, Less Process"

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

(a) Have access to and copy any records that must be kept under conditions of the permit;

(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

(a) A description of and cause of noncompliance; and

(b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
  - 1. the date, exact place, and time of sampling or measurements;
  - 2. the person responsible for performing the sampling or measurements;
  - 3. the dates analyses were performed;
  - 4. the person responsible for performing the analyses;
  - 5. the analytical techniques or methods used;
  - 6. the results of such analyses.



PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Mgr.

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) Operations Plan (Section L);
- 2) Groundwater Monitoring Plan Addendum (Section M);
- 3) Stormwater berm sideslope stability information (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005;

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into Operations Plan [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document-except as noted), including:

- 1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),
- 2) Application form dated April 26, 2006 (received May 30, 2006),
- 3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;
- 4) The following operational information (inserted into document listed in SC#A.2.a(1)):
  - a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,
  - b) revised Leachate Water Balance Form received May 30, 2006,
  - c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.
- 5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

**New 07/11/2006.**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

4. **Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.
5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.
8. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.
9. **Prohibitions.**
  - a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.
  - b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.9., cont'd)

c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

- a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.
- b. This permit authorizes the construction of the Citizen Convenience Center [ref.SC#A.2.e].
- c. Leachate force main and pump station.
  - 1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.
  - 2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

**New 07/11/2006.**

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

- a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:
  - 1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.
  - 2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.
  - 3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

- 4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

**h. Site Inspections.**

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.

3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.

i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.

j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.

k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b. below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.

**2. Operating Personnel.**

a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.2., cont'd)

- b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.
  - c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.
3. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.
4. **Monitoring of Waste.**
  - a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.
  - b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the *Operation Plan*, §L.7.k. [ref.SC#A.2.a(1)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded. **Repair within 7 days of detection; or**

2) Waste or liner is exposed. **Repair within 48 hours of detection**, or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection**.

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.

**8. Leachate Management.**

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.

b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.

c. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.

1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a *final report* summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The *final report* shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

- 3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.
- 4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.
- 5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.
- 6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.
- 7) Leachate tank inspections.
  - a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.
  - b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref. SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

**Amended 07/11/2006.**

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.

**New 07/11/2006.**

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

- b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.
- c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.
- d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.
- e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.
- f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.
- g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.
- h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

10. **Waste Handling Requirements**. All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area

a) is adequately covered with a tarp or rain cell cover; OR

b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND

c) has no evidence of leachate seepage, AND

d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].

4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see *Operation Plan*, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the *Operation Plan*. Slopes shall be maintained in accordance with the *Operations Drawings*. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with *Operations Drawings* [ref. SC#A.2.b.], and as described in the *Operation Plan* [ref. SC#A.2.a(1)], or as otherwise approved in writing by the Department.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved Operation Plan [ref.SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The Operation Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough ~~(struckthrough)~~ and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.
- 2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

- 5) Operator and spotter training certificates and other documentation;
- 6) Log of odor complaints and corrective action; and
- 7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.
- 8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved **Operations Drawings.**

**3. Waste Records.**

- a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.
- b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than **ninety (90) days** prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.



**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

3. **Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by SCS Engineers, received November 18, 2004 (**attached**), are described as follows:

<u>Well No.</u>	<u>WACS Testsite ID No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1R *	20585	Surficial	Background	See Figure L-1
MW-2R *	20586	Surficial	Background	↓
MW-4R *	20587	Surficial	Background	↓
MW-8A *	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R *	20588	Surficial	Detection	↓
MW-12R *	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-8 **	4508	Surficial	Abandoned	↓
MW-11 **	4511	Surficial	Abandoned	↓
MW-12 **	4512	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 90 days of permit issuance** in accordance with the construction details provided in Tables 4-1a and 4-1b of the Groundwater Monitoring Plan Addendum dated June 28, 2002, revised July 24, 2002, except for the construction details for well MW-8A provided in the SCS Engineers letter dated and received November 18, 2004; documentation of well construction details as indicated in Specific Condition No. E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition No. E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 90 days of permit issuance**; documentation of well abandonment as indicated in Specific Condition No. E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition No. E.5.d., shall be submitted **within 30 days of installation** of the proposed wells (MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R); this drawing shall also include the locations and elevations for the existing wells (MW-9 and MW-10R) and piezometers (MW-3 and MW-5) to comply with the responses to review comments provided in the letter prepared by SCS Engineers dated March 31, 2004.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

4. **Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition No. E.3., for all sampling events described in Specific Condition Nos. E.4.b., E.4.c., and E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

b. An initial sampling event at wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix II</b>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

c. The background wells (MW-1R, MW-2R and MW-4R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix I</b>	

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation of all new or replacement wells**, or as stated below:

a. Prior to construction of all new or replacement wells (excluding wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R) the permittee shall request and receive Department approval of a minor permit modification.

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition No. E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

8. **Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (attached):

<u>Leachate Sample ID No.</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID No.</u>
C-1	Cell No. 1	20580
C-2	Cell No. 2	20581
C-3	Cell No. 3	20582
C-4	Cell No. 4	20583
C-5	Cell No. 5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref. SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

a. **Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific conductivity	Total ammonia - N	Calcium
pH	Bicarbonate	Iron
Dissolved oxygen	Carbonate	Magnesium
Colors & sheens	Chlorides	Mercury
(by observation)	Nitrate	Potassium
	Sulfate	Sodium
	Total dissolved solids (TDS)	

b. **Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition No. E.8.a., plus the parameters listed in 40 CFR Part 258, Appendix II.

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition No. E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by SCS Engineers, received September 2, 2004 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition Nos. E.4.b., E.4.c., and E.9.d.

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by SCS Engineers, received November 18, 2004 (**attached**), as follows:

<u>Surface</u> <u>Water ID No.</u>	<u>WACS Testsite</u> <u>ID No.</u>	<u>Location</u>
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens	Iron	Total organic carbon (TOC)
(by observation)	Magnesium	Total dissolved solids (TDS)
Surface water	Mercury	Total suspended solids (TSS)
elevation	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, Appendix I

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions Nos. E.8.a., and E.8.b.), surface water samples (Specific Condition No. E.9.d.) and ground water samples (Specific Condition No. E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
**Amended 07/11/2006.**

**11. Monitoring Plan Evaluation.** By February 1, 2007 and no later than August 1, 2009, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year



**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

3. **Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by SCS Engineers, received November 18, 2004 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.

4. **Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

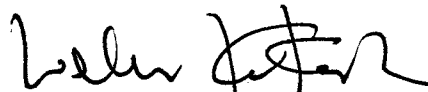
1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.**
  - a. There are no currently closed areas of the Class I landfill.
  - b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

✓ PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Mgr.

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



*for* J. M. Farley  
Interim District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2)	Quarterly, by January 15 <sup>th</sup> April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit leachate generation reports  Submit gas monitoring results
F.2.c.		
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 90 days of permit issuance	Install wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R, MW-12R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

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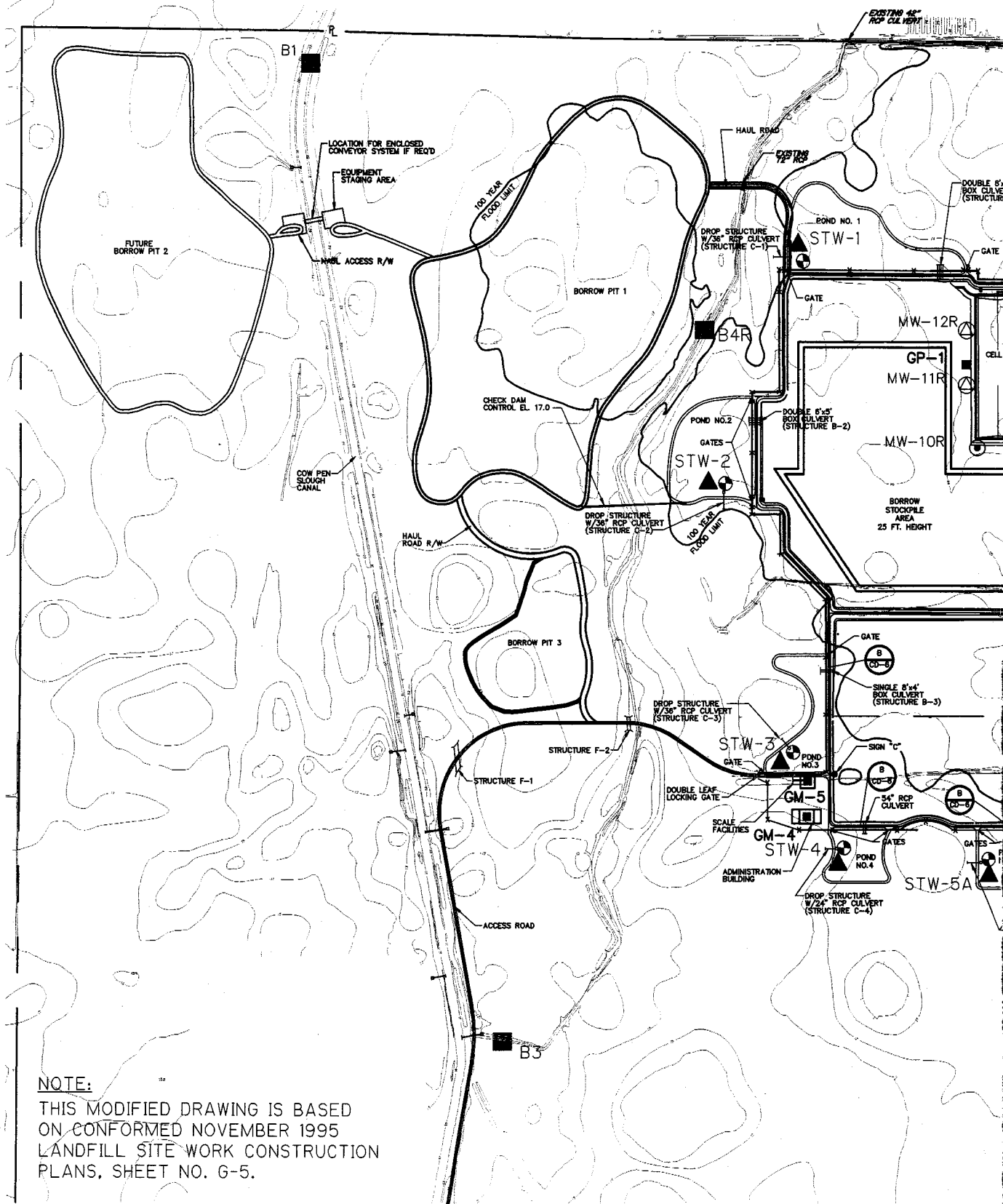
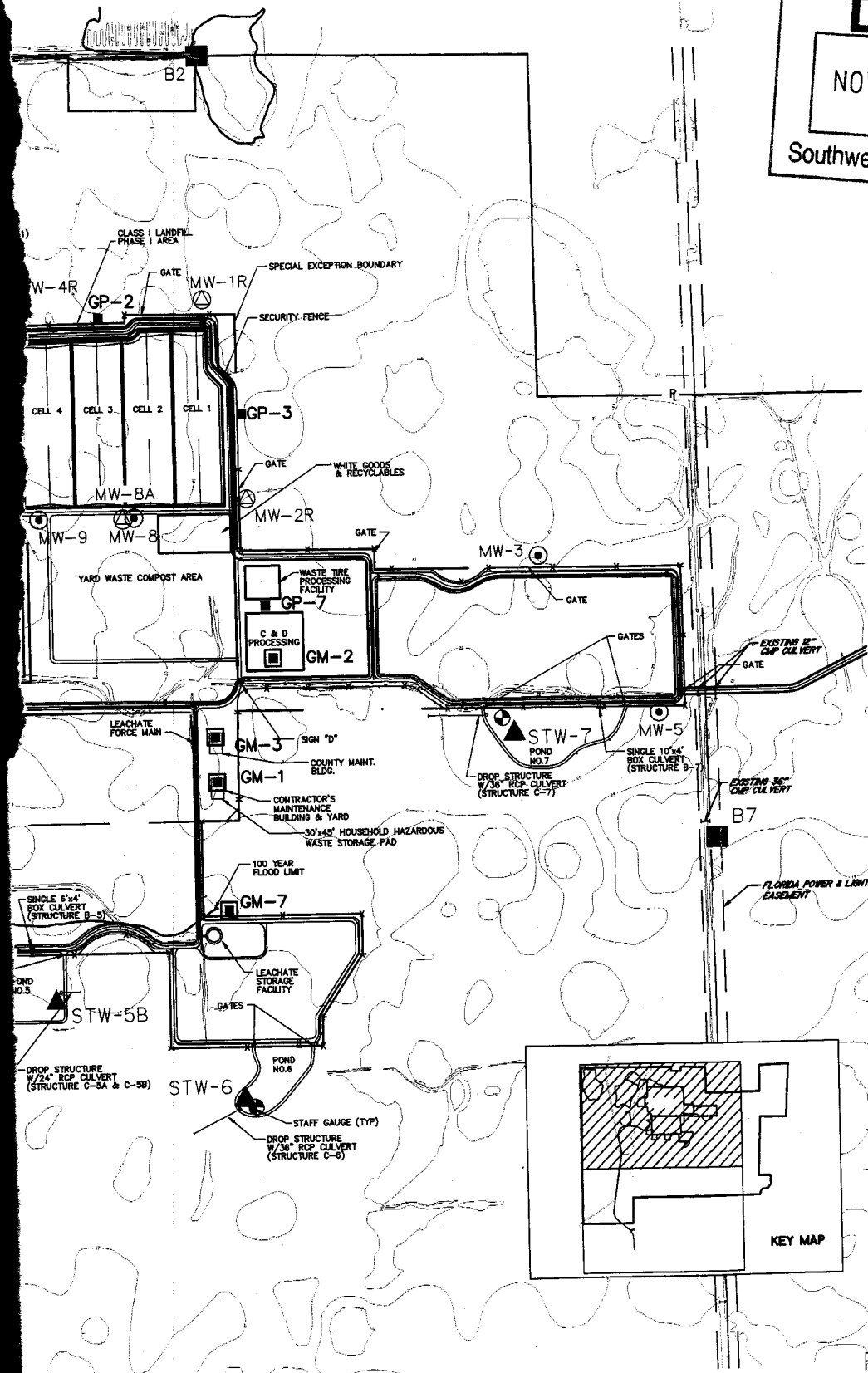
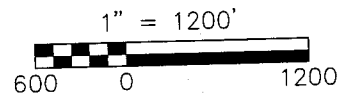
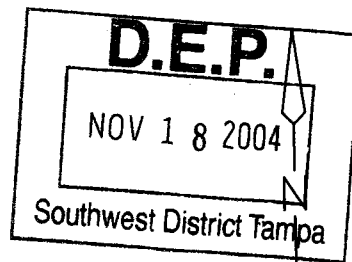
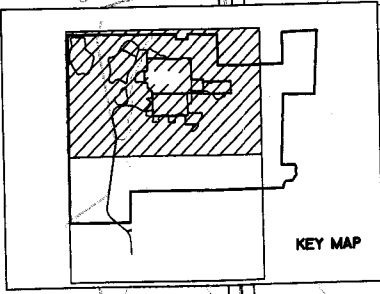


Figure L-1. Site Plan, Central County Solid Waste



**LEGEND**

- STAFF GAUGE LOCATION
- EXISTING MONITOR WELL LOCATIONS
- SURFACE WATER MONITORING STATIONS
- STORMWATER MONITORING STATIONS
- GAS MONITORING LOCATIONS
- GAS PROBES
- PROPOSED REPLACEMENT MONITORING WELL



*Pat Bl*  
 11-18-04

REVISED ON 11/18/04

SCS ENGINEERS

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C-1

# LEGEND

LOCATION OF LEACHATE PUMP VALVE BOX

## NOTE:

SOURCE: MODIFIED FROM CDM,  
1996 OPERATION PERMIT APPLICATION  
SHEET NO. 1. DECEMBER 1996.

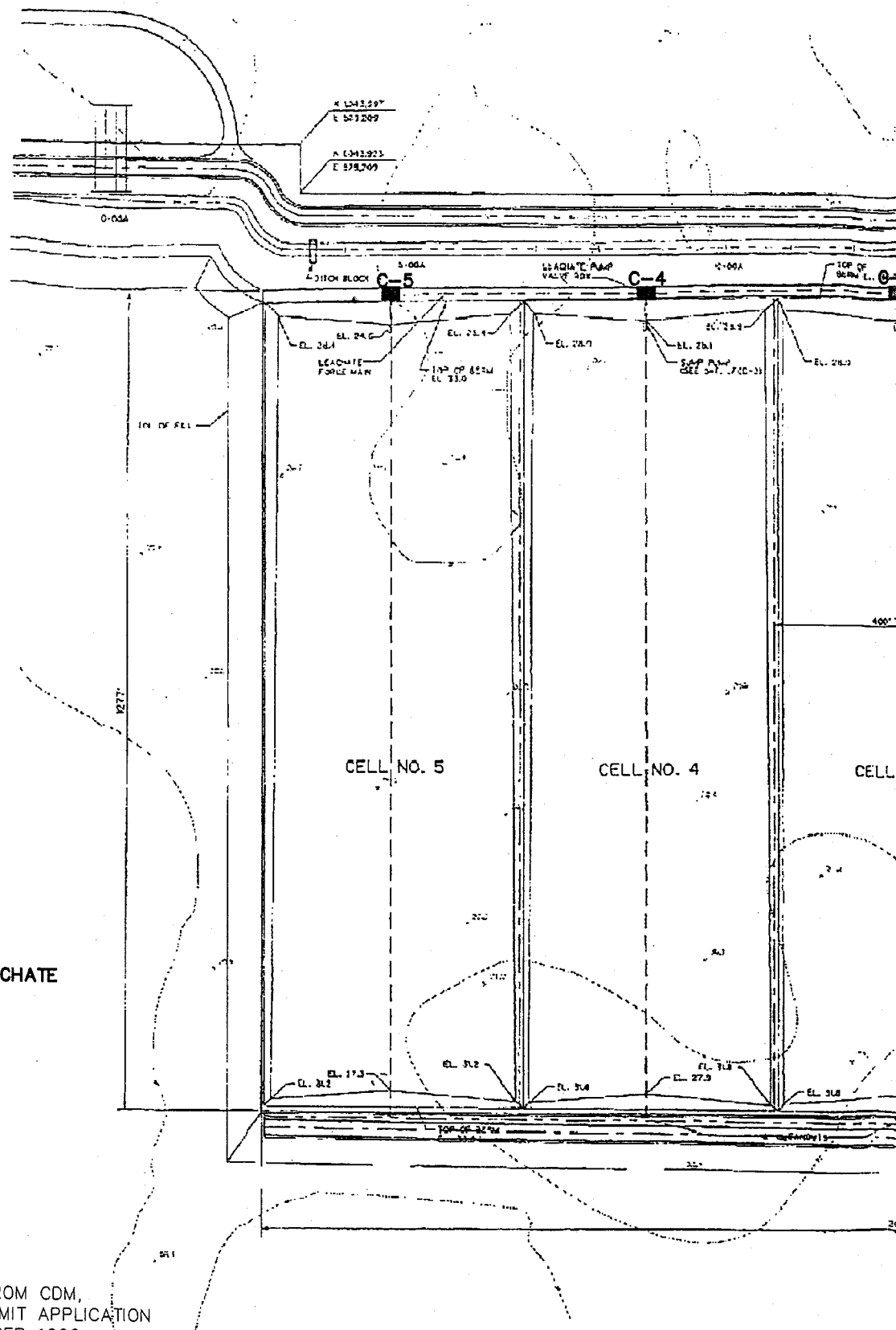
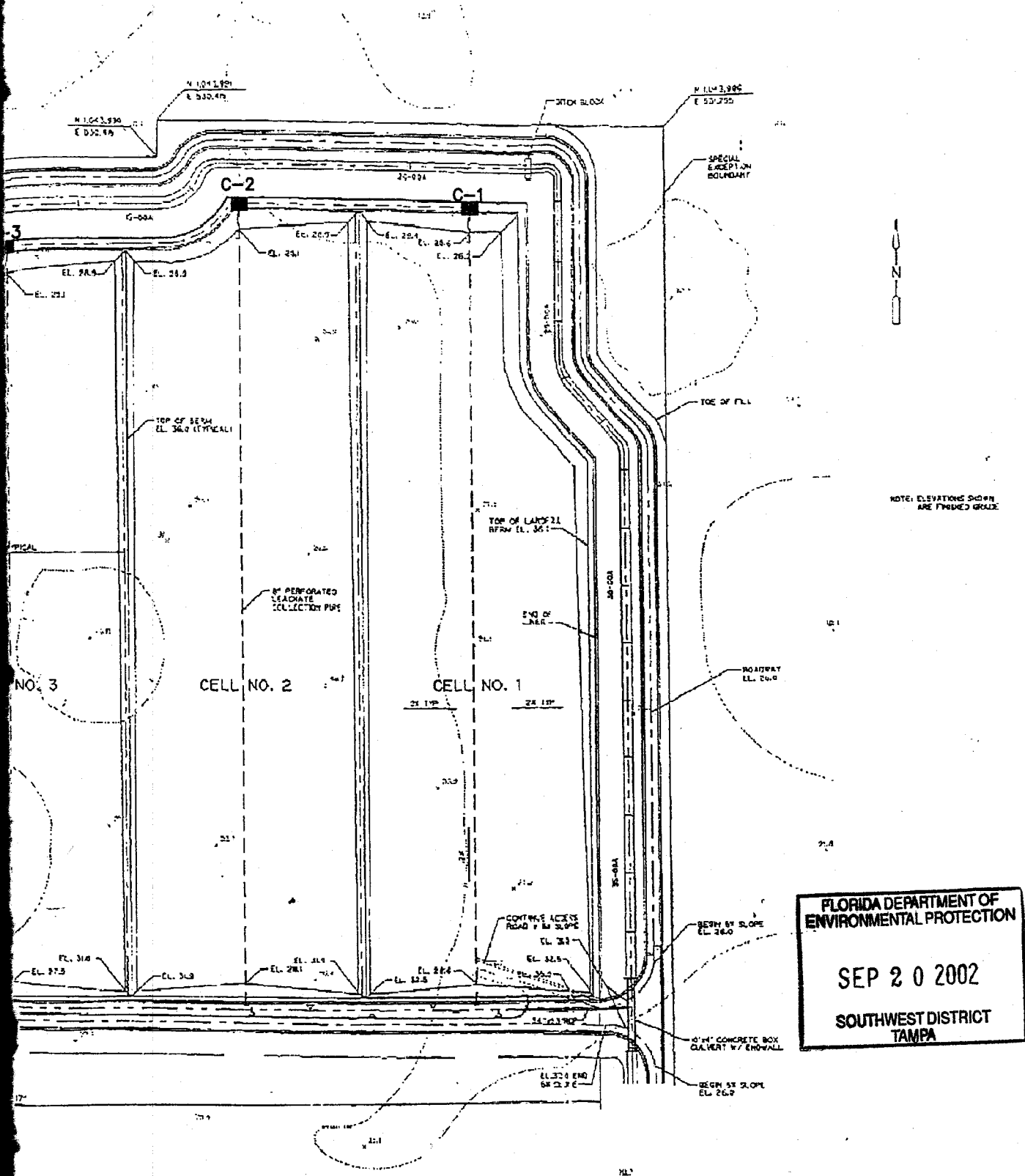


Figure L-1A. Site Plan Showing Leachate Pump



NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
SEP 20 2002  
SOUTHWEST DISTRICT  
TAMPA

SCS ENGINEERS

Valve Boxes, Central County Solid Waste Disposal Complex, Sarasota County, Florida.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

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: \_\_\_\_\_

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_  
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab            Comp QAP # /HRS Certification # \_\_\_\_\_

                                 \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

PART III ANALYTICAL RESULTS

Sampling Date/Time:

Report Period:

(year/quarter)

Well Purged (Y/N):

Well Type: ( ) Background

( ) Intermediate

( ) Compliance

( ) Other

Storet  
Code

Parameter Monitored

### Sampling Method

Field  
Filtered  
Y/N

### Analysis Method

Analysis  
Date/Time

\* Analysis  
Results/Units

Detection Limits/Units

\* Attach Laboratory Reports



# Florida Department of Environmental Protection

Southwest District Office  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

Mr. Frank Coggins  
Sarasota County Solid Waste Operations Division  
4000 Knights Trail Road  
Nokomis, FL 34275

March 23, 2007

Re: Central County Solid Waste Disposal Complex, Class I Landfill, Sarasota County  
Operating Permit #130542-002-SO, Pending Permit Modification #130542-004  
Monitoring Plan Changes Associated Background Monitor Wells, Responses to RAI #1

Dear Mr. Coggins:

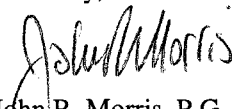
This letter has been prepared to acknowledge that responses to the Department's letter dated September 18, 2006 requesting additional information regarding the referenced application for permit modification were received on February 26, 2007, as follow:

- Letter prepared by PBS&J, providing responses to review comments, dated February 23, 2007, transmitting the following items:
  - DEP Form No. 62-701.900(1), revised pages 3, 4, 6, 32 and 33, revised February 22, and February 23, 2007;
  - Revised Section 4 ("Ground Water Sampling Parameters") of the document entitled *Ground Water Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida*, prepared by SCS Engineers, revised February 23, 2007

This letter also constitutes notice that a permit will be required for your project pursuant to Chapter 403, Florida Statutes. It has been 213 days since the application for minor permit modification was initially received. The Department has requested additional information in writing on one occasion. Based on the review of the referenced submittals, your application for permit renewal has been deemed to be complete as of February 26, 2007, and in accordance with Chapter 62-4, F.A.C., the Department must take agency action by May 26, 2007.

The Department appreciates your assistance in providing sufficient responses to the review comments regarding the request for additional information. Please contact me at (813) 632-7600, extension 336, if you have questions about this letter.

Sincerely,

  
John R. Morris, P.G.  
Solid Waste Section

cc: Paul Winger, P.E., Sarasota County Environmental Services, Solid Waste Operations  
Joseph L. Miller, P.E., PBS&J, 482 South Keller Road, Orlando, FL 32810  
Susan Pelz, P.E., FDEP Southwest District



An employee-owned company

February 23, 2007

Mr. John R. Morris, P.G.  
Solid Waste Section  
Department of Environmental Protection  
Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926

File  
Dept. of Environmental  
Protection  
FEB 26 2007  
Southwest District

Re: Central County Solid Waste Disposal Complex, Class I Landfill, Sarasota County  
Operating Permit # 130542-002-SO, Pending Permit Modification #130542-004  
Monitoring Plan Changes Associated Background Monitor Wells

Dear Mr. Morris:

This letter is in response to your letter of September 18, 2006 requesting additional information related to the above referenced permit modification application. Your questions are repeated below typed in italics, followed by our responses in normal type.

*Part A – General Information*

1. *A.5.: Please submit a revised application form for this item that identifies the DEP identification number for the facility is SWD/58/51614.*

Response: Page 4 of 40 of the application was revised to include the correct DEP facility identification number, and the revised page is included with this response.

*Part B – Disposal Facility General Information*

2. *B.1.: It was indicated in this section of the application form that the pending permit modification proposed to delete installation of proposed replacement background wells MW-2R and MW-4R, and to relocate proposed replacement background well MW-1R at a location north and west of the cell. The location for proposed background well MW-1R appears to be inconsistent with the south-southwest direction of ground water flow described for the surficial aquifer across the landfill footprint (Cell 1-5) in the document entitled Appendix A, Ground Water Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex, Sarasota County, Florida, prepared by SCS Engineers, dated June 28, 2002, revised July 24, 2002. Please submit revisions to this item of the application form that describes the location of the proposed replacement background well MW-1R that is up-gradient from and unaffected by the landfill footprint (Cells 1-5).*

Response: Page 6 of 40 of the application form was revised to correct the direction from north and west to north and east. The revised page 6 of 40 is included with this response.

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. *M.1.c. (3) and M.1.c. (5): Please note that the indication on page 3 of the application form that Part M is not applicable to the pending permit modification is incorrect. Please submit revised page 32 of the application form that references supplemental information to be provided regarding the proposed replacement background well for these two items of the application form, to address the following rule requirements:*
- *Rule 62-701.510(3)(c), F.A.C. – sufficient number of background wells shall be maintained throughout the design life of the landfill to provide information on background water quality;*
  - *Rule 62-701.510(3)(d)3., F.A.C. – well spacing shall be no greater than 1,500 feet apart across the upgradient direction of ground water flow, in the uppermost aquifer within the zone of discharge, unless site conditions support the use of an alternative well spacing; and*
  - *Rule 62-701.510(3)(d)4., F.A.C. – well screens shall be located to readily detect representative ground water conditions within the saturated thickness of the uppermost aquifer within the zone of discharge; well screens shall not act as conduits through confining layers between water bearing strata; the annular space above the sampling depth shall be sealed to prevent contamination of samples and ground water; wells monitoring the unconfined water table shall be screened so that the water table can be sampled at all times; the applicant shall provide technical justification for the actual screen length chosen.*

*Please submit a replacement for Section 4 (Ground Water Sampling and Parameters) of the document entitled Ground Water Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida, prepared by SCS Engineers, dated June 28, 2002, revised July 29, 2002, with the appropriate revisions to provide the above-listed supplemental information regarding the proposed replacement background well(s). Please include a description of construction details for the proposed background well(s), including well screen interval length, top/bottom elevations for the well screen, and screen slot/sand pack sizes.*

*Please also submit a replacement for Figure 4-1 of this document to include the following:*

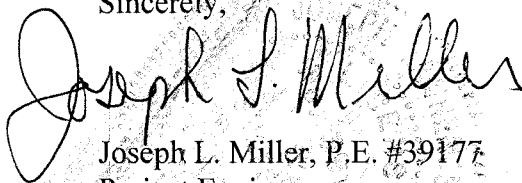
- *Location and identification numbers for all existing monitoring wells and piezometers (see SC#E.3.);*
- *Locations and unique identification numbers for all proposed monitoring well [i.e., proposed replacement background well(s)];*
- *Locations and identification numbers for all existing surface water sampling locations (see SC #E.9.c);*
- *Locations and identification numbers for all existing staff gauge locations in the storm water ponds (see SC #E.9.b);*

Mr. John Morris, P.G.  
February 23, 2007  
Page 3 of 3

- *Locations and identification numbers for all existing landfill gas probes and landfill gas ambient monitoring locations (see SC #F.3.);*
- *Landfill Cell 1 through 5; and,*
- *North arrow and scale.*

Response: The application page 3 of 40 was revised to show that Part M was applicable. Part M was submitted with the application sections marked. *Section 4 Groundwater Sampling and Parameters* was revised to address the information request above. Revised Section 4 is included with this response letter. Figure L-1 Revised is include with this response shows the locations for the monitoring as requested above.

Sincerely,



Joseph L. Miller, P.E. #39177  
Project Engineer

Cc: Paul Wingler, Sarasota County  
Frank Coggins, Sarasota County

U:\SO\Projects\SARASOTA\WA-14 New Wells for Central Landfill\Response 1 Feb 23 2007.doc

#### Attachments

Revised application Pages 3, 4, 6, 32 and 33

Revised Section 4 Ground Water Sapling and Parameters

Figure L-1 Revised - Locations of Groundwater Monitoring Wells, Piezometers, Staff Gauges, Soil Gas Monitoring Probes and Ambient Gas Monitoring Locations

Figure GM-1 - Background Well MW-1R Section

Figure GM-2 - Ground Water Monitoring Background Well Detail



V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

PART A:	GENERAL INFORMATION - Submitted
PART B:	DISPOSAL FACILITY GENERAL INFORMATION - Submitted
PART C:	NON-DISPOSAL FACILITY GENERAL INFORMATION - Not Applicable
PART D:	PROHIBITIONS - Not Applicable
PART E:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL - Not Applicable
PART F:	LANDFILL PERMIT REQUIREMENTS - Not Applicable
PART G:	GENERAL CRITERIA FOR LANDFILLS - Not Applicable
PART H:	LANDFILL CONSTRUCTION REQUIREMENTS - Not Applicable
PART I:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS - Not Applicable
PART J:	GEOTECHNICAL INVESTIGATION REQUIREMENTS - Not Applicable
PART K:	VERTICAL EXPANSION OF LANDFILLS - Not Applicable
PART L:	LANDFILL OPERATION REQUIREMENTS - Not Applicable
PART M:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS - Submitted *
PART N:	SPECIAL WASTE HANDLING REQUIREMENTS - Not Applicable
PART O:	GAS MANAGEMENT SYSTEM REQUIREMENTS - Not Applicable
PART P:	LANDFILL CLOSURE REQUIREMENTS - Not Applicable
PART Q:	CLOSURE PROCEDURES - Not Applicable
PART R:	LONG TERM CARE REQUIREMENTS - Not Applicable
PART S:	FINANCIAL RESPONSIBILITY REQUIREMENTS - Not Applicable
PART T:	CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER - Submitted

\* Revised February 22, 2007.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE  
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

**A. GENERAL INFORMATION**

1. Type of facility (check all that apply):

☒ Disposal

☒ Class I Landfill

☐ Class II Landfill

☐ Class III Landfill

☐ Other Describe: \_\_\_\_\_

☐ Ash Monofill

☐ Asbestos Monofill

☐ Industrial Solid Waste

☐ Non-Disposal

☐ Incinerator For Non-biomedical Waste

☐ Waste to Energy Without Power Plant Certification

☐ Other Describe: \_\_\_\_\_

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;  
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;  
Compost Facilities should apply on Form 62-701.900(10), FAC; and  
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

☐ Construction

☒ Operation

☐ Construction/Operation

☐ Closure

3. Classification of application:

☐ New

☐ Renewal

☐ Substantial Modification

☐ Intermediate Modification

☒ Minor Modification

4. Facility name: Central County Solid Waste Disposal Complex

5. DEP ID number: SWD/58/51614 \* County: Sarasota

6. Facility location (main entrance): North end Knights Trail Road

4000 Knights Trail Road, Nokomis, Florida 34275

7. Location coordinates:

Section: 9-16 Township: 38S Range: 19E

Latitude: 27<sup>0</sup> 12' 00" Longitude: 82<sup>0</sup> 23' 00"

\* Revised DEP ID number Feb. 22, 2007

**B. DISPOSAL FACILITY GENERAL INFORMATION**

1. Provide brief description of disposal facility design and operations planned under this application:

This application is for a minor permit modification to eliminate two of the three proposed new background wells for the Class I Landfill, which are MW-2R and M2-4R, and relocate MW-1R north and east of the cell between 100 and 400 feet to a higher and dryer location. The location and details for this well are further described in the revised Section 4 of the Groundwater Monitoring Plan. \*

2. Facility site supervisor: Frank Coggins

Title: Solid Waste Operations Manager Telephone: (941) 861-1571

fcoggins@scgov.net

E-Mail address (if available)

3. Disposal area: Total 55 acres; Used 44 acres; Available 11 acres.

4. Weighing scales used: ☒ Yes ☐ No

5. Security to prevent unauthorized use: ☒ Yes ☐ No

6. Charge for waste received: N/A \$/yds<sup>3</sup> 63.77 \$/ton

7. Surrounding land use, zoning:

☒ Residential

☐ Industrial

☒ Agricultural

☐ None

☐ Commercial

☒ Other Describe: Government Use

8. Types of waste received:

☒ Residential

☒ C & D debris

☒ Commercial

☒ Shredded/cut tires

☐ Incinerator/WTE ash

☒ Yard trash

☒ Treated biomedical

☐ Septic tank

☒ Water treatment sludge

☒ Industrial

☐ Air treatment sludge

☒ Industrial sludge

☒ Agricultural

☒ Domestic sludge

☒ Asbestos

☐ Other Describe: \_\_\_\_\_

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No Trained operator: ☒ Yes ☐ No

11. Spotters: Yes ☒ No ☐ Number of spotters used: 1

12. Site located in: ☐ Floodplain ☐ Wetlands ☒ Other Uplands

\* Revised February 23, 2007.

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

M. WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS (62-701.510, FAC)\*

S LOCATION N/A N/C

1. Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;

X Cover Letter \_\_\_\_\_

a. Based on the information obtained in the hydrogeological investigation and signed, dated and sealed by the PG or PE who prepared it; (62-701.510(2) (a), FAC)

\_\_\_\_\_ X

b. All sampling and analysis performed in accordance with Chapter 62-160, FAC; (62-701.510(2) (b), FAC)

c. Ground water monitoring requirements; (62-701.510(3), FAC)

X Fig, L-1 \_\_\_\_\_

(1) Detection wells located downgradient from and within 50 feet of disposal units;

X Fig. L-1 \_\_\_\_\_

(2) Downgradient compliance wells as required;

X Fig. GM-1 \_\_\_\_\_

(3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;

X Fig L-1 \_\_\_\_\_

(4) Location information for each monitoring well;

X Fig. L-1 \_\_\_\_\_

(5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells unless site specific conditions justify alternate well spacings;

X Table 4-1 \_\_\_\_\_

(6) Well screen locations properly selected;

X Fig. GM-2 \_\_\_\_\_

(7) Procedures for properly abandoning monitoring wells;

\_\_\_\_\_ X \_\_\_\_\_

(8) Detailed description of detection sensors if proposed.

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
----------	-----------------	------------	------------

**PART M CONTINUED**

d. Surface water monitoring requirements;  
(62-701.510(4), FAC)

(1) Location of and justification for  
all proposed surface water  
monitoring points;

(2) Each monitoring location to be  
marked and its position determined  
by a registered Florida land  
surveyor;

e. Leachate sampling locations proposed;  
(62-701.510(5), FAC)

f. Initial and routine sampling frequency and  
requirements; (62-701.510(6), FAC)

(1) Initial background ground water and  
surface water sampling and analysis  
requirements;

(2) Routine leachate sampling and  
analysis requirements;

(3) Routine monitoring well sampling and  
analysis requirements;

(4) Routine surface water sampling and  
analysis requirements.

g. Describe procedures for implementing  
evaluation monitoring, prevention measures  
and corrective action as required; (62-  
701.510(7), FAC)

h. Water quality monitoring report  
requirements;  
(62-701.510(9), FAC)

(1) Semi-annual report requirements;

(2) Bi-annual report requirements  
signed, dated and sealed by PG or  
PE.

## SECTION 4

### GROUNDWATER SAMPLING AND PARAMETERS

The groundwater monitoring well program included three background wells (MW-1, MW-2 and MW-4), and five detection wells (MW-8, MW-9, MW-10R, MW-11 and MW-12). Six of these wells (MW-1, MW-2, MW-4, MW-8, MW-11 and MW-12) had screens that do not intercept the seasonal high groundwater level, and must be replaced.

#### REPLACEMENT OF SELECTED MONITORING WELLS

Monitoring wells MW-8A, MW-11R, and MW-12R will be installed immediately adjacent to the wells they are replacing. Background well MW-1R will replace MW-1, but will be located northeast of the landfill. Only one background well is needed, and locating this well northeast gives the 1,500 feet of coverage required by the regulations to adequately represent the background water quality upstream of the active landfill cells. Background wells MW-2 and MW-4 can be eliminated. Figure L-1 (Revised), included with this revised Section 4, shows the locations for the new ground water monitoring wells, existing groundwater monitoring wells to remain and existing groundwater monitoring wells abandoned. Figure L-1 also shows the locations for the piezometers (MW-3 and MW-5), staff gauges, surface water monitoring stations, soil monitoring gas probes and ambient gas monitoring locations. Figure GM-1 is a cross section through the landfill and background water monitoring well MW-1R. GM-2 is a well detail for the installation of the groundwater monitoring well.

Table 4-1 lists the proposed well construction characteristics for the replacement wells. The well screens were set based on the historical seasonal high and low water levels at each of the existing wells. Because of limitations of land surface elevation there are times when some of the replacement monitoring well screens will be submerged. However, the replacement of these wells decreases the frequency of submergence. Each replacement well is located near the existing well approximately 50-feet from the edge of the nearest hydraulically up gradient waste cell. Existing replaced wells will be abandoned in accordance with state regulations.

**Table 4-1**  
**Well Construction Characteristics for Replacement Wells**

<b>Monitoring Well</b>	<b>Length of Well Screen</b>	<b>Depth Below Ground Surface to Top of Screen</b>	<b>Depth Below Ground Surface to Bottom of Well Screen</b>
MW-1R	10 ft.	2 ft.	12 ft.
MW-8A	10 ft.	3 ft.	13 ft.
MW-11R	10 ft.	2 ft.	12 ft.
MW-12R	10 ft.	2 ft.	12 ft.

## ACTIVATION OF WELLS FOR WATER LEVEL DATA

Monitoring wells MW-3 and MW-5 are inactive, but available for water level measurements. These wells are included in the groundwater monitoring program for water level data collection only. The water level measurement data will be used to draw potentiometric maps for the surficial aquifer water levels. The elevations and coordinates for MW-3 and MW-5 will be surveyed along with the other groundwater monitoring wells.

## WATER QUALITY PARAMETERS AND SAMPLING FREQUENCY

Groundwater monitoring wells MW-1R, MW-8A, MW-9, MW-10, MW-11R and MW-12R will be sampled semi-annually for:

Field Parameters	Laboratory Parameters (Unfiltered)	Additional Cations and Anions (Unfiltered)
Specific conductivity	Total ammonia - nitrogen	Potassium
pH	Chlorides	Calcium
Dissolved oxygen	Iron	Magnesium
Turbidity	Mercury	Sulfate
Temperature	Nitrate	Carbonate
Color and sheen by observation	Sodium	Bicarbonate
-	Total Dissolved Solids (TDS)	-
Static Water Levels before pumping	Those parameters listed in 40 CFR Part 258, Appendix I	-

The major cations and anions will be used in Stiff diagram plots to assist in evaluating water quality characteristics.

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

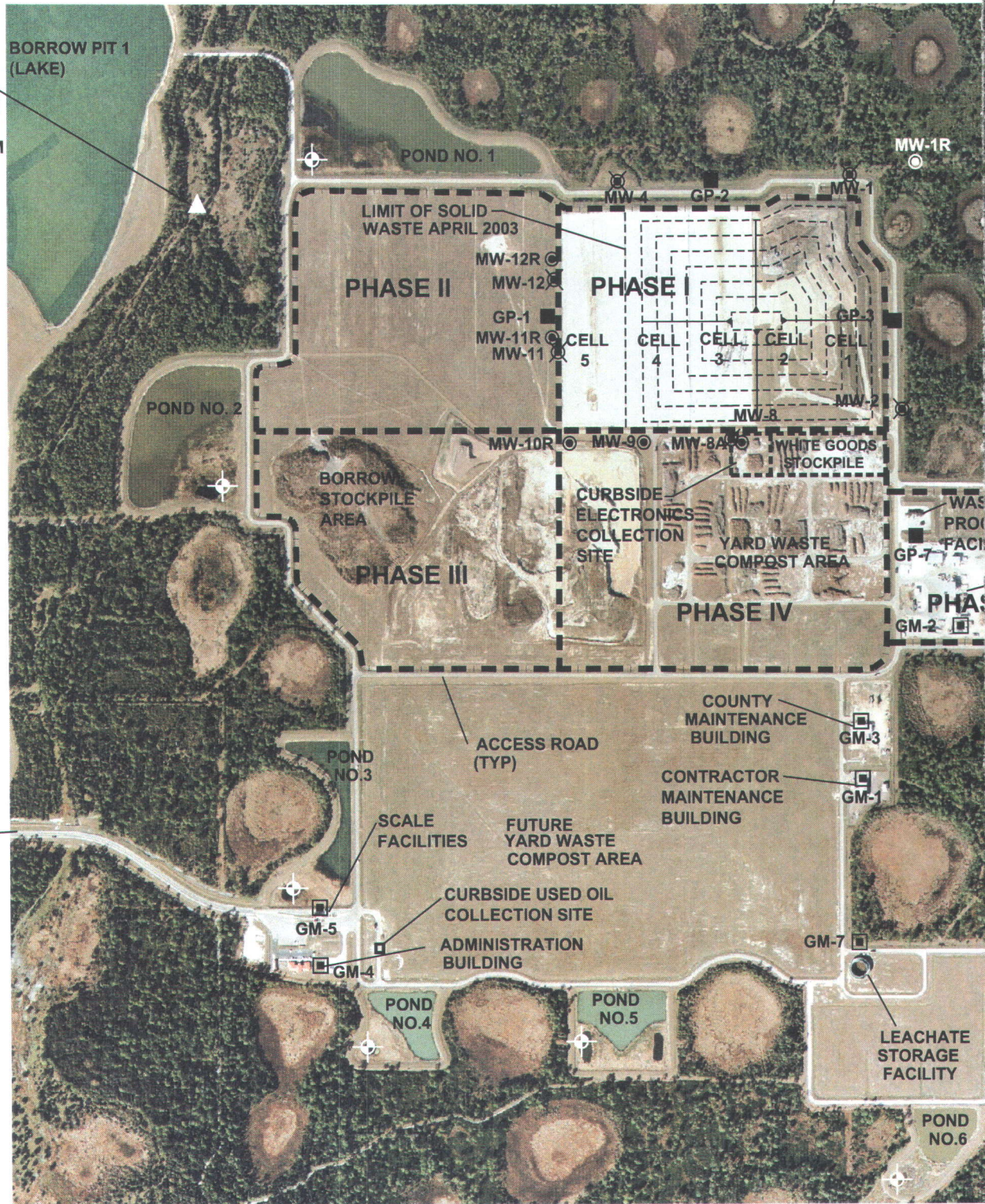
Joseph F. Miller  
P.E. # 39177



DIRECTION OF WATER FLOW  
IN OLD COW PEN SLOUGH

B-2  
OLD COW PEN  
UPSTREAM S  
MONITORING

B-4R  
OLD COW PEN  
SLOUGH,  
DOWNSTREAM  
SURFACE  
WASTE  
MONITORING  
LOCATION



LANDFILL  
ENTRANCE  
ROAD TO  
KNIGHTS  
TRAIL  
ROAD AND  
I-75

**PBS**

SARASOTA COUNTY  
CENTRAL COUNTY SOLID WASTE  
LOCATION OF GROUND WATER MONITORING WELLS  
GAS MONITORING PROBES (GP) AND AMBIENT AIR MONITORING  
FEBRUARY 2003



EN SLOUGH,  
SURFACE WATER  
LOCATION



# SARASOTA COUNTY CENTRAL SOLID WASTE DISPOSAL COMPLEX



Natural Resources  
Aerial Date: 03/01



## LEGEND:

- PIEZOMETERS (2) - MW-3 & MW-5
- ⊙ GROUNDWATER MONITORING WELLS (6) - MW-1R, MW-8A, MW-9, MW-10R, MW-11R & MW-12R
- ⊕ STAFF GAUGE LOCATIONS (7) - IN PONDS 1 THROUGH 7
- ▲ SURFACE WATER MONITORING STATIONS (2) - B-2 & B-4R
- SOIL MONITORING GAS PROBES (4) - GP-1, GP-2, GP-3 & GP-7
- ▣ AMBIENT GAS MONITORING LOCATIONS (6) -
  - GM-1 CONTRACTOR'S MAINTENANCE BUILDING AND YARD
  - GM-2 C&D PROCESSING AREA
  - GM-3 COUNTY MAINTENANCE BUILDING
  - GM-4 ADMINISTRATION BUILDING
  - GM-5 SCALE HOUSE
  - GM-7 CONTROL PANEL AT LEACHATE STORAGE FACILITY
- ⊗ ABANDONED GROUNDWATER MONITORING WELLS (6) - MW-1, MW-2, MW-4, MW-8, MW-11 & MW-12
- LIMITS OF SOLID WASTE

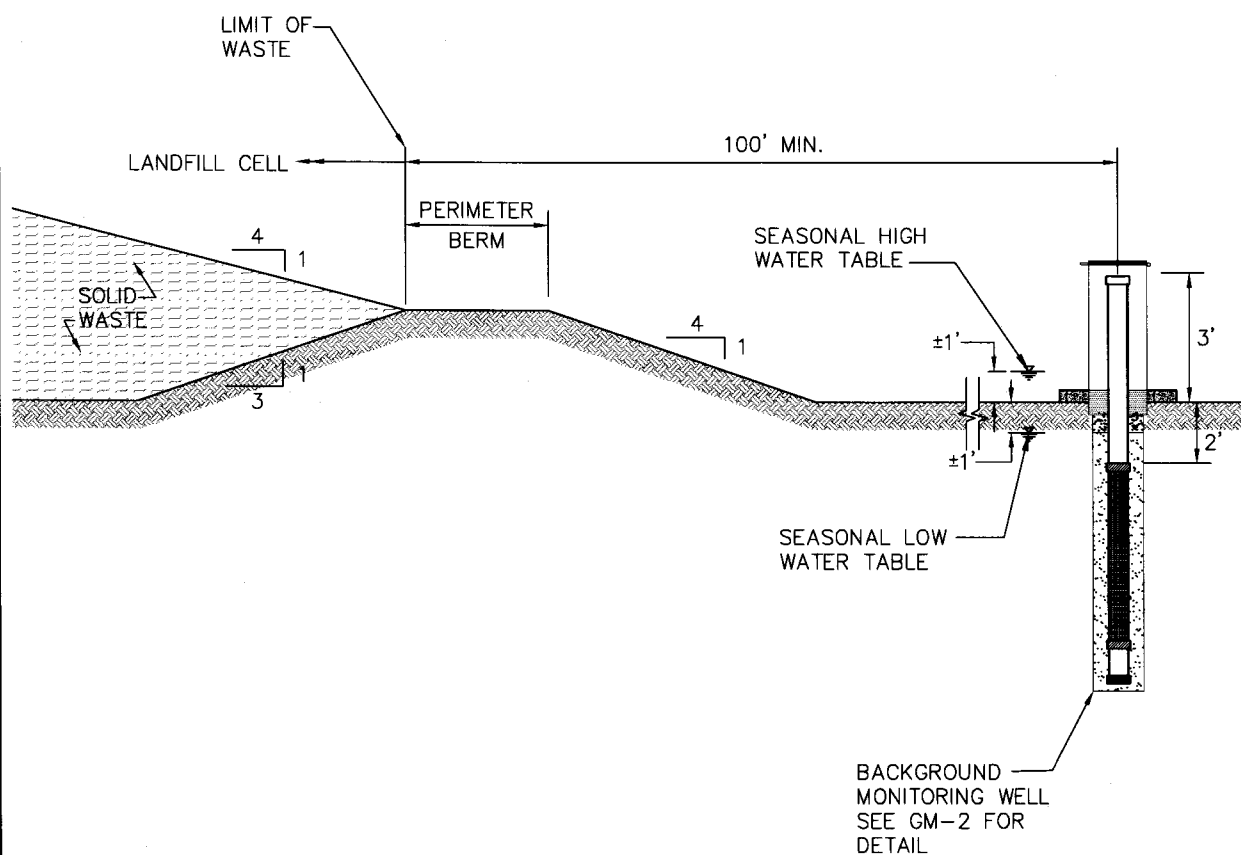
Map Version: 02/03/03

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
FEB 26 2007  
SOUTHWEST DISTRICT  
TAMPA

SARASOTA COUNTY  
CENTRAL SOLID WASTE DISPOSAL COMPLEX  
WELLS, PIEZOMETERS, STAFF GAUGES, SOIL  
AND AMBIENT GAS MONITORING LOCATIONS (GM)  
2007

FIGURE L-1  
REVISED

U:\04H\_S\ENVCADD\WASTEMAN\Manatee\Permit-renewal-2004\SARASOTA CO\_NEW WELL LOCATION.dwg Feb 21, 2007 - 6:03pm Plotted By: 9327



FEB. 19, 2007

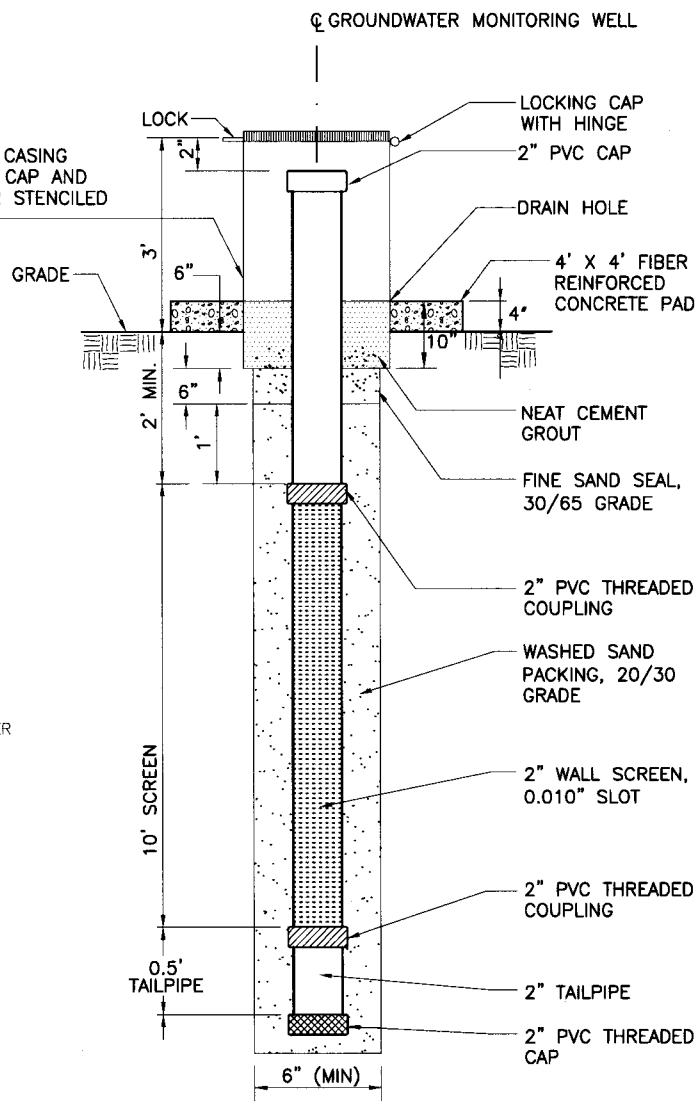
**PBSJ**

SARASOTA COUNTY CENTRAL LANDFILL  
BACKGROUND WELL MW-1R  
SECTION

GM-1

CONSTRUCTION NOTES:

1. ALL WORK RELATED TO ABANDONMENT OR INSTALLATION OF MONITORING WELLS, SHALL BE DONE BY A FLORIDA CERTIFIED WATER WELL DRILLER.
2. ALL MONITORING WELLS, INDICATED ON THE DRAWINGS SHALL BE ABANDONED IN ACCORDANCE WITH F.A.C. RULE 62-532.440, AND THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD). THE DRILLER SHALL SUBMIT A WRITTEN REPORT TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, WITH COPIES TO THE OWNER AND ENGINEER, DOCUMENTING VERIFICATION OF THE WELL ABANDONMENT WITHIN 90 DAYS OF ABANDONMENT. DOCUMENTATION OF ABANDONMENT SHALL INCLUDE A MAP SHOWING LOCATIONS AND SWFWMD ABANDONMENT RECORDS.
3. NEW MONITORING WELLS AND PIEZOMETERS SHALL BE INSTALLED PER ASTM D-5092 (1995) E1-STANDARD PRACTICE FOR DESIGN AND INSTALLATION OF GROUND WATER MONITORING WELLS IN GRANULAR AQUIFERS, AND THE FOLLOWING DOCUMENTATION SUBMITTED TO FDEP WITH COPIES TO THE OWNER AND ENGINEER.
  - A. FDEP FORM 62-522.900(3) MONITORING WELL COMPLETION REPORT
  - B. A SURVEY DRAWING SHALL BE SUBMITTED IN ACCORDANCE WITH F.A.C. RULE 62-701.510(3) (D) (1). SHOWING THE LOCATION OF ALL MONITORING WELLS (ACTIVE AND ABANDONED) HORIZONTALLY LOCATED IN DEGREES, MINUTES AND SECONDS OF LATITUDE AND LONGITUDE, AND THE ELEVATION OF THE TOP OF THE WELL CASING TO THE NEAREST 0.01 FOOT, NATIONAL GEODETIC VERTICAL DATUM. THE SURVEYED DRAWING SHALL INCLUDE THE MONITOR WELL IDENTIFICATION NUMBERS, LOCATIONS AND ELEVATIONS OF ALL PERMANENT BENCHMARKS AND /OR CORNER MONUMENT MARKER AT THE SITE. THE SURVEY SHALL BE CONDUCTED BY A FLORIDA REGISTERED SURVEYOR.
4. ALL REPORTS SHALL BE SENT TO: JOHN MORRIS, P.G. SOLID WASTE SECTION, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SOUTHWEST DISTRICT OFFICE, 13051 NORTH TELECOM PARKWAY, TEMPLE TERRACE, FL. 33637-0926; AND ALSO TO: SOLID WASTE SECTION, DEPARTMENT OF ENVIRONMENTAL PROTECTION, 3900 COMMONWEALTH BOULEVARD, M.S. 4565, TALLAHASSEE, FL 32399-3000.



**2" DIAMETER GROUNDWATER MONITORING WELL DETAIL**

FEB. 19, 2007



**SARASOTA COUNTY CENTRAL LANDFILL  
GROUND WATER MONITORING BACKGROUND  
WELL DETAIL**

**GM-2**

*Shirley Central Co  
LF - 6 permit***Pelz, Susan**

---

**From:** Pelz, Susan  
**Sent:** Monday, November 13, 2006 2:48 PM  
**To:** 'Franklin Coggins'  
**Cc:** Amram, Allison; Evans, Roger; Morgan, Steve; Morris, John R.; Watson, Stephanie M.; Williams, Selena  
**Subject:** RE: Compactor Washout procedures

Frank,

The Department **does not object** to your proposed container washout procedures. We will add this information to your Operation plan in our files. Please note that the container washouts should not occur during inclement weather.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
susan.pelz@dep.state.fl.us

---

**From:** Franklin Coggins [mailto:fcoggins@scgov.net]  
**Sent:** Wednesday, October 25, 2006 3:00 PM  
**To:** Pelz, Susan  
**Subject:** Fwd: Compactor Washout procedures

Susan  
Some additional information and the attachment.

There are only going to be about 12 containers per year.

Frank Coggins  
Manager, Solid Waste Operations  
941-650-4160  
[fcoggins@scgov.net](mailto:fcoggins@scgov.net)

>>> Franklin Coggins 10/25/2006 2:39:19 PM >>>

Waste Management is requesting that they be allowed to wash containers at the lift. The purpose is the washout of containers to remove residue that accumulates in the container and is needed for odor control, sanitation and proper operation. Wash-Out of containers will only be done over the lined portion of the landfill. Only water (no chemicals) will be used during the Wash- Out process. Between 10 and 25 gallons of high-pressure low volume water are needed for each container wash.

Attached is the washout procedure. The process will take place very near the lift face, in an area where the leachate can be collected.

11/13/2006



Frank Coggins  
Manager, Solid Waste Operations  
941-650-4160  
[fcoggins@scgov.net](mailto:fcoggins@scgov.net)

## Landfill Container Wash-Out Process

OVERVIEW: The following describes the container wash-out process. The washout of containers to remove residue is needed for odor control, sanitation and proper operation. Wash-Out of containers will only be done over the lined portion of the landfill with approval from the Department of Environmental Protection (DEP). Only water (no chemicals) will be used during the Wash- Out process. Between 10 and 25 gallons of high-pressure low volume water are needed for each container wash.

The following process will be followed:

- 1- Coordinate with the landfill staff to determine an appropriate/ approved wash-out location. (on top of a lined area with no possibility of run-off)
- 2- Position the vehicle and container in the Wash-Out Area.
- 3- Shut off the power to the vehicle and set park brake.
- 4- Use proper eye protection and gloves when performing Wash-Out.
- 5- Use only water (no chemicals) in pressure washer.
- 6- Enter container and wash residue out of back door onto the landfill.
- 7- Reposition after Wash-Out (as needed) to prevent pooling of water.



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

Lois J. Rose.  
Sarasota County Environmental Services  
8750 Bee Ridge Road  
Sarasota, Florida 34241

October 11, 2006

Dear Ms. Rose:

Re: Authorization to Consolidate Hazardous Waste from  
Conditionally Exempt Small Quantity Generators

In response to your August 22, 2006 request, the Department is granting you authorization to manage hazardous waste from conditionally exempt small quantity generators pursuant to Florida Administrative Code Rule 62-730.220(5) at the following locations:

Bee Ridge Chemical Collection Center - 8750 Bee Ridge Road, Sarasota

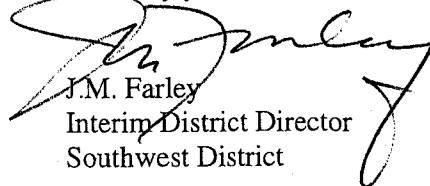
Central County Chemical Collection Center - 4000 Knights Trail Road, Nokomis

Jackson Road Chemical Collection Center - 200 S. Jackson Road, Venice

The Department had previously granted authorization on June 22, 2006 for the Bee Ridge facility. The Department expects that each of these facilities will follow the standard operating procedures for the Bee Ridge facility that were attached to your letter. In addition, such storage must be in accordance with your solid waste permit. Per our conversation today, we understand that you do not accept unknowns from conditionally exempt generators.

Susan Pelz of the Solid Waste Section confirms that despite Specific Condition G.2.a of Permit 40049-004-SF/14, a separate waste processing permit is not required for this activity due to recent revisions to FAC Rule 62-730. We appreciate Sarasota County's efforts to ensure hazardous waste generated within the County is managed appropriately. Sarasota's efforts will help protect the County's ground water resources as well as human health. If we can provide the County with any additional assistance, or if you have any questions, please call James Dregne at 813/632-7600 ext. 410.

Sincerely yours,

  
J.M. Farley  
Interim District Director  
Southwest District

cc: Susan Pelz, Solid Waste  
Tim Bahr, Hazardous Waste Regulation Section  
Agusta Posner, OGC.

"More Protection, Less Process"

Printed on recycled paper.

*Smutsch & Co. L.P.  
permit file*

**Pelz, Susan**

**From:** Zoller, Bryan M [BMZoller@pbsj.com]  
**Sent:** Thursday, August 24, 2006 1:59 PM  
**To:** Pelz, Susan  
**Cc:** Putman, Charles "Pete"; Paul Wingler; Franklin Coggins; Lois Rose  
**Subject:** CITIZEN'S

Ms. Pelz,

Attached is the electronics operation plan for the Citizen's Convenience Center @ the Central County Landfill.

Thank you,

Bryan Zoller, **PBS&J**  
(941) 954-4036 Office  
(941) 951-1477 Fax

8/25/2006



**Aug 24, 2006**

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
susan.pelz@dep.state.fl.us

**Re: CITIZEN'S CONVENIENCE CENTER @ THE CENTRAL COUNTY LANDFILL -  
ELECTRONICS OPERATIONS PLAN**

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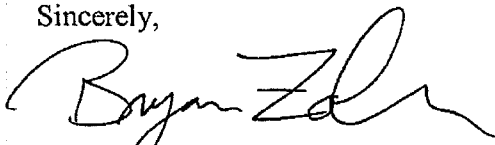
Ms. Pelz,

The following is a detailed description of the proposed concrete electronics pad and electronics recycling operations for the Citizen's Convenience Center @ The Central County Landfill.

- The facility will be manned with a full time attendant who unloads all the vehicles coming into the facility.
- The electronics come off residential curbside collection routes through our vendors or the municipalities.
- The types of electronics that get dropped off include but are not limited to televisions, computers, monitors, copiers, etc.
- The electronics are physically unload and placed on pallets or the concrete slab and wrapped in cellophane.
- Once dropped off, electronics will remain at the facility typically less than one week but may go up to two weeks.
- Anything that is broken is swept up and placed in a closed drum for disposal.
- All unacceptable materials shall be refused.
- The current vendor who will be taking the electronics is Creative Recycling. They back their semi-trailers up to the slab and load the pallets onto the truck with pallet jacks or fork lifts.

Please don't hesitate to call if you have any questions or need any additional information regarding the proposed electronics recycling.

Sincerely,



Bryan Zoller, P.E.  
(941) 954-4036 OFFICE  
(941) 812-2585 CELL

**PBSJ**



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

Mr. Frank Coggins  
Sarasota County Solid Waste Operations Division  
4000 Knights Trail Road  
Nokomis, FL 34275

September 18, 2006

Re: Central County Solid Waste Disposal Complex, Class I Landfill, Sarasota County  
Operating Permit #130542-002-SO, Pending Permit Modification #130542-004  
Monitoring Plan Changes Associated Background Monitor Wells

Dear Mr. Coggins:

This letter has been prepared to acknowledge that the following submittals were received by the Department in support of the requested minor modification to the solid waste permit for the referenced facility, as follow:

- Letter from Sarasota County Environmental Services, Solid Waste Operations, dated August 18, 2006 received August 22, 2006, transmitting the following items:
  - DEP Form No. 62-701.900(1), Parts A, B and T, signed/sealed August 2, 2006;
  - Permit modification application fee in the amount of \$250.00 (check #00903594)

This letter constitutes notice that a permit will be required for your project pursuant to Chapter 403, Florida Statutes. Your application for permit modification is incomplete. This letter represents the first request for additional information in support of your permit application. Evaluation of your proposed project will be delayed until all items of requested information have been received. The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)].

Please provide revised submittals, or replacement pages to the submittals, that use a ~~strike-through~~ and underline format, or similar format, to facilitate review. Please also include the revision date as part of the header/footer for all revised pages (text, figures, tables, appendices, forms and site plans). The information requests have been referenced to the permit application form and sections of the supporting information, as presented below:

## **Part A – General Information**

1. **A.5.:** Please submit a revised application form for this item that identifies the DEP identification number for the facility is SWD/58/51614.

## **Part B – Disposal Facility General Information**

2. **B.1.:** It was indicated in this section of the application form that the pending permit modification proposed to delete installation of proposed replacement background wells MW-2R and MW-4R, and to relocate proposed replacement background well MW-1R at a location north and west of the cell. The location for proposed background well MW-1R appears to be inconsistent with the south-southwest direction of ground water flow described for the surficial aquifer across the landfill footprint (Cells 1-5) in the document entitled *Appendix A, Ground Water Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex, Sarasota County, Florida*, prepared by SCS Engineers, dated June 28, 2002, revised July 24, 2002. Please submit revisions to this item of the application form that describe the location of the proposed replacement background well MW-1R that is upgradient from and unaffected by the landfill footprint (Cells 1-5).

"More Protection, Less Process"

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s\_w/jrm/sarasota/corresp/sarasota\_central\_mod1.906

Part M – Water Quality and Leachate Monitoring Requirements (Rule 62-701.510, F.A.C.)

3. **M.1.c.(3) and M.1.c.(5):** Please note that the indication on page 3 of the application form that Part M is not applicable to the pending permit modification is incorrect. Please submit revised page 32 of the application form that references supplemental information to be provided regarding the proposed replacement background well for these two items of the application form, to address the following rule requirements:

- Rule 62-701.510(3)(c), F.A.C. – sufficient number of background wells shall be maintained throughout the design life of the landfill to provide information on background water quality;
- Rule 62-701.510(3)(d)3., F.A.C. – well spacing shall be no greater than 1,500 feet apart across the upgradient direction of ground water flow, in the uppermost aquifer within the zone of discharge, unless site conditions support the use of an alternate well spacing; and,
- Rule 62-701.510(3)(d)4., F.A.C. – well screens shall be located to readily detect representative ground water conditions within the saturated thickness of the uppermost aquifer within the zone of discharge; well screens shall not act as conduits through confining layers between water bearing strata; the annular space above the sampling depth shall be sealed to prevent contamination of samples and ground water; wells monitoring the unconfined water table shall be screened so that the water table can be sampled at all times; the applicant shall provide technical justification for the actual screen length chosen.

Please submit a replacement for Section 4 (Ground Water Sampling and Parameters) of the document entitled *Ground Water Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida*, prepared by SCS Engineers, dated June 28, 2002, revised July 29, 2002, with the appropriate revisions to provide the above-listed supplemental information regarding the proposed replacement background well(s). Please include a description of construction details for the proposed background well(s), including well screen interval length, top/bottom elevations for the well screen, and screen slot/sand pack sizes.

Please also submit a replacement for Figure 4-1 of this document to include the following:

- Locations and identification numbers for all existing monitor wells and piezometers [see SC #E.3.];
- Locations and unique identification numbers for all proposed monitor wells [i.e., proposed replacement background well(s)];
- Locations and identification numbers for all existing surface water sampling locations [see SC #E.9.c.];
- Locations and identification numbers for all existing staff gauge locations in the storm water ponds [see SC #E.9.b.];
- Locations and identification numbers for all existing landfill gas probes and landfill gas ambient monitoring locations [see SC #F.3.];
- Landfill Cell 1 through Cell 5; and,
- North arrow and scale.

Please **respond within 45 days** after you received this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 45 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.

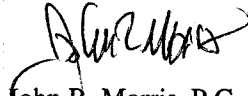
Mr. Frank Coggins  
Central County Solid Waste Disposal Complex, Class I Landfill  
Operating Permit #130542-002-SO, Pending Modification #130542-004


September 18, 2006  
Page 3 of 3

Please provide three copies of all permit application responses to the Department for review. Please provide all responses that relate to engineering or geological interpretation signed and sealed by the respective Florida-licensed professional.

Please contact me at (813) 632-7600, extension 336, if you have questions about this letter.

Sincerely,

  
John R. Morris, P.G.  
Solid Waste Section

cc: Paul Wingler, P.E., Sarasota County Environmental Services, Solid Waste Operations  
Joseph L. Miller, P.E., PBS&J, 482 South Keller Road, Orlando, FL 32810  
 Susan Pelz, P.E., FDEP Southwest District



## SARASOTA COUNTY

*"Dedicated to Quality Service"*

August 18, 2006

John Morris, P.G.  
Florida Department of Environmental Protection  
Southwest District Office  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

AUG 22 2006

SOUTHWEST DISTRICT  
TAMPA

Re: Central County Solid Waste Disposal Complex  
Minor Permit Modification – SO58-299180

Dear Mr. Morris:

Enclosed is a check for \$250.00 along with 1-original and 3-copies for our minor modification to our operations permit.

If you have any questions, please do not hesitate to contact me directly at (941) 861-1571, Cell (941) 650-4160, or e-mail at [fcoggins@scgov.net](mailto:fcoggins@scgov.net).

Sincerely,

Frank Coggins  
*Manager, Solid Waste Operations*

c: Gary Bennett, General Manager, Solid Waste  
Joseph Miller, PBS&J, - Orlando



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

DEP Form # 62-701,900(1)  
Form Title Solid Waste Management Facility Permit  
Effective Date 05-27-01

DEP Application No. \_\_\_\_\_  
(Filled by DEP)

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
AUG 22 2006  
SOUTHWEST DISTRICT  
TAMPA

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR A PERMIT TO CONSTRUCT,  
OPERATE, MODIFY OR CLOSE  
A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Sarasota County  
Central County Solid Waste Disposal Complex

Minor Modification to  
Delete Monitoring Wells MW-2R and MW-4R  
And Relocate MW-1R

August 1, 2006

U:\SO\OldG\WASTEMAN\SARASOTA\WA-14 New Wells for Central Landfill\minor mod appl.DOC

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

Northeast District  
7825 Baymeadows Way, Ste. B200  
Jacksonville, FL 32256-7590  
904-448-4300

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

Southwest District  
3804 Coconut Palm Dr.  
Tampa, FL 33619  
813-744-6100

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33901-3881  
941-332-6975

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

## **INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT**

### **I. General**

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, (FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

### **II. Application Parts Required for Construction and Operation Permits**

- A. Landfills and Ash Monofills - Submit parts A,B, D through T
- B. Asbestos Monofills - Submit parts A,B,D,E,F,G,J,L,N, P through S, and T
- C. Industrial Solid Waste Facilities - Submit parts A,B, D through T
- D. Non-Disposal Facilities - Submit parts A,C,D,E,J,N,S and T

**NOTE:** Portions of some parts may not be applicable.

**NOTE:** For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A,B,C and D type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

### **III. Application Parts Required for Closure Permits**

- A. Landfills and Ash Monofills - Submit parts A,B,M, O through T
- B. Asbestos Monofills - Submit parts A,B,N, P through T
- C. Industrial Solid Waste Facilities - Submit parts A,B, M through T
- D. Non-Disposal Facilities - Submit parts A,C,N,S and T

**NOTE:** Portions of some parts may not be applicable.

### **IV. Permit Renewals**

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility information that was submitted to the Department to support the expiring permit, and which is still valid, does not need to be re-submitted for permit renewal. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

PART A:	GENERAL INFORMATION - Submitted
PART B:	DISPOSAL FACILITY GENERAL INFORMATION - Submitted
PART C:	NON-DISPOSAL FACILITY GENERAL INFORMATION - Not Applicable
PART D:	PROHIBITIONS - Not Applicable
PART E:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL - Not Applicable
PART F:	LANDFILL PERMIT REQUIREMENTS - Not Applicable
PART G:	GENERAL CRITERIA FOR LANDFILLS - Not Applicable
PART H:	LANDFILL CONSTRUCTION REQUIREMENTS - Not Applicable
PART I:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS - Not Applicable
PART J:	GEOTECHNICAL INVESTIGATION REQUIREMENTS - Not Applicable
PART K:	VERTICAL EXPANSION OF LANDFILLS - Not Applicable
PART L:	LANDFILL OPERATION REQUIREMENTS - Not Applicable
PART M:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS - Not Applicable
PART N:	SPECIAL WASTE HANDLING REQUIREMENTS - Not Applicable
PART O:	GAS MANAGEMENT SYSTEM REQUIREMENTS - Not Applicable
PART P:	LANDFILL CLOSURE REQUIREMENTS - Not Applicable
PART Q:	CLOSURE PROCEDURES - Not Applicable
PART R:	LONG TERM CARE REQUIREMENTS - Not Applicable
PART S:	FINANCIAL RESPONSIBILITY REQUIREMENTS - Not Applicable
PART T:	CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER - Submitted

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STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE  
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

**A. GENERAL INFORMATION**

1. Type of facility (check all that apply):

☒ Disposal

☒ Class I Landfill

☐ Ash Monofill

☐ Class II Landfill

☐ Asbestos Monofill

☐ Class III Landfill

☐ Industrial Solid Waste

☐ Other Describe: \_\_\_\_\_

☐ Non-Disposal

☐ Incinerator For Non-biomedical Waste

☐ Waste to Energy Without Power Plant Certification

☐ Other Describe: \_\_\_\_\_

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;  
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;  
Compost Facilities should apply on Form 62-701.900(10), FAC; and  
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

☐ Construction

☒ Operation

☐ Construction/Operation

☐ Closure

3. Classification of application:

☐ New

☐ Substantial Modification

☐ Renewal

☐ Intermediate Modification

☒ Minor Modification

4. Facility name: Central County Solid Waste Disposal Complex

5. DEP ID number: S058-299180 County: Sarasota

6. Facility location (main entrance): North end Knights Trail Road

4000 Knights Trail Road, Nokomis, Florida 34275

7. Location coordinates:

Section: 9-16 Township: 38S Range: 19E

Latitude: 27<sup>0</sup> 12' 00" Longitude: 82<sup>0</sup> 23' 00"

8. Applicant name (operating authority): Sarasota County Solid Waste Operations  
Mailing address: 4000 Knights Trail Road Nokomis FL 34275  
Street or P.O. Box City State Zip  
Contact person: Frank Coggins Telephone: (941) 861-1571  
Title: Solid Waste Operations Manager  
E-Mail address (if available): fcoggins@scgov.net
9. Authorized agent/Consultant: PBS&J  
Mailing address: 482 South Keller Road Orlando FL 32804  
Street or P.O. Box City State Zip  
Contact person: Joe Miller Telephone: (407) 647-7275  
Title: Project Manager  
E-Mail address (if available): jlmiller@pbsj.com
10. Landowner(if different than applicant): N/A  
Mailing address: \_\_\_\_\_  
Street or P.O. Box City State Zip  
Contact person: \_\_\_\_\_ Telephone: (\_\_\_\_) \_\_\_\_\_  
E-Mail address (if available): \_\_\_\_\_
11. Cities, towns and areas to be served: Sarasota County
12. Population to be served:  
Current: 422,630 Five-Year Projection: 451,590
13. Date site will be ready to be inspected for completion: Not applicable
14. Expected life of the facility: 38 years years
15. Estimated costs:  
Total Construction: \$ N/A Closing Costs: NA
16. Anticipated construction starting and completion dates:  
From: N/A To: N/A
17. Expected volume or weight of waste to be received:  
N/A yds<sup>3</sup>/day Received 860 tons/day N/A gallons/day

**B. DISPOSAL FACILITY GENERAL INFORMATION**

1. Provide brief description of disposal facility design and operations planned under this application:

This application is for a minor permit modification to eliminate two of the three proposed new background wells for the Class I Landfill, which are MW-2R and M2-4R, and relocate MW-1R north and west of the cell between 100 and 400 feet to a higher and dryer location.

2. Facility site supervisor: Frank Coggins

Title: Solid Waste Operations Manager Telephone: (941) 861-1571

fcoggins@scgov.net

E-Mail address (if available)

3. Disposal area: Total 55 acres; Used 44 acres; Available 11 acres.

4. Weighing scales used: ☒ Yes ☐ No

5. Security to prevent unauthorized use: ☒ Yes ☐ No

6. Charge for waste received: N/A \$/yds<sup>3</sup> 63.77 \$/ton

7. Surrounding land use, zoning:

☒ Residential

☐ Industrial

☒ Agricultural

☐ None

☐ Commercial

☒ Other Describe: Government Use

8. Types of waste received:

☒ Residential

☒ C & D debris

☒ Commercial

☒ Shredded/cut tires

☐ Incinerator/WTE ash

☒ Yard trash

☒ Treated biomedical

☐ Septic tank

☒ Water treatment sludge

☒ Industrial

☐ Air treatment sludge

☒ Industrial sludge

☒ Agricultural

☒ Domestic sludge

☒ Asbestos

☐ Other Describe: \_\_\_\_\_

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No Trained operator: ☒ Yes ☐ No

11. Spotters: Yes ☒ No ☐ Number of spotters used: 1

12. Site located in: ☐ Floodplain ☐ Wetlands ☒ Other Uplands

13. Property recorded as a Disposal Site in County Land Records: ☐ Yes ☒ No
14. Days of operation: Monday through Saturday
15. Hours of operation: 8:00 a.m. to 5:00 p.m.
16. Days Working Face covered: Monday through Saturday
17. Elevation of water table: 16.5 to 20.0 (NGVD 1929)
18. Number of monitoring wells: 8
19. Number of surface monitoring points: 7
20. Gas controls used: ☒ Yes ☐ No Type controls: ☐ Active ☒ Passive  
Gas flaring: ☒ Yes ☐ No Gas recovery: ☐ Yes ☒ No
21. Landfill unit liner type:  
☐ Natural soils ☐ Double geomembrane  
☐ Single clay liner ☐ Geomembrane & composite  
☐ Single geomembrane ☐ Double composite  
☒ Single composite ☐ None  
☐ Slurry wall  
☐ Other Describe: \_\_\_\_\_
22. Leachate collection method:  
☒ Collection pipes ☐ Sand layer  
☒ Geonets ☐ Gravel layer  
☐ Well points ☐ Interceptor trench  
☐ Perimeter ditch ☐ None  
☐ Other Describe: \_\_\_\_\_
23. Leachate storage method:  
☒ Tanks  
☐ Surface impoundments  
☐ Other Describe: \_\_\_\_\_
24. Leachate treatment method:  
☐ Oxidation ☐ Chemical treatment  
☐ Secondary ☐ Settling  
☐ Advanced  
☐ None  
☒ Other Off-site treatment at a WWTP

25. Leachate disposal method:

- |  |  |
|--|--|
| <input type="checkbox"/> Recirculated        | <input checked="" type="checkbox"/> Pumped to WWTP   |
| <input type="checkbox"/> Transported to WWTP | <input type="checkbox"/> Discharged to surface water |
| <input type="checkbox"/> Injection well      | <input type="checkbox"/> Percolation ponds           |
| <input type="checkbox"/> Evaporation         |  |
| <input type="checkbox"/> Other _____         |  |

26. For leachate discharged to surface waters:

Name and Class of receiving water: N/A

27. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment: Retention ponds

Name and Class of receiving water: Cow Pen Slough, Class III

28. Environmental Resources Permit (ERP) number or status: 407932.01

T. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

1. Applicant:

The undersigned applicant or authorized representative of Sarasota County

Environmental Services Solid Waste Operations is aware that statements made in this form and attached information are an application for a minor modification to the Landfill Operation Permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his/her knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and the Department will be notified prior to the sale or legal transfer of the permitted facility.

Frank Coggins  
Signature of Applicant or Agent  
Frank Coggins  
Manager, Solid Waste Operations  
Name and Title (please type)

fcoggins@scgov.net  
E-Mail address (if available)

4000 Knights Trail Road  
Mailing Address

Nokomis FL 34275  
City, State, Zip Code

(941) 861-1571  
Telephone Number

Date: August 1, 2006

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

This is to certify that the engineering features of this solid waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.

P. Q. Wingler  
Signature

Paul Wingler  
Solid Waste Engineer  
Name and Title (please type)

01235  
Florida Registration Number  
(please affix seal)

4000 Knights Trail Road  
Mailing Address

Nokomis, Florida 34275  
City, State, Zip Code

pwingler@scgov.net  
E-Mail address (if available)

(941) 861-1578  
Telephone Number

Date: August 2, 2006

# Memorandum

## Florida Department of Environmental Protection

### PERMIT COVER MEMO

TO: NO X J. M. Farley, Interim District Director

FROM/THROUGH:

William Kutash WKR

Susan Pelz, P.E. SP

ENVIRONMENTAL ADMINISTRATOR  
SOLID WASTE PROGRAM MANAGER

DATE: July 10, 2006

FILE NAME: Sarasota Central County LF  
PROGRAM : Solid Waste

Modification #130542-003-SO/MM to  
PERMIT #: 130542-002-SO/01  
COUNTY : Sarasota

TYPE OF PERMIT ACTION: ISSUE

**PERMIT SUMMARY:** This permit modification authorizes construction of a leachate forcemain and pump station on the SCCCSWD site. Leachate will be discharged directly to the City of Venice WWTP. The majority of this project is off-site and has been permitted by Sarasota County delegated water supply program, and FDEP ERP section.

PROFESSIONAL RECOMMENDATION: X APPROVE      DENY

**EVALUATION SUMMARY:** The applicant has provided the required documentation. Financial assurance is not required for this modification.

Total processing time (TIH)= 74 days (to 07/10/06)

Department processing time (TTP)= 70 days (to 07/10/06)

		TTP
Application received	04/26/06	
RAI #1 sent	05/23/06	28
Response to RAI #1 rec'd	05/30/06	
Application complete	05/30/06	
Final permit routing for signature	07/10/06	42

DAY 90/30 FOR THIS ACTION IS: ASAP - day 90-8/27/06



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

CERTIFIED MAIL 7004 0750 0003 0516 4813  
RETURN RECEIPT REQUESTED

July 11, 2006

## NOTICE OF PERMIT

Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Manager  
4000 Knights Trail Road  
Nokomis, Fl. 34275

RE: Sarasota Central County Solid Waste Disposal Complex (SCCSWDC)  
Class I Landfill, Leachate forcemain & pump station  
Modification #130542-003-SO/MM to existing  
Operation Permit Number 130542-002-SO/01, Sarasota County

Dear Mr. Bennett:

Attached is modified Operation Permit 130542-002-SO/01, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 130542-003-SO/MM:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
A.2.f.	N/A	New	New permit documentation for leachate forcemain & pump station
B.1.c.	N/A	New	Authorizes construction of leachate forcemain & pump station at SCCSWDC site
C.8.f.	Existing	Amended	Clarifies that primary leachate disposal will be piped to City of Venice WWTP
C.8.h.	N/A	New	Clarifies that leaks from forcemain piping & pumps shall not be discharged to the environment
D.1., D.2.c., D.4.a., E.10, E.11	Existing	Amended	New SWD office address

"More Protection, Less Process"

Printed on recycled paper.



This letter and its attachments constitute a **complete permit** and **replace** all previous permits and permit modifications for the above referenced facility.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;

(e) A statement of the ultimate facts alleged, including a statement of the specific facts, which the petitioner contends, warrant reversal or modification of the Department's action or proposed action;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

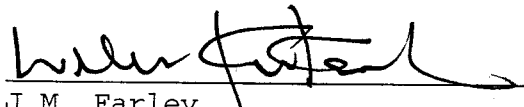
A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
J.M. Farley  
Interim District Director  
Southwest District

JMF/sjp

Enclosures

cc: Sarasota County Officials/Notification List  
Frank Coggins, Landfill Manager, Sarasota County, 4000 Knights Trail Road,  
Nokomis, Fl. 34275  
C. P. Pete Putman, P.E., PBSJ, 2803 Fruitville Rd, Ste. 130, Sarasota,  
Fl. 34237-5367  
Richard Tedder, P.E., FDEP Tallahassee  
Pat Comer, OGC Tallahassee  
Fred Wick, P.E., FDEP Tallahassee  
Jeff Greenwell, P.E., FDEP Tampa, Water Facilities  
CeCe McKiernan/Terry Cartwright, FDEP Tampa, WaRM  
(Permit Notebook) FDEP Tampa

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies  
that this **NOTICE OF PERMIT** and all copies were mailed before the close  
of business on July 11, 2006 to the listed persons.  
(date stamp)

FILING AND ACKNOWLEDGMENT  
FILED, on this date, pursuant  
to Section 120.52(10), Florida  
Statutes, with the designated  
Department, Clerk, receipt of  
which is hereby acknowledged.

AquasBaird 7/11/2006  
Clerk Date



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

## PERMITTEE

Sarasota County  
Solid Waste Operations  
Mr. Gary Bennett, General Mgr  
4000 Knights Trail Road  
Nokomis, Florida 34275

## PERMIT/CERTIFICATION

WACS ID No: SWD/58/51614  
Permit No: **130542-002-SO/01**  
Date of Issue: **07/20/2005**  
Expiration Date: **07/20/2010**  
County: Sarasota  
Lat/Long: 27°12'11"N  
82°23'16"W  
Sec/Town/Rge: 1-4, 9-16/38S/19E  
Project: Central County Solid Waste  
Disposal Complex (CCSWDC),  
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-330, 62-520, 62-522, 62-550, and 62-701. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate, monitor and maintain a Class I landfill - Phase 1 (**approximately 55 acres**), and related facilities, referred to as the Central County Solid Waste Disposal Complex, subject to the specific and general conditions attached, for the management and disposal of solid waste, located at the north end of Knights Trail Road, 2 miles east of I-75, northeast of Venice, Sarasota County, Florida. The specific conditions attached are for the operation of a:

1. Class I Landfill
2. Leachate Storage Tank, and special waste management

General Information:	
Disposal acres	55 acres (5 disposal units - "Cells")
Lowest elevation	+24 feet NGVD (Cell 5 sump)
Bottom liner design	Composite, 60 mil HDPE on one foot of clay
LCS design (sideslope risers)	Geonet/geotextile, rock/8-inch HDPE LCS piping, 24" sand
LDS design	none
Leachate storage tank	Single concrete tank, 1.8 MG, concrete secondary containment [ref. Operation Plan, §L.2.h.2., Attachment L-7]
Final elevation (including cover)	+121 feet NGVD [ref. SC#A.2.b, Sheet 2]
Slopes	3H:1V sideslopes, 4% top slope [ref. SC#A.2.b., Sheet 3]

Includes Modification #130542-003-SO/MM, dated 07/11/2006.

This permit contains compliance items summarized in **Attachment 1** that shall be complied with and submitted to the Department by the dates noted. If the compliance dates are not met and submittals are not received by the Department on the dates noted, enforcement action may be initiated to assure compliance with the conditions of this permit.

"More Protection, Less Process"

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

**GENERAL CONDITIONS:**

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

**GENERAL CONDITIONS:**

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

(a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

(b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

(c) Records of monitoring information shall include:

- 1. the date, exact place, and time of sampling or measurements;
- 2. the person responsible for performing the sampling or measurements;
- 3. the dates analyses were performed;
- 4. the person responsible for performing the analyses;
- 5. the analytical techniques or methods used;
- 6. the results of such analyses.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Mgr.

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

**GENERAL CONDITIONS:**

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

1. **Landfill Designation.** This site shall be classified as a **Class I Landfill**, and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-302, 62-330, 62-520, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for **operation** of the Class I landfill and related appurtenances in accordance with in accordance with all applicable requirements of Department rules and the reports, plans and information submitted by SCS Engineers, Inc. [SCS] (unless otherwise noted), as follows:

a. Document entitled Operation Permit Renewal Application - Central County Solid Waste Disposal Complex, (3-ring bound document) dated February 28, 2002 (received March 1, 2002) as revised, replaced or amended (information inserted into original) June 28, 2002, July 26, 2002 (received July 29, 2002), September 20, 2002, May 2, 2003, May 28, 2003, April 1, 2004, June 4, 2004 (received June 7, 2004), and November 18, 2004, including, but not limited to:

- 1) Operations Plan (Section L);
- 2) Groundwater Monitoring Plan Addendum (Section M);
- 3) Stormwater berm sideslope stability information (Section J).

b. Plan Sheets titled, Sarasota County Central County Solid Waste Disposal Complex Operations Drawings,... (11" x 17" Sheets 1 through 17, including 13A, B, C and D) dated March 2004 (received April 1, 2004) including revised sheets inserted into original received June 7, 2004 and full-size set received February 10, 2005;

c. Geotechnical Evaluation, Hydrogeological Survey and Groundwater Monitoring Plan, Sarasota Central Landfill Complex, Sarasota County, Florida, (spiral bound document) dated March 10, 1992 (received June 28, 2002) prepared by Ardaman & Associates, Inc.

d. Appendix A, Groundwater Monitoring Plan Evaluation, Central County Solid Waste Disposal Complex,... (3-ring bound document), dated June 28, 2002, including information (inserted into original) received July 29, 2002.

e. Information concerning Citizen Convenience Center dated May 27, 2005 (received June 1, 2005) (inserted into Operations Plan [ref. SC#A.2.a(1)]), prepared by PBSJ, including plan sheets titled, Central County Landfill Citizen's Convenience Center,... Mar. 2005 (7 sheets) (received April 21, 2005) and Sheet 4 received June 1, 2005 (inserted into set).

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.2., cont'd)

f. Information concerning construction of the leachate forcemain to City of Venice WWTP (collated into a spiral bound document- except as noted), including:

1) Sarasota County Central County Landfill Leachate Forcemain and Pump Station Construction Project Bid No. 6125JW, dated October 2005, signed and sealed April 26, 2006 (received April 27, 2006), including revised information received May 30, 2006 (inserted into original),

2) Application form dated April 26, 2006 (received May 30, 2006),

3) Domestic Wastewater Collection/Transmission System information received April 27, 2006;

4) The following operational information (inserted into document listed in SC#A.2.a(1)):

a) Section L.2.h.2 of the *Operations Plan*, received April 27, 2006,

b) revised Leachate Water Balance Form received May 30, 2006,

c) Revised Section L.8.d. of the *Operations Plan* received May 30, 2006.

5) Construction Plans for the Central County Landfill Leachate Force Main and Pump Station, dated July 2005, prepared by PBSJ (received April 21, 2006) (39 sheets- not collated into spiral document), including revised sheets 26, 28 and 29 received May 30, 2006.

**New 07/11/2006.**

**3. Permit Modifications.**

a. Any construction or operation not previously approved as part of this permit shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. Any significant changes to the operations at the facility shall require a permit modification. Permits shall be modified in accordance with the requirements of Rule 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

b. This permit authorizes the **operation** of the Phase I, Class I disposal facility, the leachate storage tank system and related appurtenances.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

4. **Permit Renewal.** No later than January 15, 2010, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by Rule 62-701.320(10), F.A.C. Operation permit renewal shall include, but not be limited to, an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.
5. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
6. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.
7. **Permit Acceptance.** By acceptance of this Permit, the Permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.
8. **Regulations.** Chapter 62-701, F.A.C., effective May 27, 2001, is incorporated into this permit by reference. In the event that the regulations governing this permitted operation are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.
9. **Prohibitions.**
  - a. The prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this facility.
  - b. In the event that surface depressions which may be indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified in accordance with Specific Condition #C.6.b, below. Written notification shall be submitted **within 7 days of discovery**. The written notification shall include a description of the depression, the location and size of the depression shown on an appropriate plan sheet, and a corrective action plan which describes the actions necessary to prevent the unimpeded discharge of waste or leachate into ground or surface water.

**SPECIFIC CONDITIONS: PART A, Solid Waste Facility General Requirements**

(Specific Condition #A.9., cont'd)

c. Waste Burning. Open burning of solid waste is prohibited except in accordance with Rule 62-701.300(3) and Chapter 62-256, F.A.C. All fires which require longer than one (1) hour to extinguish must be promptly reported to the Department in accordance with Specific Condition #C.6.b., below.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

**1. Construction.**

a. All significant construction activities shall be approved by the Department prior to initiating work, unless specifically authorized otherwise.

b. This permit authorizes the construction of the Citizen Convenience Center [ref. SC#A.2.e].

c. Leachate force main and pump station.

1) This permit authorizes the construction of the portions of the leachate forcemain and related appurtenances that are located at the Sarasota Central County Landfill site in accordance with the information listed in Specific Condition #A.2.f., above.

2) Operation of the constructed systems shall not require a modification of this permit. However, operation shall not be authorized until the Certification of Construction Completion information required by Specific Condition B.2., below, is approved by the Department.

**New 07/11/2006.**

**2. Certification of Construction Completion.** All information required by this Specific Condition shall be signed and sealed by a registered professional engineer or land surveyor as appropriate. At the completion of construction, information listed below shall be provided to the Department as part of the Certification of Construction Completion.

a. **Within sixty (60) days** after any specified construction has been completed or as otherwise specified in this permit, the following activities shall be completed:

1) The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer responsible for the construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

2) The owner or operator shall submit Record Drawings/Documents showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Documents shall include as-built plans details and elevations (survey) as appropriate.

3) The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and certification by the design engineer to the Department.

**SPECIFIC CONDITIONS: PART B - Construction Requirements**

(Specific Condition B.2.a., cont'd)

- 4) The engineer of record shall provide a report to verify conformance with the project specifications. The report including all related testing results shall be submitted to the Department along with the completion of construction documents.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**1. Facility Operation Requirements.**

a. The permittee shall operate this facility in accordance with Rule 62-701.500, F.A.C.; the information listed in Specific Condition #A.2., above; and any other applicable requirements.

b. Waste shall not be disposed (unloaded, spread, or compacted) during non-daylight hours, unless sufficient lighting is provided to adequately assess the materials and remove unacceptable wastes.

c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner and leachate management systems at any time during the construction or operation of this facility.

d. The permittee shall clearly stake/mark the location of the edge of the liner and maintain the locations as the landfill increases in elevation to prevent waste disposal and leachate runoff outside the geomembrane liner. The markers shall be of a sufficient size or design that effectively prevents waste disposal in unauthorized areas. The staking/markers shall be maintained at all times throughout the operation of the facility. Waste shall not be disposed within ten feet of the edge of the liner.

e. Top gradients of intermediate cover shall be designed to prevent ponding or low spots and minimize erosion. **Daily**, the owner or operator shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas. Ruts from traffic and heavy equipment that may cause ponding shall be regraded at the end of each working day.

f. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner.

g. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. At a minimum, spotting shall occur at the working face from the ground (i.e. while off of the equipment) while waste is being disposed. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the *Operations Plan* [ref. SC#A.2.a(1)].

h. Site Inspections.

1) The owner or operator shall inspect the site for erosion and settlement (low spots and improperly graded areas) daily on operating days. Erosion and settlement shall be repaired in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.1.h., cont'd)

- 2) The owner or operator shall inspect the landfill facility for the presence of objectionable odors at the property boundary **daily on operating days**. In the event that objectionable odors are detected at the property boundary, the owner or operator shall abate the odors in accordance with Specific Condition #C.5.
  - 3) The owner or operator shall inspect the normal traffic areas of the facility for litter **daily**. The property boundaries shall be inspected for litter **at least weekly**. Litter shall be collected and disposed of in the Class I landfill, **at least once per day**, or more often as necessary. In the event that the litter control program is ineffective, the operator shall notify the Department, and implement additional litter control measures **within 30 days**.
  - i. In the event of fire, hurricane or other severe natural event, inoperable equipment, lack of qualified personnel, or stormwater control problems which allow prolonged (**greater than 72 hours**) contact of ponded water with waste, the facility shall cease disposing waste in the affected area until appropriate drainage has been restored.
  - j. Equipment. In the event of equipment breakdown or scheduled maintenance, the owner or operator shall ensure that sufficient reserve equipment is operating at the site **within 48 hours** of the occurrence [ref. SC#A.2.a(1), §L.2.b.1.]. In the event that sufficient reserve equipment is not obtained within 48 hours, the permittee shall notify the Department in accordance with Specific Condition #C.6.b., below and provide a schedule for corrective actions.
  - k. Fires. In the event of a fire which requires offsite assistance from the local fire protection authorities, the Department shall be notified pursuant to Specific Condition #C.6.b. below, and the owner or operator shall cease disposal of waste in the affected area until the fire has been completely extinguished, or as otherwise specified by the Department. Trenches cut into the waste shall not be used to extinguish the fire without prior Department approval.
2. **Operating Personnel.**
- a. The owner or operator shall be responsible for operating and maintaining the facility in an orderly, safe, and sanitary manner.



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.2., cont'd)

- b. Sufficient trained personnel shall be available, to adequately operate the facility in compliance with this permit and Department rules. As required by Rule 62-701.500(1), F.A.C., at least one trained operator shall be at the Class I landfill at all times when the landfill receives waste. At least one trained spotter shall be at the working face when waste is received and unloaded, to inspect each load of waste from the ground (while off of the equipment), and to identify and properly manage prohibited materials.
  - c. The permittee shall notify the Department in writing of a change of the County's primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.
3. **Control of Access.** Access to, and use of, the facility shall be controlled as required by Rule 62-701.500(5), F.A.C. Adequate access to the working face shall be provided for all weather conditions while the facility is receiving waste for disposal.
4. **Monitoring of Waste.**
  - a. Wastes shall be monitored as required by Rule 62-701.500(6), F.A.C., including a load checking program and associated activities. The owner or operator shall conduct three random load checks per week at the active working face. Documentation of the three random load checks, including descriptions (type and quantity) of unacceptable wastes discovered, shall be maintained on-site, and copies provided to the Department upon request. Load checks shall document the occurrence, type of unacceptable wastes, removal and disposition of unauthorized wastes discovered in the loads.
  - b. The permittee shall not accept hazardous waste or any hazardous substance at this site. Hazardous wastes are wastes listed in 40 CFR 261 Subpart D as hazardous or are wastes characterized in 40 CFR 261 Subpart C as hazardous. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with Rules 62-701.300(4) and 62-701.500(6)(b), F.A.C. In the event that hazardous wastes are discovered, the Department shall be notified in accordance with Specific Condition #C.6.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.4., cont'd)

c. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.

d. Sludges generated from onsite processes (e.g., stormwater or leachate system maintenance) shall be dewatered and adequately characterized as nonhazardous prior to disposal.

**5. Control of Nuisance Conditions.**

a. The owner or operator shall control odors, vectors (mosquitoes, other insects, rodents), and fugitive particulates (dust, smoke) arising from the operation so as to protect the public health and welfare. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance.

b. In the event that the odor control measures performed at the facility, do not sufficiently abate objectionable odors offsite, the owner or operator shall submit an odor abatement plan to the Department **within sixty (60) days** of initial detection. The odor abatement plan shall include at a minimum, a description of the proposed corrective actions and a schedule for implementation.

**6. Facility Maintenance and Repair.**

a. The site shall be properly maintained including maintenance of access roads to disposal areas, equipment, stormwater and leachate management systems, cover systems and berms, gas monitoring system, surface water monitoring system, and groundwater monitoring system. Erosion and ponded water in disposal areas shall be prevented.

b. In the event of damage to any portion of the landfill site facilities, unauthorized leachate discharge, failure of any portion of the landfill systems (including damaged or dry groundwater monitoring wells), fire, explosion, the development of sinkhole(s) or other subsurface instability at the site, the permittee shall **immediately (within 24 hours)** notify the Department explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. **Written, detailed notification shall be submitted to the Department within seven (7) days following the occurrence.** Routine maintenance does not require notification but shall be noted on daily reports.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.6., cont'd)

c. In the event that any portion of the groundwater monitoring system is damaged or unable to be sampled, corrective actions shall be completed **within sixty (60) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department. Corrective actions which include relocation or installation of new groundwater monitoring wells shall be in accordance with Specific Condition #E.5., or as otherwise approved by the Department.

d. In the event that the stormwater or leachate management systems are damaged or are not operating effectively, corrective actions shall be implemented **within thirty (30) days** of the written notification specified in Specific Condition #C.6.b., unless otherwise approved by the Department.

e. Intermediately covered areas, or areas which discharge to the stormwater management system, which exhibit significant erosion shall be repaired as indicated in the Operation Plan, §L.7.k. [ref. SC#A.2.a(1)], and this specific condition. For the purposes of compliance with this Specific Condition, "significant" means that:

1) The soil cover materials have eroded such that greater than 50% of the soil cover in that location has been eroded. **Repair within 7 days of detection; or**

2) Waste or liner is exposed. **Repair within 48 hours of detection**, or by the close of the next business day, whichever occurs first.

f. Areas which have received final cover, and which exhibit significant erosion as defined above, shall be repaired **within 72 hours of detection**.

g. Settlement. Areas which exhibit settlement (low spots and improperly graded areas) that may cause ponding of water shall be repaired (additional soil placed, regraded, seeded and/or sodded) **within seven (7) days**.

**7. Stormwater Management.**

a. This site shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water from running onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet the requirements of Chapter 62-330, F.A.C., Rule 62-701.500(10), F.A.C., and any other applicable Department rules or requirements of the water management district.

b. The permittee shall operate the facility, maintain grades, or utilize berms and swales, to prevent ponded water within the disposal areas.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.7., cont'd)

c. All stormwater conveyance structures, inlets, overflow structure, and ponds shall be inspected weekly and following all storm events of 0.5 inches or greater [ref. *Operation Plan*, §L.2.h.3.]. Documentation of the findings of these inspections shall be kept and a copies of this documentation available for Department inspection upon request.

**8. Leachate Management.**

a. Leachate shall be managed in accordance with the requirements of Rule 62-701.500(8), F.A.C., the *Operation Plan* [ref. SC#A.2.a(1)], and other applicable Department rules.

b. Leachate and potentially contaminated stormwater which has accumulated in low areas within the disposal area shall be removed **daily** for disposal, and shall not be recirculated into the landfill as described in the *Operation Plan* [ref. SC#A.2.a(1), see §L.2.h.3. and Attachment L-3, Figures L-6 and L-7]. In the event that permittee elects to recirculate leachate into the landfill, a minor modification shall be requested pursuant to Specific Condition #A.3.

c. Leachate Collection and Removal System (LCRS)  
Inspections/Maintenance.

1) **Between July 15, 2009 and December 15, 2009**, an inspection (videotape or other appropriate assessment as approved by the Department) of the leachate collection system (LCS) shall be conducted. A report for this inspection shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan drawn to scale) and cause of all obstructions encountered, proposed corrective actions and schedule for implementation of corrective actions as appropriate. The permittee shall retain a copy of the videotape at the facility for reference. **No later than January 15, 2010**, a final report summarizing the inspection results (with a copy of the inspection report) and describing the related corrective actions (repairs) if required (with photographic documentation for all repairs and a copy of the inspection videotape) shall be submitted to the Department to verify adequate performance of the leachate collection and removal system. The final report shall be signed and sealed by a professional engineer. The permittee shall retain a copy of the final report, each inspection report and inspection videotape at the facility for reference, and shall provide a copy to the Department upon request.

2) Unless otherwise specified in this permit, the leachate collection and removal system components shall be inspected and maintained as described in the *Operation Plan* [ref. SC#A.2.a(1)].

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c., cont'd)

3) The leachate level indicators at the leachate storage tank shall be inspected **at least once each business day**, or more frequently if needed, to ensure proper operation.

4) The operation of each pump, related sensors and controller mechanisms, and pump stations shall be verified on each operating day. Pumps showing reduced performance shall be removed for maintenance and repair, and a replacement pump installed if required for continued compliance.

5) In the event that the pumps, pump stations or level sensors are not operating as designed, the Department shall be notified in accordance with Specific Condition #C.6.b. Otherwise, documentation of all inspections shall be kept on file at the facility, and provided to the Department upon request.

6) Upon the discovery of any defective (obstructed, separated, deformed) portion of the leachate collection system, the disposal of waste in the affected area shall cease in the affected area until the leachate collection system performance has been restored. Construction of improvements to any part of the LCRS, including significant repairs to the leachate collection system, may require a permit modification pursuant to Specific Condition #A.3. The design and related supporting documents for the construction of improvements shall be substantially equivalent to those required for new construction.

7) Leachate tank inspections.

a) The exposed exterior of the leachate storage tank shall be inspected **at least weekly** for defects, leaking and other deficiencies. The containment area, truck loadout area, and other leachate tank system appurtenances shall be inspected at least daily for leakage or other damage.

b) **Within sixty (60) days** of the date of issuance of this permit, the permittee shall provide a copy of the interior tank inspection report that was conducted in 2004.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8.c(7), cont'd)

c) The leachate storage tank system shall be inspected as required by Rule 62-701.400(6)(c)9., F.A.C., and in accordance with the conditions of this permit. **No later than February 1, 2007 and February 1, 2010**, the interior of the tank shall be inspected. A copy of the inspection report shall be submitted to the Department **within 30 days** of the inspection. In the event that deficiencies are noted in the inspection report, **within fifteen (15) days** of the owner's receipt of the written inspection report, the owner or operator shall propose corrective measures (including a schedule for implementation) to the Department. The deficiencies shall be corrected in accordance with the schedule approved by the Department.

d) Liquids that accumulate in the tank secondary containment area shall be tested as described in the *Operation Plan* [ref. SC#A.2.a(1)], Section L.2.h.2. Records of these test results shall be maintained on-site and provided to the Department upon request.

d. Leachate quantities.

1) In the event of a failure of leachate metering or pumping equipment which is not corrected **within 24 hours of detection**, the Department shall be notified, and corrective actions implemented in accordance with Specific Condition #C.6.

2) Leachate generation reports shall be compiled monthly and submitted to the Department **quarterly, by January 15th, April 15th, July 15th and October 15th each year**. Leachate generation reports shall include precipitation amounts, the number of open, intermediate and closed acres, leachate levels (elevations) in the leachate piezometer, and the quantities of leachate collected, stored, and hauled off-site to a wastewater treatment facility.

e. No later than **thirty (30) days** prior to the expiration of any contracts or agreements for the disposal of leachate at wastewater treatment facilities, the permittee shall provide a copy of the contract renewal or the issuance of a new contract for leachate disposal.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.8., cont'd)

f. After construction and approval of the certification of the leachate forcemain, the primary leachate disposal method shall be pumping directly to City of Venice WWTP [ref. SC#A.2.f.]. However, leachate may be hauled to other disposal facilities as a contingency measure. In the event that the primary leachate disposal facility becomes unable or unwilling to accept leachate for disposal, **within three (3) days** of the cessation of leachate acceptance by the POTW, the landfill owner or operator shall notify the Department and shall explain the contingency measures which will be implemented. The contingency measures shall be implemented **within seven (7) days** of the cessation of leachate acceptance at the POTW or in accordance with an alternate schedule approved by the Department.

**Amended 07/11/2006.**

g. The Class I disposal area shall be operated to limit the leachate head to one foot above the liner as described in Section L.8. of the *Operations Plan*.

h. Leachate shall not be discharged to the environment from leaks, spills or other unpermitted discharges from the forcemain piping or pumps. The concrete pad around the leachate forcemain piping and pumps does not include curbing or sumps to prevent leachate spills from discharging from the pad (see Response #4.c(4), ref. SC#A.2.f). In the event that the leaks, spills or other evidence of leachate discharge is observed at the facility, corrective actions shall be required to ensure that appropriate procedures and/or designs are used to prevent discharge of leachate to the environment.

**New 07/11/2006.**

9. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with the **Operation Plan** [ref. SC#A.2.a(1), Figure L-1, §L.2.c., and Landfill Recycling Plan, Attachment L-13] and with Rules 62-701.300(8) and 62-701.520, F.A.C., and any other applicable Department rules, to protect the public safety, health and welfare. The special wastes shall be stored and managed such that residues or other contaminants are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters. The special wastes shall be handled on a first-in, first-out basis. The special wastes shall be stored in a location which does not interfere with the sequence of filling.

a. Wastes which may include residual contaminants (such as gasoline, oil, paint, antifreeze, PCBs, etc.) shall be stored and managed such that the residues or constituents thereof are not spilled, leaked, dumped, or otherwise discharged onto the soil or into surface or groundwaters.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

b. Special wastes (such as lead acid batteries, white goods, etc.), found at the working face, shall be stored in locations which do not adversely affect the sequence of filling, and shall be managed as described in the *Operations Plan*. These wastes shall be removed from the site for proper recycling or disposal at the frequency described in the *Operation Plan* and this permit, unless another frequency for removal is approved in writing by the Department.

c. Asbestos. Asbestos shall be managed in accordance with Rule 62-701.520(4), F.A.C., the *Operation Plan*, and all other applicable federal and Department rules. The asbestos shall be covered by a minimum of six (6) inches of soil or a suitable thickness of other materials to prevent the rupture of the asbestos bags prior to additional loads of waste being disposed in the same location.

d. Contaminated Soil. Contaminated soil shall be disposed within the working area and shall have representative analytical results demonstrate that the material is not hazardous and that the material has been adequately dewatered prior to delivery so that the material passes the paint filter test.

e. White Goods and lawn mowers. The white goods shall be removed from the site **at least monthly (every 30 days)**. White goods which may contain chlorofluorocarbons (CFCs, such as freon), shall be stored and managed in a manner such that the CFCs are not discharged to the atmosphere. White goods which have had the refrigerant appropriately removed, and lawn mowers that have had oil and gasoline appropriately removed, shall be clearly marked. A maximum of 1250 (total) white goods and lawn mowers may be stored at the site at any time.

f. Lead acid batteries. Lead acid batteries shall be removed from the site **at least monthly (every 30 days)**. The batteries shall be stored in a manner which prevents the discharge of contaminants to the environment. A maximum of 30 lead acid batteries may be stored onsite at any time.

g. Yard Waste. Yard waste shall be managed in accordance with the *Operations Plan*, Rule 62-701.320, F.A.C., and the facility's yard trash processing Facility registration. Bagged yard trash or land clearing debris shall not be mulched at the site unless the bags are removed prior to mulching. Mixtures of mulched yard trash/land clearing debris and soil may be used for sideslope stabilization and erosion control in the Class I Landfill.

h. Tires. Waste tires shall be removed from the working face and shall be stored as shown on Figure L-1. Waste tires shall be managed in accordance with permit #126775-001-WT, or its successors, and shall be stored in a manner which prevents nuisance conditions and vectors (i.e. mosquitoes, rats, etc.).



**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.9., cont'd)

i. Electronics. Electronics to be recycled shall be stored in an undamaged condition, and removed at least **monthly (every 30 days)**. Electronics that have been damaged (i.e., broken) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least **monthly (every 30 days)**. A maximum of 1000 electronic devices may be stored at the site at any time.

j. Household Hazardous Waste (HHW). Household hazardous waste shall be managed in accordance with the *Operations Plan* [ref. SC#A.2.a(1), Figure L-1, §L.2.c.] and shall be removed from the site for proper disposal **at least monthly**.

1) HHW shall be identified, and then segregated for storage within the containment areas by the end of each working day.

2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.

3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.

4) HHW received at the facility shall be stored within containment areas at all times.

k. Citizen Convenience Center. The Citizen Convenience Center shall be constructed and operated as described in the *Operation Plan* [ref. SC#A.2.a(1) and A.2.e.].

10. **Waste Handling Requirements.** All solid waste disposed of in the Class I landfill shall be covered as required by Rule 62-701.500(7), F.A.C.

a. Initial Cover. Initial cover shall be applied and maintained at the end of each working day in the Class I landfill in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.

1) All solid waste disposed of in the Class I landfill must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department (in writing), at the end of each working day. Working areas which have received initial cover and exhibit erosion which results in exposed waste shall be repaired **by the end of the next working day**.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10.a., cont'd)

2) Materials which have been previously used for intermediate or initial cover shall not be re-used for intermediate cover unless the materials were separated from the waste by a minimum 6-inch initial cover and did not contact waste or leachate. These materials may be re-used as initial cover provided the runoff from these areas is managed as leachate.

3) Runoff from areas with initial cover may be considered uncontaminated stormwater only if the area

- a) is adequately covered with a tarp or rain cell cover; OR
- b) has 6-inches of soil (not ADCM) cover with no visible waste exposed, AND
- c) has no evidence of leachate seepage, AND
- d) has no evidence of erosion.

b. Intermediate Cover. Intermediate cover shall be applied and maintained in accordance with Rules 62-701.500(7)(a) and (f), F.A.C. Cover materials other than soil (unless identified herein) shall not be used for intermediate cover without prior written Department approval.

1) An intermediate cover of 12 inches of compacted soil in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion.

2) Contaminated soils shall not be used for intermediate cover. These materials may be used for initial cover provided the runoff from these areas is managed as leachate. Analyses of the contaminated soils which demonstrate that the soils are not hazardous shall be maintained on-site, and copies provided to the Department upon request.

3) A mixture of soil and screened compost or mulch (1/2 inch screen, 25% soil, 75% compost/mulch) may be used for intermediate cover [ref. *Operation Plan*, §L.7.g.].

4) **Sod shall be applied within 30 days** to all intermediately covered (external) sideslope areas that have reached designed dimensions.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

(Specific Condition #C.10., cont'd)

c. Alternate daily (initial) cover materials (ADCM) shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, the following materials are approved for use as alternate initial cover: tarps; tire chips; 50/50 mixtures of soil/mulch or soil/compost; 50/50 mixtures of shredded asphalt shingles and soil; shredded C&D debris or RSM [see *Operation Plan*, §L.2.g., §L.7., §L.7.e., and Attachment L-10]. Other Department- approved ADCM may be used as initial cover only, but shall not be used outside of lined areas without specific prior Department approval. Yard trash (compost or mulch), screened or unscreened, and then mixed in the ratio of 50% compost (or mulch) to 50% soil, and applied in a six (6) inch compacted layer, may be used as initial or intermediate cover. The processed yard trash shall not contain particles greater than six inches and shall not contain plastic.

**11. Working Face.**

a. As required by Rule 62-701.500(7)(d), F.A.C., the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area.

b. Waste shall be spread and compacted in accordance with the *Operation Plan*. Slopes shall be maintained in accordance with the *Operations Drawings*. The working face and all above grade slopes shall be no greater (steeper) than **3H:1V** [ref. SC#A.2.a(1), §L.2.f.].

c. Berms and/or swales shall be maintained to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the working face area will not be considered stormwater if the flow passes over areas which have not been intermediately covered as defined by Rule 62-701.200(55), F.A.C., and stabilized to control erosion.

**12. Method and Sequence of Filling.**

a. The method and sequence of filling shall be in accordance with *Operations Drawings* [ref. SC#A.2.b.], and as described in the *Operation Plan* [ref. SC#A.2.a(1)], or as otherwise approved in writing by the Department.

**SPECIFIC CONDITIONS: PART C - Operation Requirements**

**13. Reuse of Leachate for Dust Control.**

a. Small quantities of leachate may be reused within the active cells as an alternate dust control measure in accordance with Section L.11.d., of the *Operation Plan* [ref. SC #A.2.a(1)]. The landfill operator shall monitor the rate of leachate application, soil (cover material) moisture conditions, and the specific landfill areas used to prevent the generation of leachate runoff. Leachate shall only be reused for dust control under the following conditions:

- 1) Leachate may only be sprayed on active, bermed, disposal areas, including the working face and areas with the required six (6) inches of initial cover with a maximum slope of 10H:1V;
- 2) Leachate shall not be sprayed on areas with intermediate or final cover or within 150 feet of a sideslope steeper than 4H:1V;
- 3) The areas receiving leachate shall be controlled at all times to prevent run-off from entering the stormwater system;
- 4) Leachate shall not be sprayed when the application area is in a saturated condition (as evidenced by ponding water or pumping soils) or during a rainfall event;
- 5) The application rate of leachate must be such that the leachate does not accumulate on the landfill surface but infiltrates quickly into the covered refuse;
- 6) Leachate shall not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying shall be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized; and
- 7) Leachate shall not be reused or sprayed outside the lined disposal area.

b. The following shall be recorded each day leachate is reused for dust control:

- 1) Quantity of leachate sprayed (gal/day);
- 2) Rainfall onsite (inches/day and time/duration of rainfall occurrence); and
- 3) Observed runoff of leachate to retention area (yes/no, inspection time and quantity if yes).

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

1. **Report submittals.** Unless otherwise specified, all submittals, notifications, requests for permit modification, reports for compliance with this permit, etc. shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

2. **Operation Plan and Operating Record.**

a. Each landfill owner or operator shall have an operational plan which meets the requirements of Rule 62-701.500(2), F.A.C. A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. Operating records as required by Rule 62-701.500(3), F.A.C., are part of the operations plan, and shall also be maintained at the site.

b. Proposed changes to the current Department-approved Operation Plan [ref. SC#A.2a(1)] shall be submitted in writing to the Department for review and may require a permit modification in accordance with Specific Condition #A.3. The Operation Plan shall be updated as operations change and for renewal of the permit. Revised pages shall be provided as replacement pages with revisions noted (deletions may be struckthrough ~~(struckthrough)~~ and additions may be shaded (shaded) or a similar method may be used) and each page numbered with the document title and date of revision.

c. Unless specified otherwise in this permit, all submittals, notifications, requests for permit modification, etc. shall be provided to the Southwest District Solid Waste Section, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

d. The following reports, documents and other information shall be kept at the facility for reference, and copies shall be provided to the Department upon request:

- 1) Waste quantity reports required by Rule 62-701.500(4), F.A.C.
- 2) A log of the facility operator's daily and weekly inspections, and any subsequent corrective actions;
- 3) Load checking records;
- 4) A list of incidents of disposal of contaminated soil or other industrial wastes or sludges. This list should include the generator's name and address, and a description of the waste disposed; and

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

(Specific Condition #D.2.d., cont'd)

5) Operator and spotter training certificates and other documentation;

6) Log of odor complaints and corrective action; and

7) Records as described in Rule 62-701.500(13). These records shall include all certifications for construction completion.

8) Log of discharges from leachate storage tank secondary containment area [ref. *Operation Plan*, §L.2.h.2.].

e. Capacity Report. The owner or operator shall conduct a topographic survey of, and shall estimate the remaining disposal capacity and site life of each disposal area as required by Rule 62-701.500(13)(c), F.A.C. **Annually, no later than April 15<sup>th</sup> each year,** a copy of this survey, supporting capacity calculations, signed and sealed by a registered professional engineer and/or licensed professional land surveyor as appropriate shall be submitted to the Department. The survey shall demonstrate that the above-grade sideslopes are no greater than the design exterior sideslopes (3H:1V), that the top elevation does not exceed design elevation, and that all other design features and related improvements conform to the Department-approved ***Operations Drawings***.

**3. Waste Records.**

a. Waste records shall be maintained as required by Rule 62-701.500(4), F.A.C. The owner or operator of the facility shall weigh each load of waste as it is received (with scales at the facility) and record, in tons per day, the amount of waste debris and material received. This information shall be compiled **monthly** and submitted to the Department (Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, Florida 32399-2400) **quarterly, by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup> and October 15<sup>th</sup> of each year.** Waste shall not be accepted for disposal at the landfill unless weight scales are available at the facility and are in proper working condition.

b. Records shall be kept for all recycled electronics, including the quantities sent to each recycler, and related receipts with the name and address of each recycler.

**SPECIFIC CONDITIONS: PART D - Recordkeeping**

4. **Financial Assurance.** The permittee shall provide adequate financial assurance for this facility and related appurtenances in accordance with Rule 62-701.630, F.A.C.

a. All costs for closure shall be adjusted and submitted for approval **annually, by September 1<sup>st</sup> each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

b. Proof that the financial mechanism has been adequately funded shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

5. **Closure Plan.** No later than ninety (90) days prior to the date when wastes will no longer be accepted in the active landfill, the owner or operator shall submit an updated closure and long term care plan to the Department to reflect any changes in the Closure and Long Term Care Plan due to actual operational conditions at the facility.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**1. Water Quality Monitoring Quality Assurance.**

a. All field work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) described in DEP-SOP-001/01 (February 1, 2004), as referenced in Rule 62-160.210(1), F.A.C. All laboratory analyses done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms that hold certificates from the Department of Health Environmental Laboratory Certification Program under Chapter 64E-1, F.A.C., as referenced in Rule 62-160.300(1), F.A.C. The SOPs utilized and the laboratory's list of certified test methods and analytes must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit. Alternate field procedures and laboratory methods may be used if approved according to the requirements of Rules 62-160.220 and 62-160.330, F.A.C., respectively.

b. The field testing, sample collection and preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with the requirements of and methods approved by the Department in accordance with Rule 62-4.246 and Chapter 62-160, F.A.C. Approved methods published by the Department or as published in Standard Methods, or by A.S.T.M., or EPA methods shall be used.

**2. Zone of Discharge.**

a. The zone of discharge for this landfill shall extend horizontally 100 feet from the limits of the landfill liner or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to Rule 62-520.420, F.A.C., and that the minimum criteria listed in Rule 62-520.400, F.A.C., will not be exceeded outside the footprint of the landfill.



**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**3. Ground Water Monitor Well Locations.** The ground water monitoring plan is described in the submittal entitled Groundwater Monitoring Plan Addendum, Central County Solid Waste Disposal Complex, Sarasota County, Florida [ref. SC# A.2.a(2)]. The active monitor well locations for the facility shown on Figure L-1, prepared by SCS Engineers, received November 18, 2004 (**attached**), are described as follows:

<u>Well No.</u>	<u>WACS Testsite ID No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1R *	20585	Surficial	Background	See Figure
L-1				
MW-2R *	20586	Surficial	Background	↓
MW-4R *	20587	Surficial	Background	↓
MW-8A *	21455	Surficial	Detection	↓
MW-9	4509	Surficial	Detection	↓
MW-10R	4510	Surficial	Detection	↓
MW-11R *	20588	Surficial	Detection	↓
MW-12R *	20589	Surficial	Detection	↓
MW-1 **	4501	Surficial	Abandoned	↓
MW-2 **	4502	Surficial	Abandoned	↓
MW-4 **	4504	Surficial	Abandoned	↓
MW-8 **	4508	Surficial	Abandoned	↓
MW-11 **	4511	Surficial	Abandoned	↓
MW-12 **	4512	Surficial	Abandoned	↓
MW-3	4503	Surficial	Piezometer	↓
MW-5	4505	Surficial	Piezometer	↓

\* = to be installed **within 90 days of permit issuance** in accordance with the construction details provided in Tables 4-1a and 4-1b of the Groundwater Monitoring Plan Addendum dated June 28, 2002, revised July 24, 2002, except for the construction details for well MW-8A provided in the SCS Engineers letter dated and received November 18, 2004; documentation of well construction details as indicated in Specific Condition No. E.5.b., shall be submitted **within 30 days of well installation**; initial sampling shall be conducted **within 7 days of well installation** and development in accordance with Specific Condition No. E.4.b.; results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

\*\* = to be abandoned **within 90 days of permit issuance**; documentation of well abandonment as indicated in Specific Condition No. E.6., shall be submitted **within 30 days of well abandonment**.

An updated survey drawing as described in Specific Condition No. E.5.d., shall be submitted **within 30 days of installation** of the proposed wells (MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R); this drawing shall also include the locations and elevations for the existing wells (MW-9 and MW-10R) and piezometers (MW-3 and MW-5) to comply with the responses to review comments provided in the letter prepared by SCS Engineers dated March 31, 2004.

All wells are to be clearly labeled and easily visible at all times. The permittee should keep all wells locked to minimize unauthorized access.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**4. Ground Water Sampling.** The locations, parameters, and frequencies specified herein represent the minimum requirements for ground water monitoring. Additional samples, wells, and parameters may be required based upon subsequent analysis. Method Detection Limits must be reported at or below the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-520, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

**a.** Ground water elevations shall be measured at all active wells and piezometers listed in Specific Condition No. E.3., for all sampling events described in Specific Condition Nos. E.4.b., E.4.c., and E.9.d., to a precision of 0.01 foot. The water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well and piezometer, and surface water elevations (feet NGVD) calculated for each pond.

**b.** An initial sampling event at wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R shall be conducted **within 7 days of well installation and development** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix II</b>	

Results of initial sampling shall be submitted **within 30 days of receipt** from the analytical laboratory.

**c.** The background wells (MW-1R, MW-2R and MW-4R) and detection wells (MW-8A, MW-9, MW-10R, MW-11R and MW-12R) shall be sampled **semi-annually** for analysis of the following parameters:

**Field Parameters**

Static water levels  
before purging  
Specific conductivity  
pH  
Dissolved oxygen  
Temperature  
Turbidity  
Colors & sheens  
(by observation)

**Laboratory Parameters**

Total ammonia - N	Calcium
Bicarbonate	Iron
Carbonate	Magnesium
Chlorides	Mercury
Nitrate	Potassium
Sulfate	Sodium
Total dissolved solids (TDS)	
Those parameters listed in	
40 CFR Part 258, <b>Appendix I</b>	

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**5. Ground Water Monitor Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

a. Prior to construction of all new or replacement wells (excluding wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R) the permittee shall request and receive Department approval of a minor permit modification.

b. Construction details (record drawings) for all new or replacement wells and piezometers shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (**attached**).

c. **Within one week of well completion and development**, each new or replacement well shall be sampled for the parameters listed in Rules 62-701.510(8)(a) and 62-701.510(8)(d), F.A.C.

d. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all monitoring wells and piezometers (active and abandoned), horizontally located in degrees, minutes and seconds of latitude and longitude, and showing the elevation of the top of the well casing to the nearest 0.01 foot, National Geodetic Vertical Datum. The surveyed drawing shall include the monitor well identification numbers, locations and elevations of all permanent benchmarks and/or corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

**6. Well Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan and not listed in Specific Condition No. E.3., are to be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing well/piezometer locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

**7. Verification/Evaluation Monitoring.** If at any time monitoring parameters are reported in the detection wells at concentrations significantly above background water quality, or exceed the Department's water quality standards or minimum criteria, the permittee has 30 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

8. **Leachate Sampling.** Leachate samples shall be collected from each landfill cell that contains waste ("active cell"). Representative leachate samples (unfiltered) shall be collected from the sampling ports at the leachate pump valve boxes for each active cell as shown on Figure L-1A prepared by SCS Engineers, received September 20, 2002 (**attached**):

<u>Leachate Sample ID No.</u>	<u>Landfill Cell</u>	<u>WACS Testsite ID No.</u>
C-1	Cell No. 1	20580
C-2	Cell No. 2	20581
C-3	Cell No. 3	20582
C-4	Cell No. 4	20583
C-5	Cell No. 5	20584

Leachate sampling shall be conducted in accordance with the Department's SOPs to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C. A composite leachate sample may be prepared from the samples collected from the leachate sampling ports at each active cell for analysis of the **inorganic parameters only** in accordance with the procedure described in Section 2 of the Groundwater Monitoring Plan Addendum, [ref. SC#A.2.a(2)]. Otherwise, individual leachate samples shall be collected from the leachate sampling ports for each active cell for analysis of the following parameters:

a. **Semi-annual** leachate sampling shall be conducted for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>	
Specific conductivity	Total ammonia - N	Calcium
pH	Bicarbonate	Iron
Dissolved oxygen	Carbonate	Magnesium
Colors & sheens	Chlorides	Mercury
(by observation)	Nitrate	Potassium
	Sulfate	Sodium
	Total dissolved solids (TDS)	

b. **Annual** leachate sampling shall be conducted during the second half of each year for analysis of the parameters listed in Specific Condition No. E.8.a., plus the parameters listed in 40 CFR Part 258, Appendix II.

c. If the leachate analyses indicate that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate **monthly** sampling and analysis of the parameters listed in Specific Condition No. E.8.b., and shall notify the Department in writing. Results of the monthly leachate sampling shall be submitted **within 30 days of receipt from the analytical laboratory.** If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**9. Surface Water Sampling.**

a. All surface water bodies that may be affected by a contaminant release at the facility shall be monitored, except bodies of water contained completely within the property boundaries of the site which do not discharge from the site to surface waters (Rule 62-701.510(4), F.A.C.). The locations, parameters, and frequencies specified herein represent the minimum requirements for surface water monitoring. Additional samples, sampling locations, and parameters may be required based upon subsequent analysis. Method Detection Limits must be less than or equal to the criteria for each parameter established in Chapter 62-302, F.A.C., to demonstrate compliance with Class III (predominantly fresh water) surface water standards. Compliance with surface water criteria will be based on analysis of unfiltered samples.

b. Surface water elevations shall be measured at the staff gauges located in Pond Nos. 1 through 7 as shown on Figure L-1 prepared by SCS Engineers, received September 2, 2004 (**attached**), to a precision of 0.01 feet for all sampling events described in Specific Condition Nos. E.4.b., E.4.c., and E.9.d.

c. Surface water sample collection points shall be located as shown on Figure L-1 prepared by SCS Engineers, received November 18, 2004 (**attached**), as follows:

<u>Surface</u> <u>Water ID No.</u>	<u>WACS Testsite</u> <u>ID No.</u>	<u>Location</u>
B2	4519	Old Cow Pen Slough, upstream location
B4R	20060	Old Cow Pen Slough, downstream location

In accordance with Rule 62-701.510(4)(c), F.A.C., the monitoring stations shall be marked and their positions shall be determined by a registered Florida land surveyor in degrees, minutes and seconds of latitude and longitude.

d. **Semi-annual** surface water sampling shall be conducted at station Nos. B2 and B4R in accordance with Rule 62-701.510(6)(e), F.A.C., for analysis of the following parameters:

<u>Field parameters</u>	<u>Laboratory parameters</u>	
Specific conductivity	Chlorophyll A	Nitrate
pH	Total hardness	Total nitrogen
Dissolved oxygen	Total phosphates	Unionized ammonia
Turbidity	Calcium	Biochemical oxygen demand (BOD <sub>5</sub> )
Temperature	Copper	Chemical oxygen demand (COD)
Colors and sheens	Iron	Total organic carbon (TOC)
(by observation)	Magnesium	Total dissolved solids (TDS)
Surface water	Mercury	Total suspended solids (TSS)
elevation	Potassium	Fecal coliform
	Sodium	Bicarbonate
	Zinc	Carbonate
		Sulfate

Those parameters listed in 40 CFR Part 258, Appendix I

**SPECIFIC CONDITIONS: PART E - Water Quality Monitoring Requirements**

**10. Water Quality and Leachate Reporting Requirements.** All leachate, surface water and ground water quality monitoring results shall be reported on Department Form 62-522.900(2), Groundwater Monitoring Report (**attached**). The permittee shall submit to the Department the analytical results of the leachate samples (Specific Conditions Nos. E.8.a., and E.8.b.), surface water samples (Specific Condition No. E.9.d.) and ground water samples (Specific Condition No. E.4.c.) **by January 15<sup>th</sup> and July 15<sup>th</sup> of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a water surface contour map representing conditions at the time of ground water and surface water sampling and a summary of any water quality standards or criteria that are exceeded. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.  
**Amended 07/11/2006.**

**11. Monitoring Plan Evaluation.** By February 1, 2007 and no later than August 1, 2009, the permittee shall submit an evaluation of the water quality monitoring data. The periods of time to be covered by the evaluations are summarized below:

<u>Water Quality Monitoring Data Evaluation Due Date</u>	<u>Starting Sampling Event</u>	<u>Ending Sampling Event</u>
February 1, 2007	Second Half 2001	Second Half 2006
August 1, 2009	First Half 2007	First Half 2009

The evaluations shall include the applicable information as listed in Rule 62-701.510(9)(b), F.A.C., and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of ground water contamination. Any ground water contamination that may be reported shall be addressed as part of evaluation monitoring conducted at the facility in accordance with Rule 62-701.510(7), F.A.C. The evaluations shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

**Amended 07/11/2006.**

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

**1. Landfill Gas - NSPS and Title V Air Requirements.**

a. This solid waste permit will meet the statutory requirement to obtain an air construction permit before modifying or constructing a source of air pollution, except for those landfills that are subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. Facilities that are subject to the PSD requirements shall obtain an air construction permit from the Bureau of Air Regulation prior to beginning construction or modification pursuant to Rule 62-210.400, F.A.C.

b. The permittee shall comply with any applicable Title V air operation permit application requirements of Chapter 62-213, F.A.C., and 40 CFR 60, Subparts WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Title V Permit applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill.

c. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000, any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

**2. Gas Monitoring and Control.**

a. Landfills that receive degradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation. Landfill gas shall be monitored and controlled as required by Rule 62-701.530, F.A.C.

b. Landfill gas shall be monitored to demonstrate compliance with the criteria established in Rule 62-701.530(1)(a), F.A.C., (less than 25% of the lower explosive limit (LEL) for combustible gases in structures and less than 100% of the LEL for combustible gases at or beyond the property boundary).

c. The results of quarterly monitoring required by Rule 62-701.530(2)(c), F.A.C., shall be submitted to the Department by the following dates:

**Measured During**

Quarter 1  
Quarter 2  
Quarter 3  
Quarter 4

**Report Submitted By**

April 15<sup>th</sup> of each year  
July 15<sup>th</sup> of each year  
October 15<sup>th</sup> of each year  
January 15<sup>th</sup> of each year

**SPECIFIC CONDITIONS: PART F - Landfill Gas Management**

3. **Gas Monitoring Locations.** The enclosed structures and gas monitoring locations shown on Figure L-1, prepared by SCS Engineers, received November 18, 2004 (**attached**), shall be sampled at least quarterly for concentrations of combustible gases determined as a percent of the LEL calibrated to methane, as described in Rule 62-701.530(2), F.A.C.

<u>Monitoring Point</u>	<u>Location</u>	<u>Location Description</u>
GP-1	Figure L-1	West boundary of landfill cells
GP-2	↓	North boundary of landfill cells
GP-3	↓	East boundary of landfill cells
GP-7	↓	North of C&D processing area
GM-1	↓	Contractor's maintenance building and yard
GM-2	↓	C&D processing area
GM-3	↓	County maintenance building
GM-4	↓	Administration building
GM-5	↓	Scale house
GM-7	↓	Control panel at leachate storage facility

Gas monitoring probes GP-1, GP-2, GP-3 and GP-7 are to be clearly labeled and easily visible at all times.

4. **Gas Remediation.** If the results of gas monitoring show that combustible gas concentrations exceed 25% of the LEL calibrated to methane in structures or 100% of the LEL calibrated to methane at the property boundary, the permittee shall immediately take all necessary steps to ensure protection of human health and notify the Department. **Within 7 days** of detection, a gas remediation plan detailing the nature and extent of the problem and the proposed remedy shall be submitted to the Department for approval. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.



**SPECIFIC CONDITIONS: PART G - Closure and Long-Term Care Requirements**

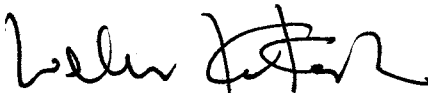
1. **Closure Permit Requirements.** No later than ninety (90) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure design dimensions, the landfill owner or operator shall submit a closure permit application to the Department, to assure conformance with all applicable Department rules. A closure permit is required prior to implementing closure related activities.
2. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) within 180 days after reaching design dimensions, in accordance with Rule 62-701.500(7)(g), F.A.C. and all applicable requirements of Department rules.
3. **Long-Term Care Requirements.**
  - a. The permittee shall perform long-term care for the facility in accordance with Rule 62-701.620, F.A.C., and the information referenced in Specific Condition #A.2.a.
  - b. Long-term care includes, but is not limited to, water quality, leachate and gas monitoring, maintenance of the final cover system, maintenance of the leachate collection and removal system, erosion control, and the prevention of ponding within disposal areas.
4. **Use of Closed Landfill Areas.**
  - a. There are no currently closed areas of the Class I landfill.
  - b. Use of closed landfill areas requires consultation with and approval by the Department prior to conducting these activities in accordance with Rule 62-701.610(7), F.A.C. The Department retains regulatory control over any activities which may affect the integrity of the environmental protection measures such as the landfill cover, drainage, final cover materials (soil and vegetation), leachate collection system, bottom liner, monitoring systems or stormwater controls. A plan detailing the proposed activities and evaluation of the potential effects on the landfill systems (including engineering designs, calculation and plans, as appropriate) shall be submitted for Department review to comply with the requirements of the Department's document entitled "Guidance for Disturbance and Use of Old Closed Landfills or Waste Disposal Areas in Florida", dated May 3, 2001, or successor document.

PERMITTEE: Sarasota County Solid Waste Operations  
Mr. Gary Bennett, General Mgr.

PERMIT NO: 130542-002-SO/01  
Central County SW Disposal Complex

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

*for*   
\_\_\_\_\_  
J. M. Farley  
Interim District Director  
Southwest District

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
A.4.	No later than January 15, 2010	Submit permit renewal application
A.9.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of sinkholes or subsurface instability  Written notification & corrective action plan
B.2.a.	Within 60 days of completion	Submit certification of construction completion, record drawings, etc.
C.6.b.	Within 24 hours of discovery  Within 7 days of verbal notification	Notification of: hazardous waste receipt, failure of landfill systems or equipment  Written notification & corrective action plan
C.6.c.	Within 60 days of written notification	Complete corrective actions for gradient or groundwater monitoring system
C.6.d.	Within 30 days of written notification	Implement corrective actions for leachate management system
C.8.c(1)	No later than January 15, 2010	Submit final leachate assessment report, videotape, inspection results, etc.
C.8.c(7)(b)	Within 60 days of permit issuance	Submit copy of tank inspection report for 2004
C.8.c(7)(c)	By February 1, 2007 and February 1, 2010	Conduct inspection of interior of tank
C.8.d(2)	Quarterly, by January 15 <sup>th</sup> April 15 <sup>th</sup> July 15 <sup>th</sup> October 15 <sup>th</sup> each year	Submit leachate generation reports  Submit gas monitoring results
F.2.c.		
D.2.e.	Annually, by April 15 <sup>th</sup> each year	Submit Topographic survey & remaining capacity calculations
D.4.a.	Annually, by September 1 <sup>st</sup> each year	Submit revised cost estimates
D.4.b.	Annually	Submit proof of funding

ATTACHMENT 1

Specific Condition	Submittal Due Date	Required Item
E.3.	Within 90 days of permit issuance	Install wells MW-1R, MW-2R, MW-4R, MW-8A, MW-11R, MW-12R
E.3.	Within 30 days of installation	Provide well construction information
E.3., E.4.b.	Within 7 days of well development	Conduct initial sampling for MW-1R, MW-2R, MW-4R, MW-8A, MW-11R and MW-12R
E.3.	Within 30 days of receipt of results	Submit initial sampling results
E.3.	Within 30 days of installation	Submit updated survey of all wells and piezometers
E.4.c.	Semi-annually	Sample background, detection and downgradient wells
E.5.a.	Prior to installation of new wells	Request permit modification, Provide construction details for wells
E.5.	Within 90 days of installation of new wells	Submit well construction details and survey
E.5.c.	Within 1 week of well development	Conduct initial sampling
E.6.	Within 30 days of abandonment	Submit documentation of abandonment
E.8.a.	Semi-annually	Conduct leachate sampling
E.8.b.	Annually	Conduct leachate sampling
E.9.d.	Semi-annually	Conduct surface water monitoring
E.10.	Semi-annually, by January 15 <sup>th</sup> and July 15 <sup>th</sup> each year	Submit water quality monitoring analyses (SC#E.4.c., E.8.a., E.8.b., E.9.d.)
E.11.	By February 1, 2007 and by August 1, 2009	Submit water quality monitoring plan evaluations
F.4.	Within 7 days of detection	Submit gas remediation plan
	Within 60 days of detection	Complete corrective actions
G.1.	No later than 90 days prior to the date when wastes will no longer be received	Submit Closure Permit application

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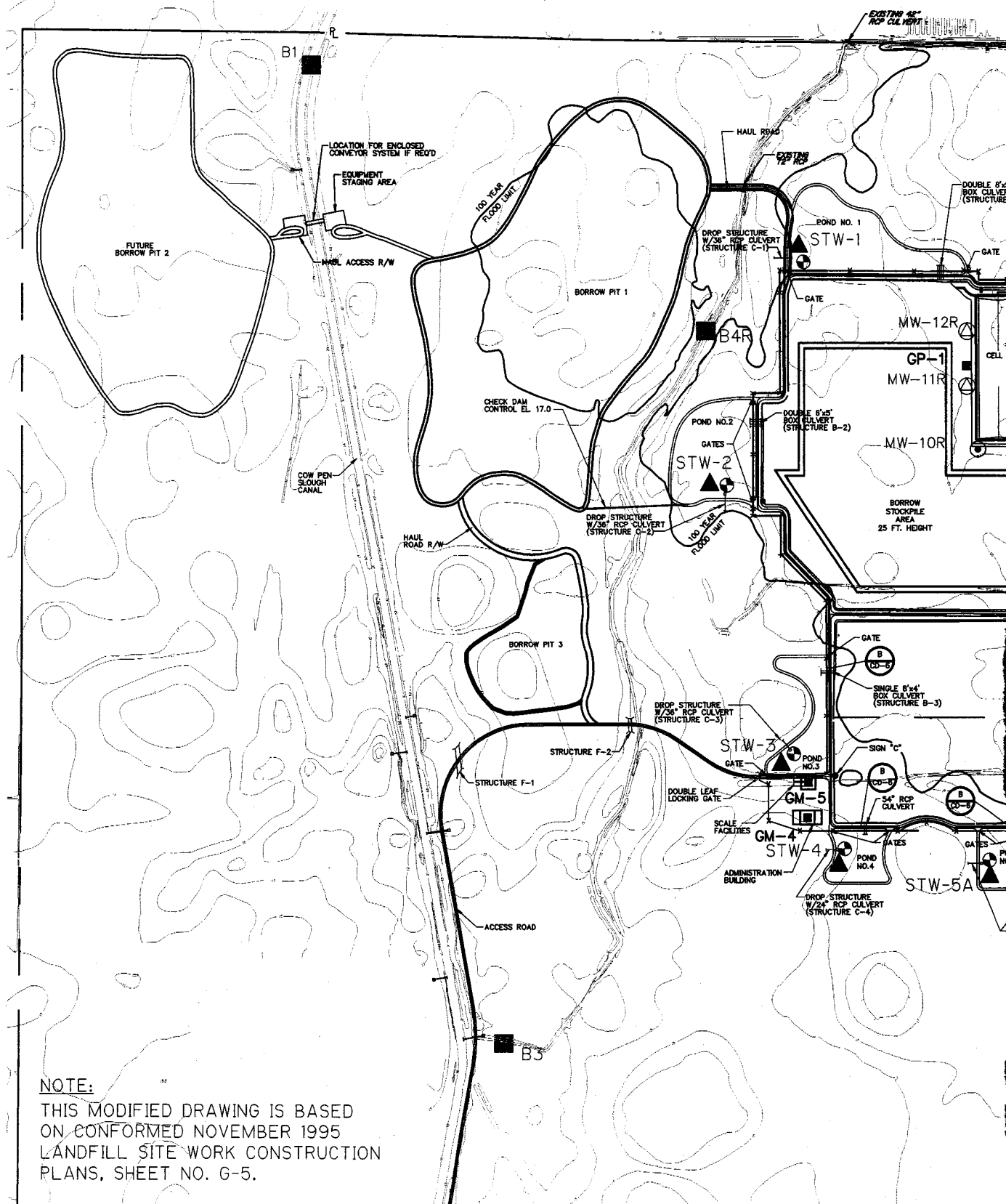


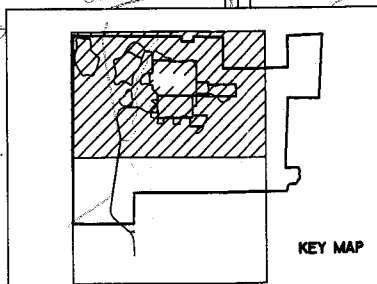
Figure L-1. Site Plan, Central County Solid Waste

**D.E.P.**  
 NOV 18 2004  
 Southwest District Tampa

1" = 1200'  
 600 0 1200

### LEGEND

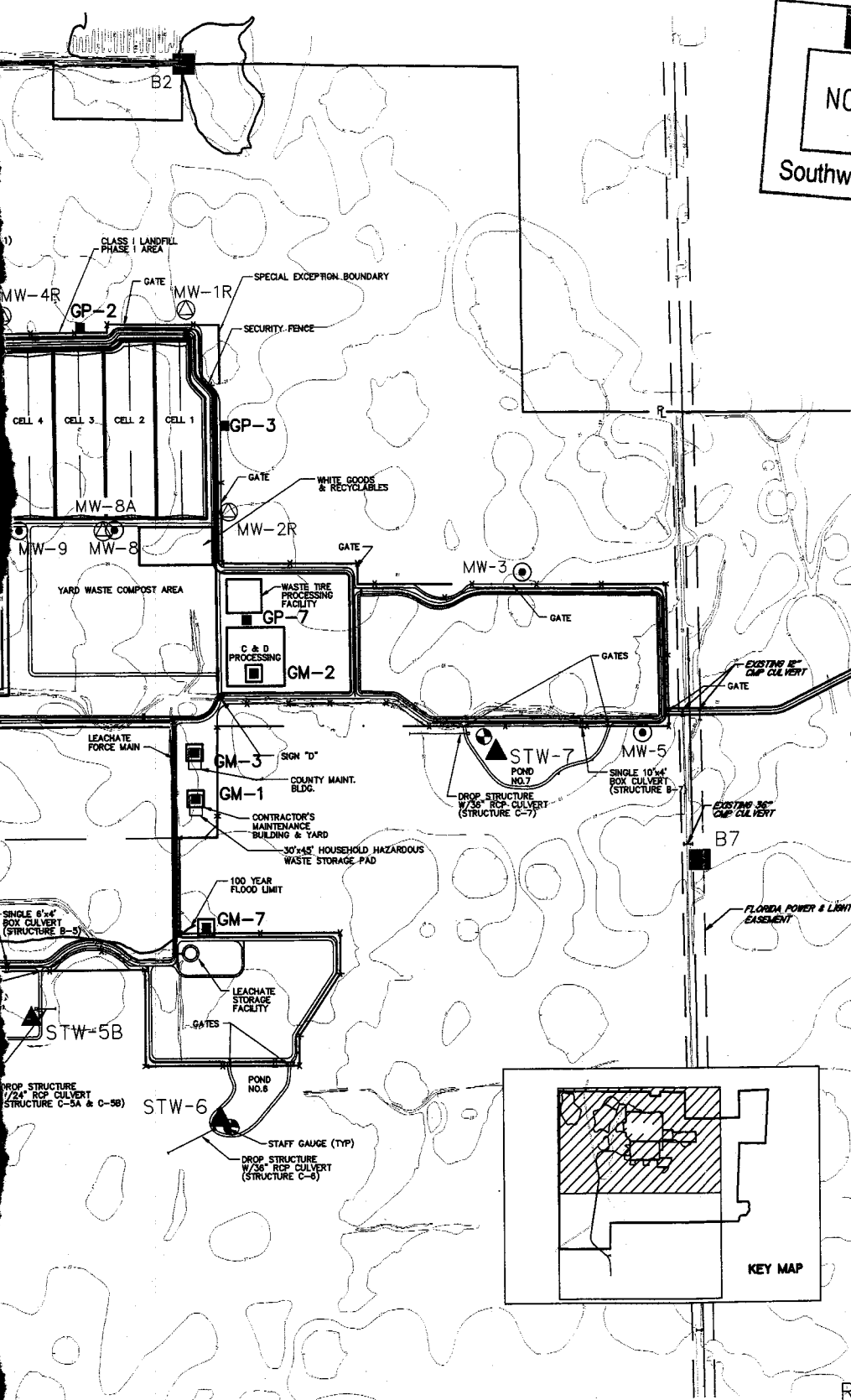
- STAFF GAUGE LOCATION
- EXISTING MONITOR WELL LOCATIONS
- SURFACE WATER MONITORING STATIONS
- ▲ STORMWATER MONITORING STATIONS
- GM-1 GAS MONITORING LOCATIONS
- GP-1 GAS PROBES
- MW-1R PROPOSED REPLACEMENT MONITORING WELL



*John B. [Signature]*  
 11-18-04

REVISED ON 11/18/04

SCS ENGINEERS



G:\PROJECT\Sarasota\09201010.01\cells.dwg Aug 16, 2002 - 5:44pm Layout Name: Layout1 Bx: 2190keq

C-1

**LEGEND**  
 LOCATION OF LEACHATE PUMP VALVE BOX

**NOTE:**  
 SOURCE: MODIFIED FROM CDM,  
 1996 OPERATION PERMIT APPLICATION  
 SHEET NO. 1. DECEMBER 1996.

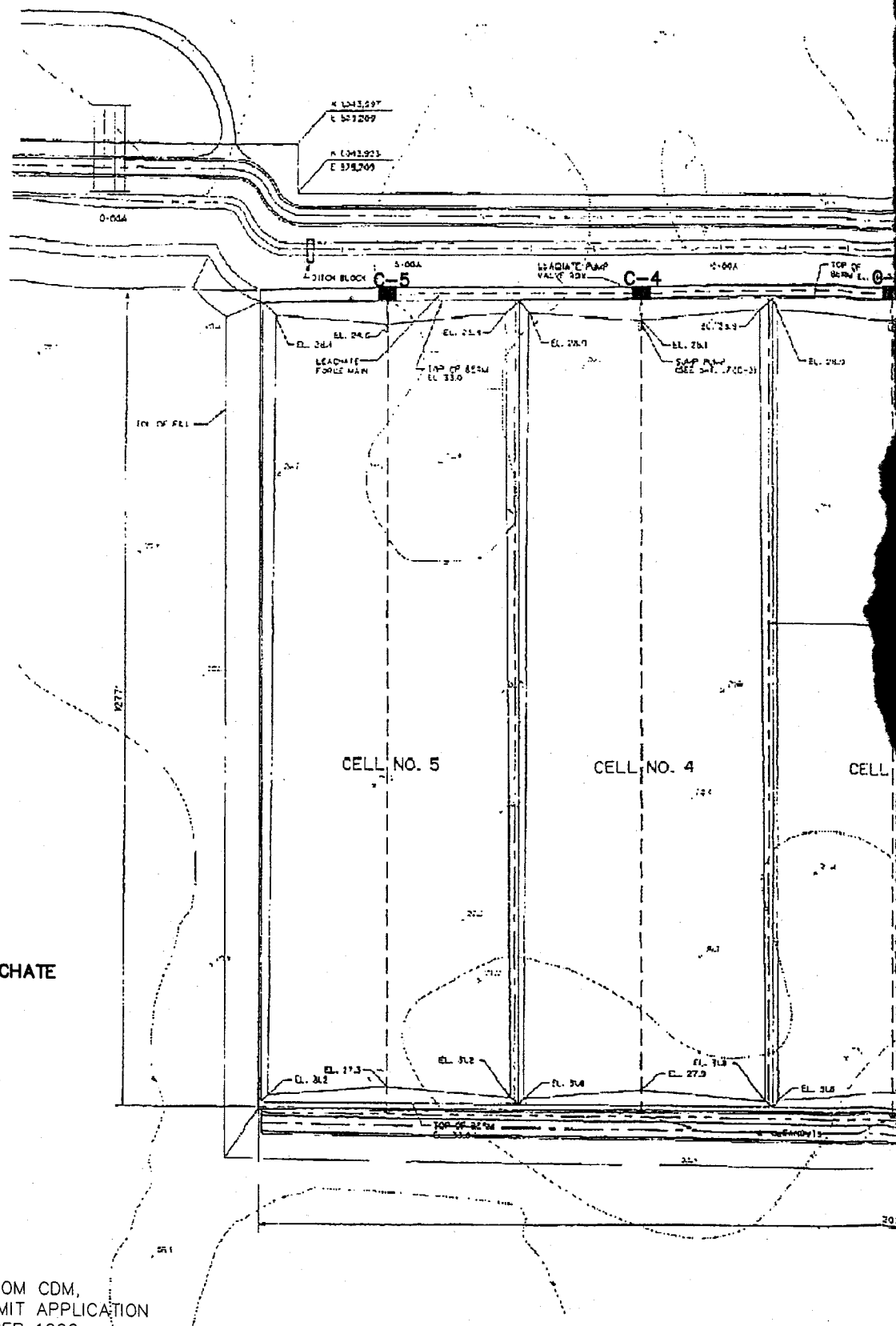
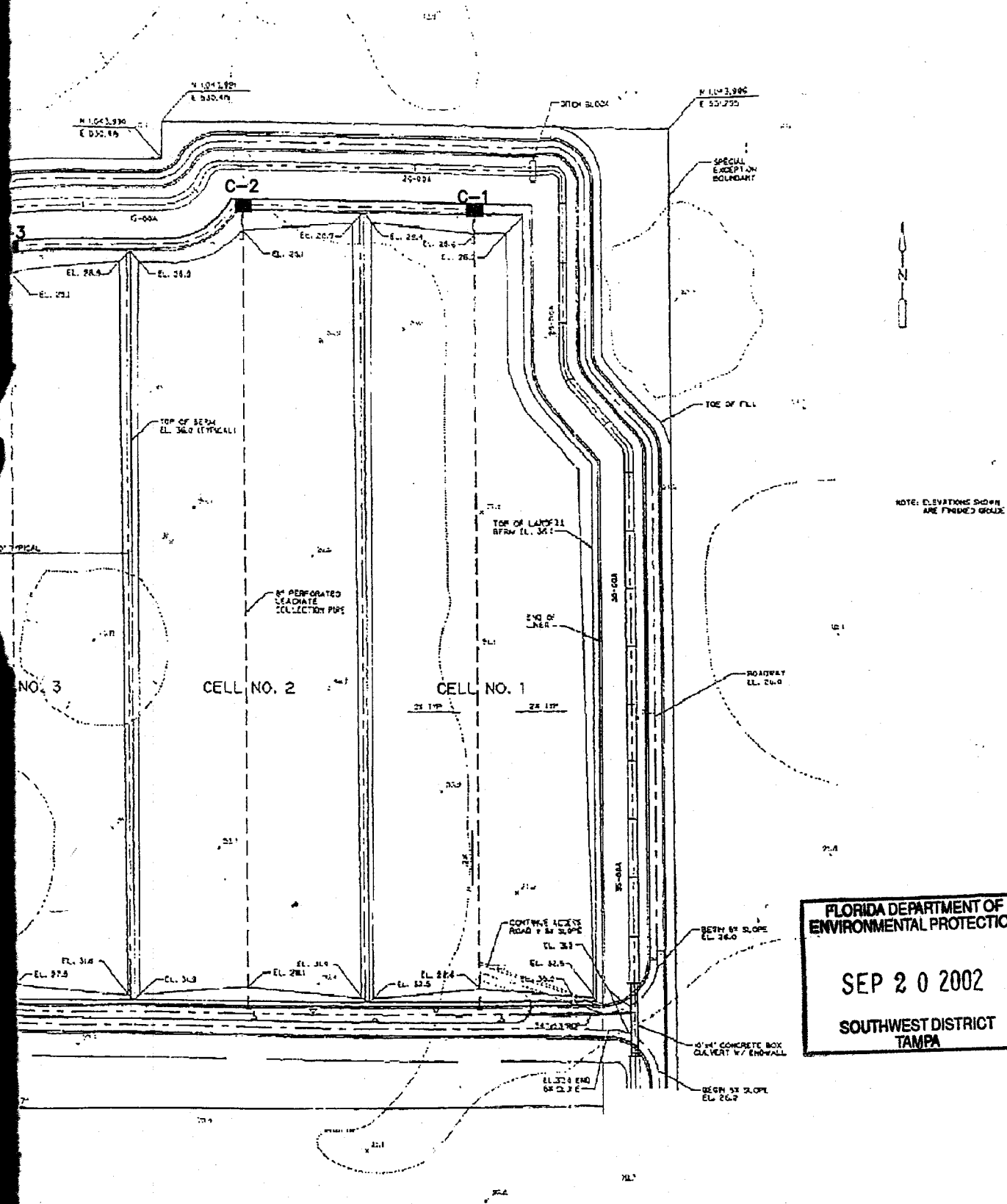


Figure L-1A. Site Plan Showing Leachate Pump

NOT TO SCALE



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

SEP 20 2002

SOUTHWEST DISTRICT  
TAMPA

SCS ENGINEERS

Valve Box, Central County Solid Waste Disposal Complex, Sarasota County, Florida.



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

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

## MONITOR WELL COMPLETION REPORT

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

INSTALLATION NAME: \_\_\_\_\_

DEP PERMIT NUMBER: \_\_\_\_\_ GMS NUMBER: \_\_\_\_\_

WELL NUMBER: \_\_\_\_\_ WELL NAME: \_\_\_\_\_

DESIGNATION: Background \_\_\_\_\_ Immediate \_\_\_\_\_ Compliance \_\_\_\_\_

LATITUDE/LONGITUDE: \_\_\_\_\_

AQUIFER MONITORED: \_\_\_\_\_

INSTALLATION METHOD: \_\_\_\_\_

INSTALLED BY: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_ (bls) DEPTH OF SCREEN: \_\_\_\_\_ (bls)

SCREEN LENGTH: \_\_\_\_\_ SCREEN SLOT SIZE: \_\_\_\_\_ SCREEN TYPE: \_\_\_\_\_

CASING DIAMETER: \_\_\_\_\_ CASING TYPE: \_\_\_\_\_

LENGTH OF CASING: \_\_\_\_\_ FILTER PACK MATERIAL: \_\_\_\_\_

TOP OF CASING ELEVATION (MSL): \_\_\_\_\_

GROUND SURFACE ELEVATION (MSL): \_\_\_\_\_

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

DESCRIBE WELL DEVELOPMENT: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): \_\_\_\_\_

DATE AND TIME MEASURED: \_\_\_\_\_

REMARKS: (soils information, stratigraphy, etc.): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_  
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

# Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

## GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

### PART I GENERAL INFORMATION

- (1) Facility Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (2) The GMS Identification Number \_\_\_\_\_
- (3) DEP Permit Number \_\_\_\_\_
- (4) Authorized Representative Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone Number ( ) \_\_\_\_\_
- (5) Type of Discharge \_\_\_\_\_
- (6) Method of Discharge \_\_\_\_\_

### 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 submitting false information, including the possibility of fine and imprisonment.

Date: \_\_\_\_\_  
Signature of Owner or Authorized Representative

### PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization      Comp QAP # \_\_\_\_\_

Analytical Lab      Comp QAP # /HRS Certification # \_\_\_\_\_  
                                 \*Comp QAP # /HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( ) \_\_\_\_\_

### PART III ANALYTICAL RESULTS

Sampling Date/Time:

Report Period:

(year/quarter)

Well Purged (Y/N):

Well Type: ( ) Background

( ) Intermediate

( ) Compliance

( ) Other

Storet  
CodeParameter  
Monitored

### Sampling Method

Field  
Filtered  
Y/N

## Analysis Method

Analysis  
Date/Time

\* Analysis  
Results/UnitsDetection  
Limits/Units

\* Attach Laboratory Reports



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

Sarasota County  
LF permit file

## CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Sarasota County Office of Management and Budget  
C/o Paul Wingler, Project Manager  
4000 Knights Trail Rd.  
Nokomis, FL 34275

JUN -8 2006

Re: Permit Modification  
Central County Landfill – Citizen's Convenience Center  
Application #:58-0246654-002  
Sarasota County

Dear Mr. Wingler:

Your request to modify FDEP Permit #58-0246654-001 was received on January 17, 2006, and reviewed by Department staff. The modification is for the following:

1. Increase in original project area and modification of the layout of the entire surface water management system (SWMS) for the Citizen's Convenience Center at the Central County Landfill. The project area shall increase from 0.79 acres to 0.92 acres, as a result of the expansion of the proposed asphalt drive area, concrete pads and expansion of the two dry detention drainage ponds. The ponds shall provide the requisite water quality pre-treatment and attenuation for the 0.67 acre East basin (under Permit #58-0246654-001 the drainage area consisted of 0.57 acres) and the 0.25 acre West basin (under Permit #58-0246654-001 the drainage area consisted of 0.20 acres). Both ponds shall outfall into existing swales.
2. Modest expansion of the East and West ponds and modification of the outfall control structures in the East and West ponds to meet stormwater quality treatment and stormwater runoff attenuation design criteria. The West pond shall be expanded from 0.06 acres to 0.08 acres at TOB elevation 19.9', and the East pond shall be expanded from 0.18 acres to 0.19 acres at TOB elevation 20.40'.

The project is located at the Central County Landfill at 4000 Knights Trail Road in Section 10, Township 38, Range 19, Sarasota County, FL.

The General/Limiting Conditions and Specific Conditions in the original permit shall also apply to the work authorized by this modification. In addition, the following Specific Condition(s) shall replace corresponding FDEP permit #58-0246654-001 specific condition Nos. 12 & 13:

12. The permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department for review and approval within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings, which should be revised to reflect changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built" or "record"

"More Protection, Less Process"

Printed on recycled paper.

drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition to the "As-built Certification" form, the permittee shall submit the "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" form as required in General Condition #13.*

From the engineered, signed and sealed 12" x 17" drawings:  
Charles P. Putnam, P.E., #35217  
February 23, 2006, April 14, 2006 & May 11, 2006

<u>Plan View/ Cross-Section</u>	<u>Sheet/ Page Number</u>
Site Plan	4
Grading Plan	5
Miscellaneous Details	6
1. Flume and Skimmer Details	
Swale & Retention Pond	7
1. Cross-Section, A-A & B-B	

13. Best management practices for erosion control shall be implemented prior to construction and maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards pursuant to Rule 62-302, F.A.C. Methods shall include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, and mulching; staged construction; and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented prior to construction as described on Sheets 2, 5 & 6 dated February 23, 2006 and April 14, 2006 of PBS&J, Inc. No.:120521.330101, and incorporated herein.

For the purposes of tracking the application fee (if applicable) a new tracking number, 58-0246654-002 was assigned to this modification request. Please continue to refer to the original permit number when referring to this project in the future.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter and the attached drawings, we are notifying all necessary parties of the modification.

This letter of approval does not alter the original expiration date, remaining Specific Conditions or General Conditions or monitoring requirements of the permit. This letter and accompanying drawings must be attached to the original permit.

Please be advised that this letter modification does not constitute the application for or issuance of a NPDES Stormwater Permit or NPDES Stormwater Pollution Prevention Plan. For additional information regarding this matter please contact Department personnel in Tallahassee at (850) 245-7522.

#### RIGHTS OF AFFECTED PARTIES

This permit modification is hereby granted unless a sufficient petition for an administrative hearing is timely filed under sections 120.569 and 120.57 of the Florida Statutes as provided below. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Mediation may also be pursued as specified below.

Because the administrative hearing process is designed to redetermine final agency action on the application, the filing of a petition for an administrative hearing may result in a modification of the permit or even a denial of the application. If a sufficient petition for an administrative hearing or request for an extension of time to file a petition is timely filed, this permit automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Mediation may also change the final disposition of the application. Accordingly, the applicant is advised not to commence construction or other activities under this permit until the deadlines noted below for filing a petition for an administrative hearing or request for an extension of time have expired.

Under rule 62-110.106(4) of the Florida Administrative Code, a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

In the event that a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

In accordance with rules 28-106.111(2) and 62-110.106(3)(a)(4), petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes, must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing or pursue mediation as provided below within the appropriate time period shall constitute a waiver of those rights.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action; and

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action;

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301. Under sections 120.569(2)(c) and (d) of the Florida Statutes, a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

In addition to petitioning for an administrative hearing, any person who has previously filed a petition for an administrative hearing may pursue mediation. If a written mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing) is filed with the Department within 10 days after the deadline for filing a petition for an administrative hearing, the time limitations imposed by sections 120.569 and 120.57 shall be tolled to allow mediation to proceed. The agreement must contain all the information required by rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the deadline noted above. Pursuing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. As noted above, persons seeking to protect their substantial interests that would be affected by such a final decision modified through mediation must file their petitions within 21 days of receipt or publication of this notice as provided above, or they shall be deemed to have waived their right to a proceeding under sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

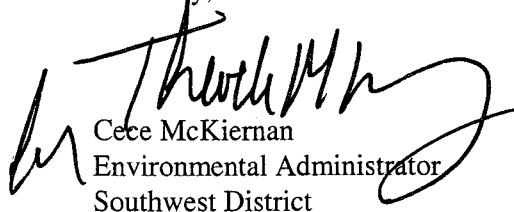
This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

This permit modification constitutes an order of the Department. The applicant has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Thank you for your cooperation with the permitting process and your interest in protecting the natural resources of the state of Florida. If you have any questions about this letter please contact R. Douglas Hyman, P.E. at (813) 632-7600, extension 393.

Executed in Temple Terrace, Florida.

Sincerely,

  
Cece McKiernan  
Environmental Administrator  
Southwest District

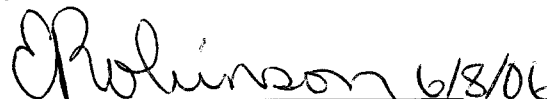
cc: Susan Pelz, P.E., Solid Waste Program Manager, FDEP Tampa  
Charles P. Putnam, P.E. c/o Bryan Zoller, P.E., PBS&J, Inc., 2803 Fruitville Road, Suite 130, Sarasota, FL 34237  
Attachments: Reduced Construction Plans Sheet Nos. 4-7, 4 pages

#### CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies were mailed before the close of business on 6/8/06, 2006, to the above listed persons.

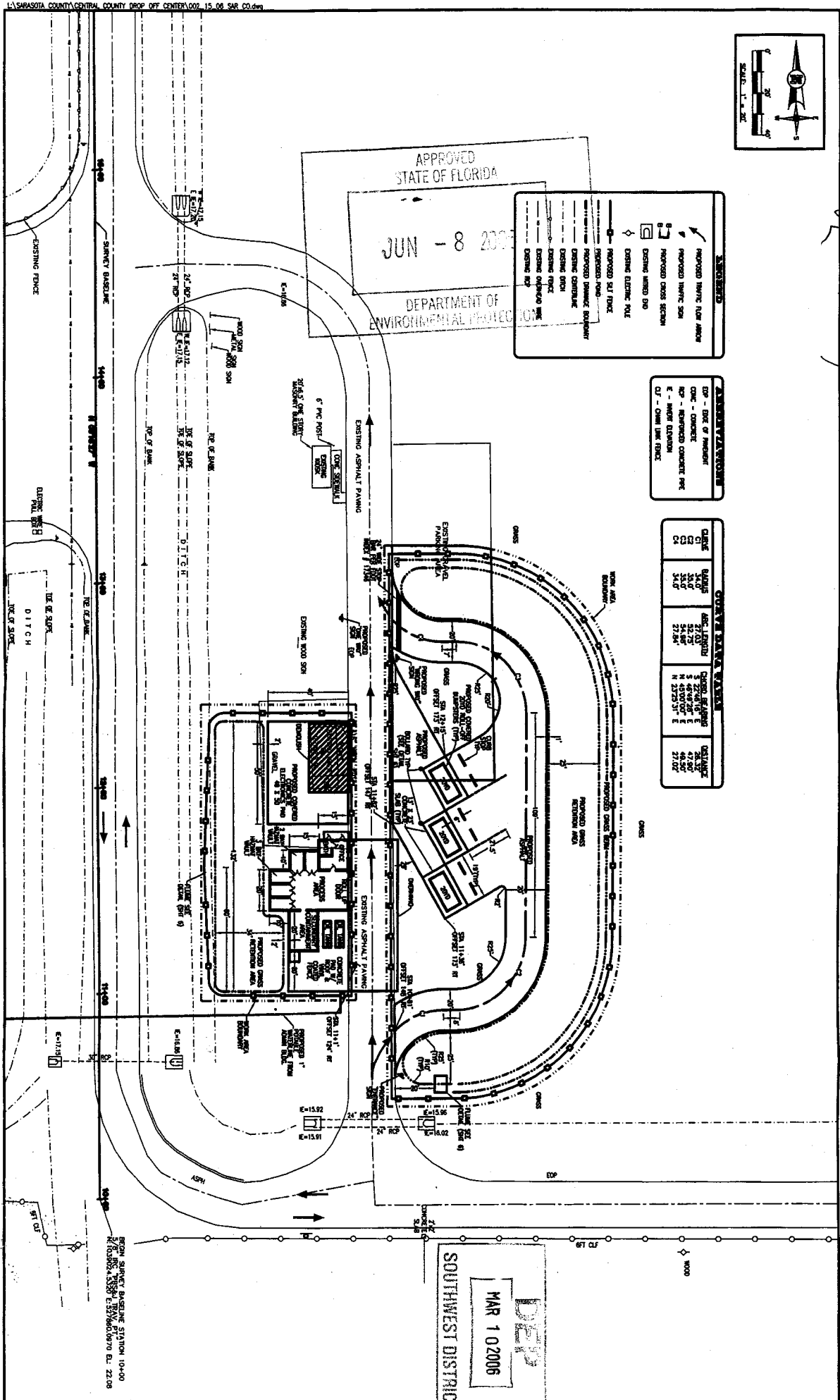
#### FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to 120.52(9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

  
\_\_\_\_\_  
Clerk                      Date





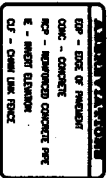
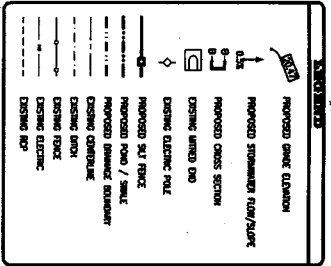
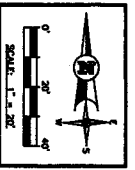




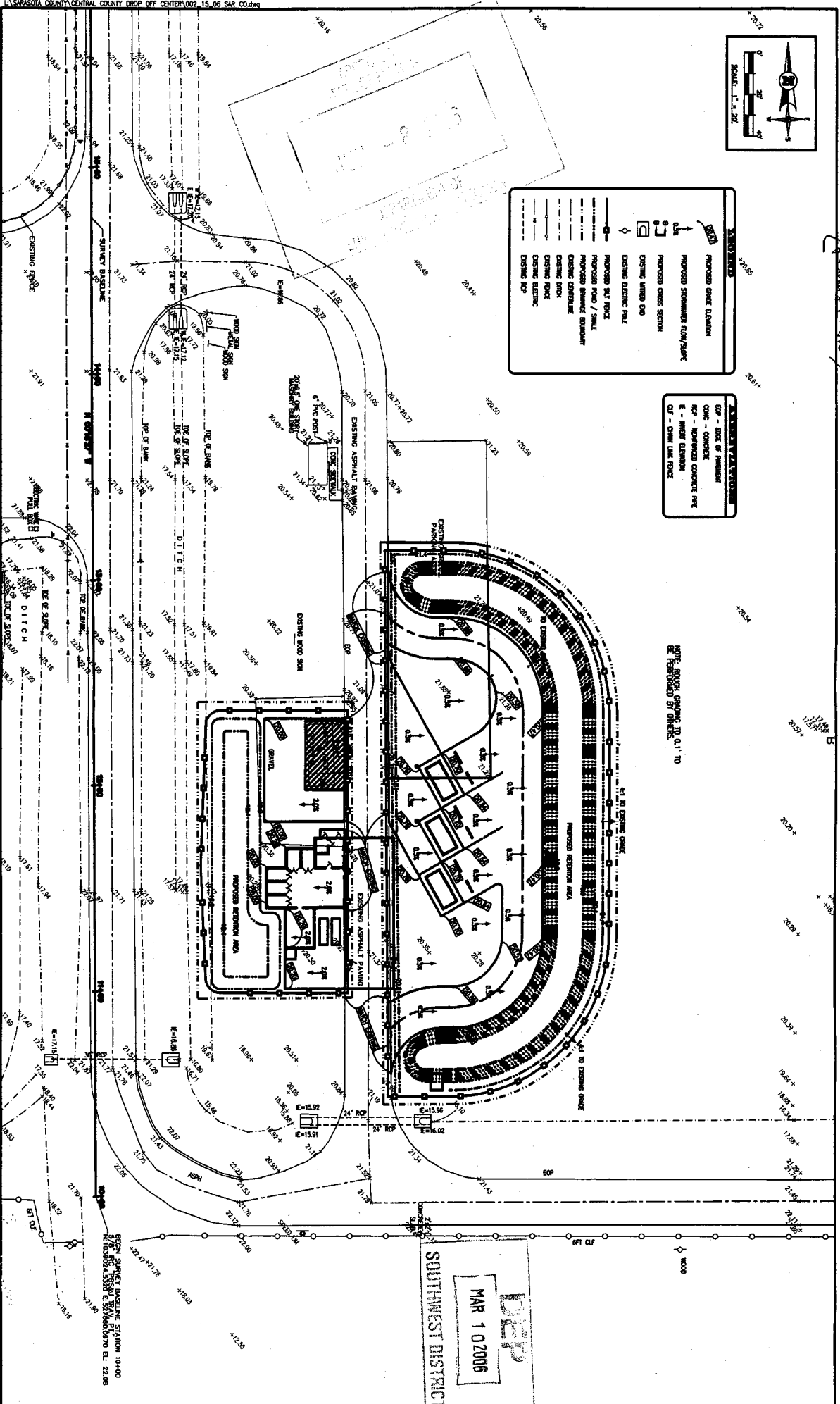
EOP - EDGE OF PAVEMENT  
 CONC - CONCRETE  
 RCP - REINFORCED CONCRETE PIPE  
 E - INVERT ELEVATION  
 CJ - CHAIN LINK FENCE

OCEAN DATA TABLE				
CLAS	RADIUS	ARC LENGTH	CHORD BEARING	DISTANCE
C1	34.0	27.61	27.24 S	28.32
C2	33.0	32.75	5 46'40" E	47.90
C3	33.0	34.88	5 46'40" E	48.90
C4	34.0	27.84	N 23° 31' E	27.02

 <p><b>PBSI</b> PONTIAC-BIRMINGHAM-SARASOTA, INC. CIVIL/ENR</p>		<p><b>PROJECT ADDRESS:</b> MIDDLE F. 3177-2607 FERRY CENTER, OFF. AULTM. NO. 24 SARASOTA, FL 34237</p> <p><b>PROJECT ADDRESS:</b> 2600 PALMYRA RD. SUITE 300 SARASOTA, FL 34237 PH. (941) 964-4008</p>	
<p><b>CLIENT:</b> <b>SARASOTA COUNTY</b> <b>ENVIRONMENTAL SERVICES</b> <b>SOLID WASTE OPERATIONS</b></p> <p>4000 HARBOR BLVD., SUITE 200 MOOREHEAD, FLORIDA 33653</p>			
<p><b>PROJECT:</b> <b>CENTRAL COUNTY LANDFILL</b> <b>CITIZENS CONVENIENCE CENTER</b></p>		<p><b>TASK:</b></p>	
<p><b>ORIGINAL: MAR 05</b></p> <p>1 RESPONSE REV. 3-29-05 2 RESPONSE REV. 3-31-05 3 RESPONSE REV. 3-31-05 4 RESPONSE REV. 3-31-05 5 RESPONSE REV. 3-31-05</p>		<p><b>SITE PLAN</b></p>	
<p><b>DATE:</b> 2/12/05</p> <p><b>BY:</b> [Signature]</p> <p><b>CHKD BY:</b> [Signature]</p> <p><b>DATE:</b> 2/12/05</p>		<p><b>DATE:</b> 2/12/05</p> <p><b>BY:</b> [Signature]</p> <p><b>CHKD BY:</b> [Signature]</p> <p><b>DATE:</b> 2/12/05</p>	
<p><b>SHEET 4</b></p>		<p><b>SHEET 4</b></p>	



NOTE: GRADES SHOWN TO 0.1' TO BE ROUNDED BY 0.05'



PROPOSED ADDRESS:  
2001 NW 17TH AVENUE  
SARASOTA, FL 34237  
PROPOSED ADDRESS:  
2001 NW 17TH AVENUE  
SARASOTA, FL 34237  
FL (941) 554-4009

**SARASOTA COUNTY**  
ENVIRONMENTAL SERVICES  
SOLID WASTE OPERATIONS  
4000 HATCHES TOWN ROAD  
NOKOMIS, FLORIDA 34275



**PROJECT:**  
CENTRAL COUNTY LANDFILL  
CITIZEN'S CONVENIENCE CENTER

**DATE:**  
GRADING PLAN

**ORIGINAL:** MAR 05  
1. SAR. CO. REV. 1-28-05  
2. FRED. REV. 3-24-05  
3. FRED. REV. 5-28-05  
4. FRED. PERMIT TUD  
5. 12/15/05

**DESIGNED BY:** [Signature]  
**CHECKED BY:** [Signature]  
**DATE:** 3/1/06  
**SCALE:** AS SHOWN  
**SHEET:** 5

**DEP**  
MAR 1 0 2006  
SOUTHWEST DISTRICT



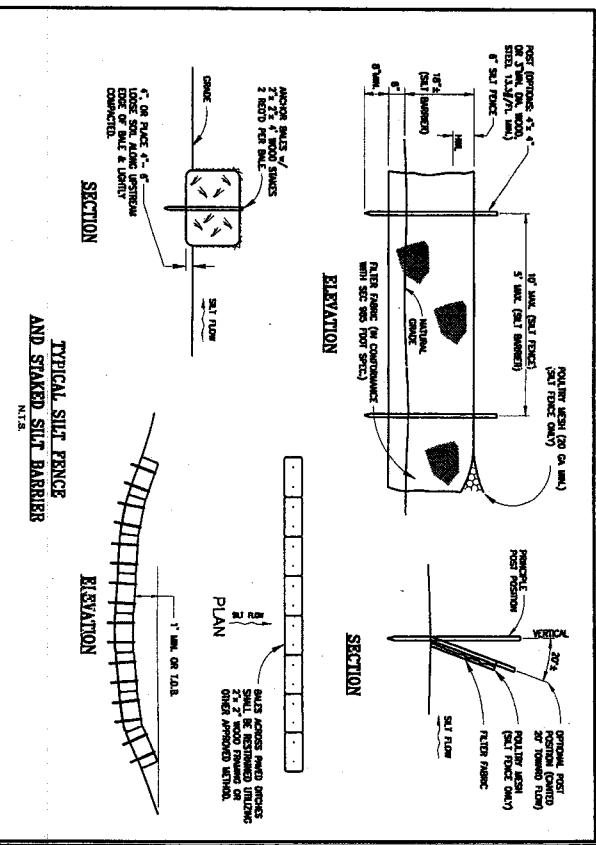
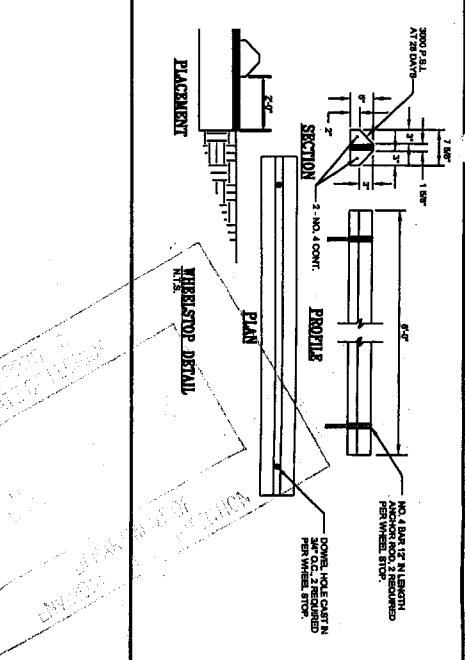
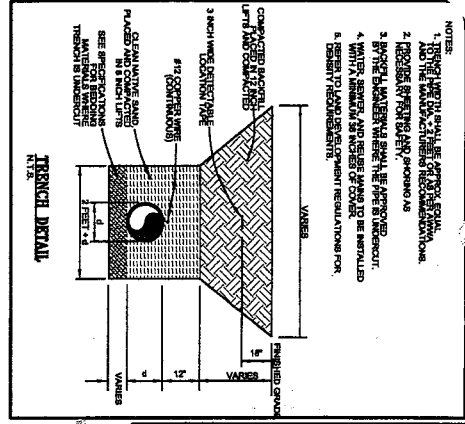
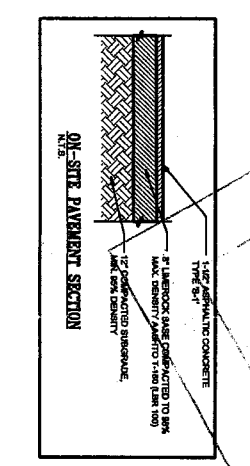
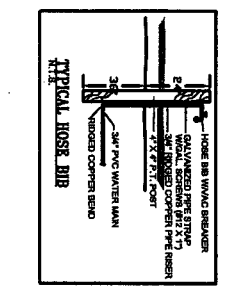
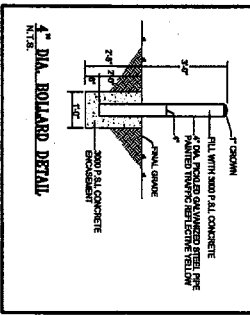
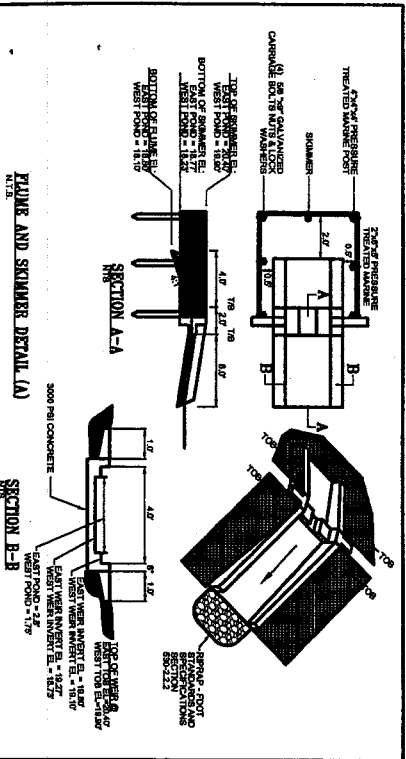
**CLIENT:**  
SARASOTA COUNTY  
ENVIRONMENTAL SERVICES  
SOLID WASTE OPERATIONS  
4000 KNIGHTS TRL. ROAD



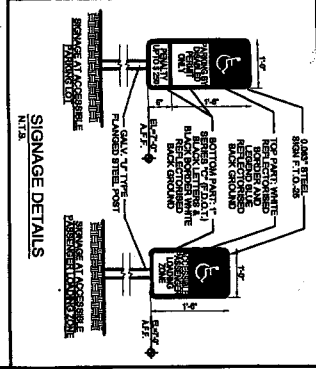
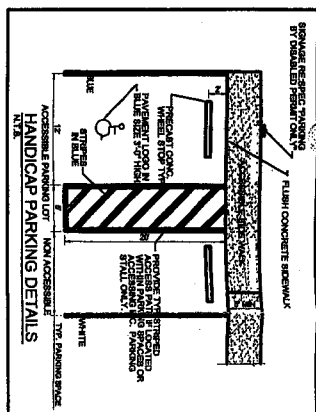
**PROJECT:**  
CENTRAL COUNTY LANDFILL  
CITIZENS CONVENIENCE CENTER

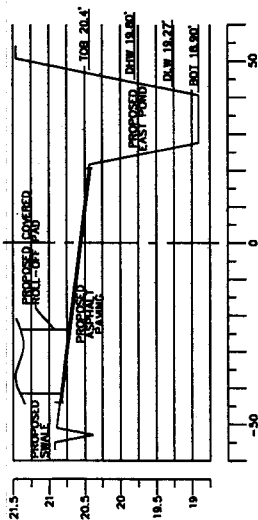
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MISCELLANEOUS DETAILS

REVISIONS	DATE	BY	CHKD
1	5/14/04	REV 1	REV 1
2	5/14/04	REV 2	REV 2
3	5/14/04	REV 3	REV 3
4	5/14/04	REV 4	REV 4
5	5/14/04	REV 5	REV 5
6	5/14/04	REV 6	REV 6
7	5/14/04	REV 7	REV 7
8	5/14/04	REV 8	REV 8
9	5/14/04	REV 9	REV 9
10	5/14/04	REV 10	REV 10
11	5/14/04	REV 11	REV 11

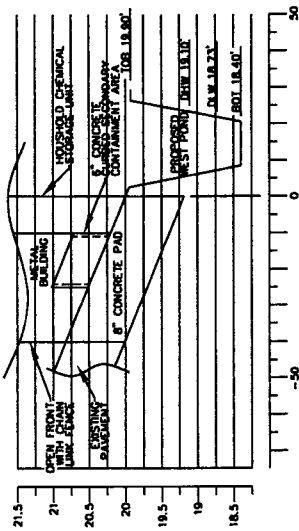


Dept. of Environmental Protection  
Southwest District  
APR 18 2005

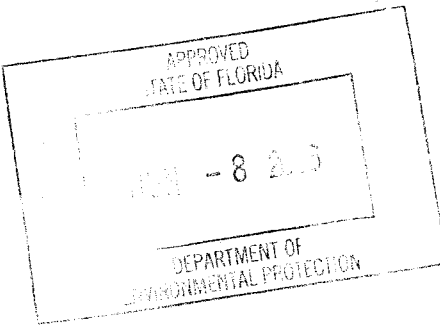
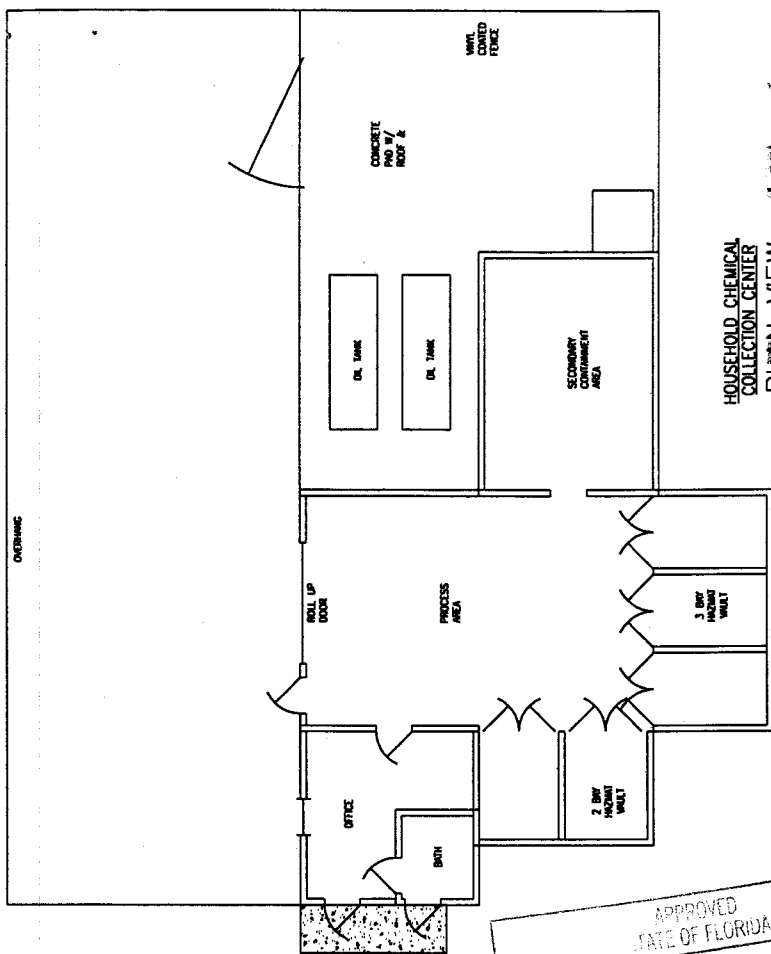




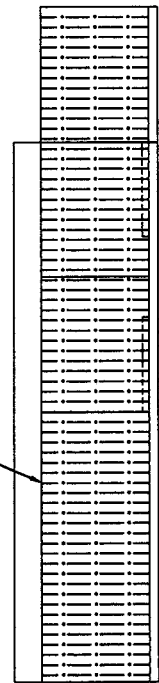
CROSS SECTION A-A  
NTS



CROSS SECTION B-B  
NTS



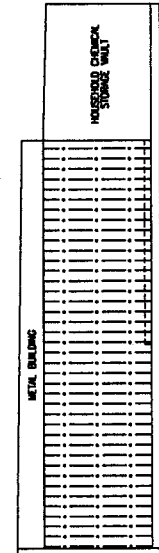
CHAIN LINK FENCE WITH GATES



HOUSEHOLD CHEMICAL COLLECTION CENTER - EAST VIEW



HOUSEHOLD CHEMICAL COLLECTION CENTER - SOUTH VIEW



HOUSEHOLD CHEMICAL COLLECTION CENTER - NORTH VIEW

HOUSEHOLD CHEMICAL COLLECTION CENTER  
PLAN VIEW  
DEPT. of Environmental Protection

MAY 15 2006

Southwest District

<b>CLIENT:</b> <b>SARASOTA COUNTY</b> <b>ENVIRONMENTAL SERVICES</b> <b>SOLID WASTE OPERATIONS</b> 4000 KINGS TRAIL ROAD NORFOLK, FLORIDA 34275		<b>PROJECT:</b> CENTRAL COUNTY LANDFILL CITIZEN'S CONVENIENCE CENTER HOUSEHOLD CHEMICAL COLLECTION CENTER		<b>REVISIONS:</b> 1. SAIL CO. REV. 3-28-05 2. DDC REV. 3-28-05 3. DDC REV. 3-28-05 4. DDC REV. 3-28-05 5. 12/13/05		<b>ORIGINAL:</b> DATE: 05-15-06 BY: [Signature] CHECKED: [Signature] DATE: 05-15-06		<b>FOR NO. 10001-2001</b> SAIL CO. REV. 3-28-05 DDC REV. 3-28-05 DDC REV. 3-28-05 DDC REV. 3-28-05 DDC REV. 3-28-05		<b>SHEET 7</b>	
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An employee-owned company

May 26, 2006

Ms. Susan Pelz  
Florida Department of Environmental Protection  
13051 Telecom Parkway  
Temple Terrace, FL 33637

RE: Pending Modification #130542-003-SO/MM to  
Permit #130542-002-SO/01, Sarasota County

Dept. of Environmental  
Protection  
MAY 30 2006  
Southwest District

Dear Ms. Pelz:

In response to the comments in your letter of May 23, 2006, we have revised the minor modification permit application and construction plans for the leachate force main project. Enclosed are two copies of:

1. The revised construction plans
2. A revised DEP Form # 62-701-900(I)
3. A revised Leachate Water Balance Form
4. Revised page 02300-1 of the specifications

We have addressed the comments in your letter of May 23, 2006 as follows:

**Application form, Rule 62-701.320(7), F.A.C.**

- a. Item A.5. Please provide a revised application form that references DEP Id. Number SWD/58/51614.

**A revised application form is enclosed.**

- b. Item B.1. Please clarify how the requested modification is a "renewal construction of a leachate pumping station and force main." Please revise the application form as appropriate.

**The work "renewal" is deleted from the sentence.**

- c. Item B.25. Since trucking leachate to a WWTP is still included as a contingency operation, please provide a revised application form that indicates this activity.

**The revised application form showing hauling as a contingency operation is enclosed.**

- d. Item T.1. Please provide a revised application form that does not reference Manatee County Government Utility Operations Department.

(See spiral bound document)

Dept. of Environmental  
Protection

MAY 30 2006

**This correction was made.**

2. **Operations Plan, Rule 62-701.500, F.A.C.**  
a. Please provide revised Section L.8.d of the operations plan to include the proposed changes.

**A revised Section L.8.d is enclosed.**

- b. Please provide a revised Leachate Water Balance Form that includes the proposed changes.

**A revised Leachate Water Balance Form is enclosed.**

3. **Technical Specifications, Central County Landfill Leachate Force Main and Pump Station Construction Project, Bid No., 6125JW, dated October 2005 (received April 27, 2006), Rule 62-701.400, F.A.C.**

- a. Section 02300. Please specify where the drilling mud will be disposed.

**Section 02300 has been revised to require the Contractor to properly contain all drilling fluids/mud and dispose all excess material offsite. See revised page 02300-1 attached.**

4. **Construction plans, Central County Landfill Leachate Force Main and Pump Station, dated July 2005 (received April 21, 2006), Rule 62-701.320(7)(f), F.A.C.**

- a. It appears that in several locations that HDPE pipe will be joined to PVC pipe. Since PVC is joined using solvent and HDPE pipe is joined using heat fusion welding, please explain how these different types of pipe will be joined.

**See the HDPE to PVC Transition Detail on Sheet 27.**

- b. Sheet 26.

1) The note regarding the manhole west of the leachate storage tank indicates that the manhole was "full of water" at the time of the survey. Since it appears that this manhole is a leachate manhole, please explain how leachate was not discharged into the environment from the manhole overflowing.

**The manholes are located at the ends of the casing that goes under the roadway. The leachate forcemain is solid piped thru the manholes and the roadway casing. There is no leachate in the manholes.**

- 2) Please verify if the Leachate Transfer Pump Station detail should be referenced to Sheet 28 and well as Sheet 29.

**The Leachate Transfer Pump Station detail is now referenced to Sheet 28 as well as Sheet 29. See revised sheet 26.**

3) Since the truck loadout of leachate is proposed to be available as a contingency operation, please provide details of the existing transfer pump station in relation to the proposed new pump station.

**The proposed pump station intersects the suction pipe to the existing transfer pump station with a tee. The existing piping to the existing pump station will remain unchanged so the contingency truck loadout operation can be used if necessary.**

c. Sheet 28.

1) Please clarify if there is a reducer from 2-inch 45 degree sch. 80 PVC bend to the 4-inch force main to Sta. 287+57.

**A 2" x 4" reducer has been added to plans, see revised sheet 28.**

2) Please note the reference to the pipe support detail.

**The reference to the pipe support detail shown on sheet 29 has been added to sheet 28.**

3) Please reference the sheet that shows cross-section B-B.

**Sheet 29 is now referenced as the sheet that shows cross-section B-B.**

4) Please clarify where the pad drains. It does not appear that a sump or curb is shown. Please clarify how leakage or spills from the leachate force main piping and pumps in this area will not discharge to the environment.

**The concrete pad does not contain a sump or curb. Rain water will drain to the grass along the pad. The pumps and piping are a sealed pipe system and not susceptible to spills. All above and below ground piping from the connection point to the discharge at the lift station on Knights Trail Road will be hydrostatically tested to insure a pressure tight system before start-up. All above ground piping will be visually monitored and maintained to ensure no leakage occurs. If there should ever be a need to disassemble the piping and pumping system, the pipes will be completely drained prior to disassembly and the amount of leachate water in the system will be very minimal. This would be a similar situation to the existing above ground influent and effluent piping by the existing storage tank.**

5) Please clarify where the existing 8-inch below ground pipe east of the new 8" x 8" x 4" tee discharges.



MAY 30 2006

Southwest District

**The existing 8" pipe discharges to the existing transfer pump station. See revised sheet 28.**

d. Sheet 29.

1) Please clarify where the pipe (suction?) located below the pump originates and discharges to.

**The pipe is the pump discharge that runs between the two pumps as shown in the plan view and cross-section AA on sheet 28. The pipe connects to the new 4" force main. See revised sheets 28 and 29.**

Please don't hesitate to call if you need any additional information.

Sincerely,



C.P. (Pete) Putman, P.E.  
Vice President

c: Frank Coggins (w/attach.)

**Pelz, Susan**

---

**From:** Pelz, Susan  
**Sent:** Tuesday, May 23, 2006 1:08 PM  
**To:** Pelz, Susan; 'Putman, Charles "Pete"'  
**Cc:** 'Eash, John M'; 'Franklin Coggins'; 'Paul Wingler (E-mail)'; Morgan, Steve; Morris, John R.  
**Subject:** RE: SCCSWDC Leachate Force Main

Pete,

Please find attached the correct electronic version. I apologize for any inconvenience this has caused.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
[susan.pelz@dep.state.fl.us](mailto:susan.pelz@dep.state.fl.us)

-----Original Message-----

**From:** Pelz, Susan  
**Sent:** Tuesday, May 23, 2006 12:36 PM  
**To:** 'Putman, Charles "Pete"'  
**Cc:** Eash, John M; Franklin Coggins; Paul Wingler (E-mail)  
**Subject:** RE: SCCSWDC Leachate Force Main

Pete,

I apologize. We had a power failure this morning & I thought I had saved the electronic file before the power went out. The hard copy has a few comments under "Construction Plans." Please disregard the electronic copy. Hard copy has all of the comments and was mailed today.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
[susan.pelz@dep.state.fl.us](mailto:susan.pelz@dep.state.fl.us)

-----Original Message-----

5/23/2006

**From:** Putman, Charles "Pete" [mailto:CPPutman@pbsj.com]  
**Sent:** Tuesday, May 23, 2006 12:08 PM  
**To:** Pelz, Susan  
**Cc:** Eash, John M; Franklin Coggins  
**Subject:** SCCSWDC Leachate Force Main

One question regarding your comments dated May 23, 2006 for Pending Modification #131542-003-SO/MM

Under item 4 Construction Plans, there is a letter "a." without a comment. Is there a comment on the construction plans?

Thanks,

Pete

C.P. (Pete) Putman, P.E.  
2803 Fruitville Road, Suite 130  
Sarasota, FL 34237  
Office 941-954-4036 (222)  
Tampa 813-281-8350  
Cell 941-350-0389

**Pelz, Susan**

---

**From:** Pelz, Susan  
**Sent:** Tuesday, May 23, 2006 11:27 AM  
**To:** Frank Coggins (E-mail); Paul Wingler (E-mail)  
**Cc:** Morris, John R.; Morgan, Steve; John Eash (E-mail)  
**Subject:** Leachate forcemain mod

Frank/Paul,

Please find attached a RAI for the leachate forcemain modification. Hard copy was mailed today.

I recognize that the County is anxious to get this modification issued. The items are straightforward and shouldn't take long to complete. If PBSJ can get this turned around in the next two weeks, I can expedite the process. Please note also that since it is a construction project, an Intent to Issue will be sent out (after a complete response to the RAI is received) & will require publication and a 14 day petitioning period.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
susan.pelz@dep.state.fl.us



SarasotaCentral  
orcemain-mod..



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

Mr. Paul Wingler, P.E.  
Sarasota County Solid Waste Operations  
4000 Knights Trail Road  
Nokomis, Fl. 34275

May 23, 2006

RE: Sarasota Central County Solid Waste Disposal Complex (SCCSWDC)  
Leachate force main  
Pending Modification #130542-003-SO/MM to  
Permit #130542-002-SO/01, Sarasota County

Dear Mr. Wingler:

This is to acknowledge receipt of your request dated April 26, 2006 (received April 26, 2006), prepared by PBSJ, Inc., to modify existing operation permit number 130542-002-SO/01 to construct a leachate force main and related appurtenances at the Sarasota County Central County Landfill, located at 4000 Knights Trail Road, Nokomis, Fl. 34240. The leachate force main will convey leachate from the Central County landfill to the Venice WWTP for disposal.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your application for a permit modification is incomplete. This is the Department's first request for information. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received. The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

The following information is needed in support of the solid waste applications [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

1. **Application form**, Rule 62-701.320(7), F.A.C.
  - a. Item A.5. Please provide a revised application form that references DEP Id. Number SWD/58/51614.
  - b. Item B.1. Please clarify how the requested modification is a "renewal construction of a leachate pumping station and force main." Please revise the application form as appropriate.
  - c. Item B.25. Since trucking leachate to a WWTP is still included as a contingency operation, please provide a revised application form that indicates this activity.
  - d. Item T.1. Please provide a revised application form that does not reference Manatee County Government Utility Operations Department.
2. **Operations Plan**, Rule 62-701.500, F.A.C.
  - a. Please provide revised Section L.8.d. of the operations plan to include the proposed changes.
  - b. Please provide a revised Leachate Water Balance Form that includes the proposed changes.

"More Protection, Less Process"

Printed on recycled paper.

3. **Technical Specifications**, Central County Landfill Leachate Force Main and Pump Station Construction Project, Bid No. 6125JW, dated October 2005 (received April 27, 2006), Rule 62-701.400, F.A.C.

a. Section 02300. Please specify where the drilling mud will be disposed.

4. **Construction plans**, Central County Landfill Leachate Force Main and Pump Station, dated July 2005 (received April 21, 2006), Rule 62-701.320(7)(f), F.A.C.

a. It appears that in several locations that HDPE pipe will be joined to PVC pipe. Since PVC is joined using solvent and HDPE pipe is joined using heat fusion welding, please explain how these different types of pipe will be joined.

b. Sheet 26.

1) The note regarding the manhole west of the leachate storage tanks indicates that the manhole was "full of water" at the time of the survey. Since it appears that this manhole is a leachate manhole, please explain how leachate was not discharged into the environment from the manhole overflowing.

2) Please verify if the Leachate Transfer Pump station detail should be referenced to Sheet 28 as well as Sheet 29.

3) Since the truck loadout of leachate is proposed to be available as a contingency operation, please provide details of the existing transfer pump station in relation to the proposed new pump station.

c. Sheet 28.

1) Please clarify if there is a reducer from 2-inch 45 degree sch. 80 PVC bend to the 4-inch force main to Sta. 287+57.

2) Please note the reference for the pipe support detail.

3) Please reference the sheet that shows cross-section B-B.

4) Please clarify where the pad drains. It does not appear that a sump or curb is shown. Please clarify how leakage or spills from the leachate force main piping and pumps in this area will not discharge to the environment.

5) Please clarify where the existing 8-inch below ground pipe east of the new 8" x 8" x 4" tee discharges.

d. Sheet 29.

1) Please clarify where the pipe (suction?) located below the pump originates and discharges to.

Please **respond within 30 days** after you receive this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Pursuant to the provisions of Rule 62-4.055(1), F.A.C., if the Department does not receive a timely, complete response to this request for information the Department may issue a final order denying your application. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available.

You are requested to submit **two copies** of your responses to this letter together, as one complete package. All copies must be signed and sealed by the professional engineer who prepared them. Please contact me at (813)632-7600 ext. 386 if you have any questions.

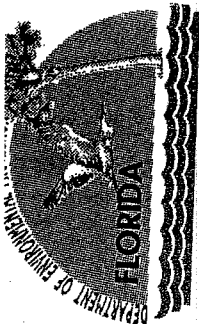
Sincerely,



Susan J. Pelz, P.E.  
Solid Waste Manager  
Southwest District

sjp  
cc:

Frank Coggins, 4000 Knights Trail Rd., Nokomis, Fl. 34275  
John Eash, P.E., PBSJ, 2803 Fruitville Rd., Suite 130, Sarasota, Fl. 34237  
Steve Morgan, FDEP Tampa (via email)  
John Morris, P.F., FDEP Tampa (via email)  
Cece McKiernan, FDEP Tampa, WaRM  
Jeff Hilton, P.E., FDEP DW



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

DATE: 5/16/00

TIME: 1:00pm

LOCATION / CONFERENCE ROOM: WCA

SUBJECT: Sarasota County

## ATTENDEES

NAME

AFFILIATION

TELEPHONE #

E-mail ADDRESS

Steve Pelz

DEP

813-632-7600 x386

Frank Caggins

Sarasota County

941-650-4160

Flaggins@scgov.net

Eric Nelson

Goodman

813-558-0940

encland@goodman.com

ANUSHMAN GUPTA

"

agupta@

Roger Evans

DEP

632-7600

Steve Nelson

FOUR-SW

813 632-7600 x386

STEVE.NELSON@DPS.MIZ.FL.US

Sarasota County UP  
Op Permit



## Ayushman Gupta

**From:** Ayushman Gupta  
**Sent:** Monday, May 15, 2006 1:04 PM  
**To:** 'susan.pelz@dep.state.fl.us'  
**Cc:** Franklin Coggins; 'Paul Wingler'; Erik Nelson  
**Subject:** FW: Agenda for Sarasota Central Landfill

Hi Susan,

I wanted to confirm our appointment at 1 pm tomorrow and let you know about the meeting participants, which will include Gary Benett, Frank Coggins, and Paul Wingler from Sarasota County and Erik Nelson and myself from GeoSyntec. The agenda for the meeting (as noted in my earlier e-mail) is included below.

See you tomorrow.

**Ayushman Gupta, P.E.**

### **GeoSyntec Consultants**

14055 Riveredge Drive, Suite 300  
Tampa, FL - 33637  
Tel: 813-558-0990 Ext. 235  
Fax: 813-558-9726  
Visit us at: [www.geosyntec.com](http://www.geosyntec.com)

---

**From:** Ayushman Gupta  
**Sent:** Thursday, April 06, 2006 3:27 PM  
**To:** 'susan.pelz@dep.state.fl.us'  
**Cc:** Franklin Coggins; 'Paul Wingler'  
**Subject:** Agenda for Sarasota Central Landfill

Hi Susan,

The appointment suits us. The agenda for the meeting is included below.

#### Agenda for the May 16 Meeting

1. Introduce project and discuss background;
2. Discuss intent of the proposed Flexible Leachate Storage Containers (FLSC);
3. Review Construction Drawings (primarily the liner system details);
4. Discuss permit modification requirements; and
5. Discuss applicable fee and time line for the permitting process.

If you need anything else, please let me know. Thanks

**Ayushman Gupta, P.E.**

### **GeoSyntec Consultants**

14055 Riveredge Drive, Suite 300  
Tampa, FL - 33637  
Tel: 813-558-0990 Ext. 235  
Fax: 813-558-9726  
Visit us at: [www.geosyntec.com](http://www.geosyntec.com)

Sarasota Co MRF

5/16/06

Cardboard from mfg

clean wood waste - pallets, dimensional lumber,

NO YT

- Op PLAN

- Financial

- site plan w/locations of storage

Sarasota LF Leachate Flexible leachate containers

- need specs, QA, construction draw

- need 1 boring to look @ subsurface

- need op plan changes for operation

- may need 1 gutter well down gradient  
- will Ask TAL

- need calcs: pipe strength, subsurface strength,  
slope stability for berms, hydraulics - pipe  
capacity, leakage through each liner, etc.

- will use tex linen & double sided, bi-phase  
geo composite

**Pelz, Susan**

---

**From:** Putman, Charles "Pete" [CPPutman@pbsj.com]  
**Sent:** Wednesday, May 10, 2006 2:50 PM  
**To:** Pelz, Susan  
**Cc:** Franklin Coggins  
**Subject:** RE: Sarasota County Leachate disposal

We submitted the application for the minor modification last week.

Please call if you have any questions or need any additional information.

Hopefully we can answer any questions you have to save time without letters going back and forth.

Thanks,

Pete

C.P. (Pete) Putman, P.E.  
2803 Fruitville, Road  
Sarasota, FL 34209  
Office 941-954-4036  
Tampa 800-477-7275  
Cell 941-350-0389

---

**From:** Pelz, Susan [mailto:Susan.Pelz@dep.state.fl.us]  
**Sent:** Thursday, April 20, 2006 12:37 PM  
**To:** Putman, Charles "Pete"  
**Cc:** Deans, David E.; Miller, Joseph L.; Cartwright, Terry  
**Subject:** RE: Sarasota County Leachate disposal

Pete,

This will need a minor modification of the solid waste permit. I saw the drawings submitted to ERP and it looks like there are some changes to the existing system on the landfill site. The modification should be pretty straightforward. We will need drawings showing the changes, construction specifications (I expect these will be minimal), revised operations plan pages that address leachate disposal, and \$250 fee.

thanks,

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.  
Solid Waste Program Manager  
Southwest District

13051 N. Telecom Parkway  
Temple Terrace, Fl. 33637  
813-632-7600 x 386  
susan.pelz@dep.state.fl.us

-----Original Message-----

**From:** Putman, Charles "Pete" [mailto:CPPutman@pbsj.com]  
**Sent:** Thursday, April 20, 2006 11:16 AM

5/10/2006

**To:** Pelz, Susan  
**Cc:** Deans, David E.; Miller, Joseph L.  
**Subject:** Sarasota County Leachate disposal

Sarasota County currently stores leachate collected from the landfill in an on-site storage tank. The leachate is hauled from the storage tank by trucks for disposal at the County's wastewater treatment plant.

We have completed construction plans for a leachate force main from the on-site storage tank to a discharge at a sewage pumping station. The pumping station pumps wastewater to the City of Venice Wastewater Treatment Plant. The City of Venice has authorized the disposal of the leachate at its treatment plant and we have received the FDEP wastewater permit for the project.

The project includes a new pumping station at the reuse storage tank and a 4-inch force main along the southern access road of the landfill to the western boundary of the landfill site. The force main follows Knights Trail Road south from the landfill entrance to the wastewater pumping station.

The only change to the leachate operation is pumping from the storage tank to the wastewater treatment plant rather than hauling by truck. Will you require a modification of the landfill operating permit?

Thanks,

Pete

C.P. (Pete) Putman, P.E.  
2803 Fruitville, Road  
Sarasota, FL 34209  
Office 941-954-4036  
Tampa 800-477-7275  
Cell 941-350-0389

**Pelz, Susan**

---

**From:** Vazquez, Pamala  
**Sent:** Monday, May 01, 2006 11:14 AM  
**To:** Getzoff, Deborah; Kutash, William; Pelz, Susan; Farley, Mike  
**Subject:** Solid Waste--Sarasota

Found this article in Bradenton Herald... thought it might be of interest to solid waste.

## **Sarasota to pipe, rather than truck, landfill wastewater**

HERALD STAFF REPORT

Sarasota Commissioners have agreed to construct a 4½ mile underground transmission line to move landfill wastewater, from the county's landfill in Nokomis to a City of Venice plant for treatment.

Commissioners approved a \$563,152.80 contract with E. T. MacKenzie of Florida Inc., according to a county press release.

The wastewater, also known as leachate, is rainwater that has filtered through the garbage buried in the landfill. The leachate is collected in a storage tank and transported by tanker trucks.

As many as 25 to 30 truckloads of leachate are hauled daily six days per week during the rainy season and one or two truckloads per day in the dry season. A truckload contains 6,000 gallons; 25-30 truckloads equates to roughly 630 tons.

The pipeline will reduce tanker truck traffic and noise on Knights Trail Road. The possibility for roadway spills is also eliminated.

***Pamala Vazquez  
External Affairs Coordinator  
Florida Dept. of Environmental Protection***

***813-632-7600 ext. 495  
Cell: 813-376-9593  
Fax: 813-632-7665  
email: [pamala.vazquez@dep.state.fl.us](mailto:pamala.vazquez@dep.state.fl.us)***

# PBS & TRANSMITTAL

DATE: April 26, 2006

TO: Ms. Susan J. Pelz, P.E. Solid Waste Manager  
Florida Department of Environmental Protection

Doc No.: 120544.02

RE: Central County Landfill  
Leachate Force Main Pump Station

Address/Office: 13051 Telecom Parkway  
Temple Terrace, Florida 33637

Phone: \_\_\_\_\_

APR 27 2006

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via \_\_\_\_\_  
the following items:

- ☐ Shop Drawings ☐ Prints ☒ Plans ☐ Samples  
☐ Copy of Letter ☐ Change Order ☒ Specifications ☐

COPIES	DATE	NO.	DESCRIPTION
1			Signed and sealed drawings
1			Signed and sealed specifications

THESE ARE TRANSMITTED As Checked Below:

- ☐ For approval ☐ Reviewed as submitted ☐ Resubmit \_\_\_\_\_ copies for approval  
☒ For your use ☐ Reviewed as noted ☐ Submit \_\_\_\_\_ copies for distribution  
☐ As requested ☐ Returned for corrections ☐ Return \_\_\_\_\_ corrected prints  
☐ For review and comment ☐ \_\_\_\_\_ ☐ \_\_\_\_\_  
☐ For bids due \_\_\_\_\_ 20\_\_\_\_  
☐ Prints returned after loan to us

## REMARKS:

These documents are being submitted for the minor modification to the operating plan for the Sarasota County, Central County Landfill.

SIGNED \_\_\_\_\_

DISTRIBUTION \_\_\_\_\_

If enclosures are not as noted, kindly notify us at once

(See special hard document  
FILE)



An employee-owned company

April 26, 2006

Ms. Susan Pelz  
Florida Department of Environmental Protection  
13051 Telecom Parkway  
Temple Terrace, FL 33637

Dept. of Environmental  
Protection

APR 27 2006

Southwest District

RE: Application for a Minor Modification to the Operating Permit  
Sarasota County Central County Solid Waste Disposal Complex

Dear Ms. Pelz:

Sarasota County is planning to construct a leachate pumping station and force main to transport leachate off site for treatment and disposal. Attached is an application for a minor permit modification, including the following documentation:

2	DEP Form # 62-701-900(l)
1	Check in the amount of \$250
2	Revised leachate disposal section for the operations plan
2	FDEP Form 62-604.300(8)(a) for construction of a wastewater collection system (Signed by the City of Venice on Page 10 of 11 as the Wastewater Facility Owner)
2	FDEP permit for construction of a wastewater collection system

We have previously provided to you one set of construction plans and specifications for the project and are sending an additional set under separate cover.

We request that the operating permit for the landfill be modified to incorporate the revised leachate disposal plan.

Please don't hesitate to call if you need any additional information.

Sincerely,

C.P. (Pete) Putman, P.E.  
Vice President

c: Frank Coggins (w/attach.)

M:\Environmental\Sarasota County Solid Waste\Sara Co SW 2005 (120544)\120544.02 Leachate FM Const\ltr spelz.doc

*Sum*

**Southwest District  
Permitting Application**

New Site

Site Name:
Site ID:
County:
Type/Subcode:
Fee submitted: <span style="float: right;">( ) correct ( ) incorrect</span>
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____

Existing Site

Site ID:
Project Name:
Type/Subcode:
Fee submitted: <span style="float: right;">( ) incorrect</span>
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____

Applicant Information

Name:
Role:
Company:
Address:
City:
Zip Code:
Phone:

Fee verified by: \_\_\_\_\_

Application Assigned To: \_\_\_\_\_ Date: \_\_\_\_\_





An employee-owned company

Documents rec'd this date  
not signed & sealed  
J

April 20, 2006

Ms. Susan J. Pelz, P.E., Solid Waste Manager  
Florida Department of Environmental Protection  
13051 Telecom Parkway  
Temple Terrace, Florida 33637

**Dept. of Environmental  
Protection**

**APR 21 2006**

**Southwest District**

**Re: Central County Landfill  
Leachate Force Main and Pump Station**

Dear Ms. Pelz:

Enclosed is one copy of signed and sealed drawings and specifications for the Central County Landfill Leachate Force Main and Pump Station project. These documents are provided to support a minor modification to the solid waste permit for the Central County Landfill. Revised operations plan pages and a check for \$250 will be transmitted very soon.

If you have any questions concerning the enclosed documents or need additional information, please do not hesitate to call.

Sincerely,

**PBSJ**

John M. Eash, P.E.  
Senior Project Manager

Enclosure

120544.02



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

April 14, 2006

Mr. Frank Coggins  
Sarasota County  
4000 Knights Trail Road  
Nokomis, FL 34275

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
APR 19 2006  
SOUTHWEST DISTRICT  
TAMPA

Dear Mr. Coggins:

Your Application for Registration of a Yard Trash Processing Facility for Central County Solid Waste Disposal Complex is complete. Your facility identification number is 017-01-YT. This registration is valid until **May 1, 2007**. The receipt number for the registration fee you paid is 495309.

You must comply with the following requirements in order to maintain qualification for the registration program:

1. Monthly records of incoming and outgoing material shall be kept on site or at another location as indicated on the registration form for at least three years.
2. An Annual Report for a Yard Trash Processing Facility, DEP Form 62-709.320 (7)(b), shall be submitted by April 1 of each year.
3. A registration renewal, DEP Form 62-709.320(7)(a), shall be submitted by April 1 of each year to renew this registration.
4. The facility shall be operated in accordance with Rules 62-709.320(3) and (4), Florida Administrative Code (F.A.C.). A summary of these requirements is enclosed.

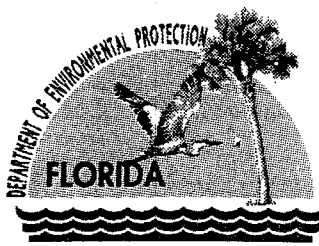
If you need further information, please contact Francine Joyal at the above address, Mail Station 4565, telephone 850/245-8747, or email [Francine.Joyal@dep.state.fl.us](mailto:Francine.Joyal@dep.state.fl.us).

Sincerely,

Francine Joyal  
Environmental Specialist

Enclosure

cc: Susan Pelz, Southwest District



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
13051 North Telecom Parkway  
Temple Terrace, FL 33637-0926  
Telephone: 813-632-7600

Colleen M. Castille  
Secretary

MAR 23 2006

Sarasota County  
Environmental Services / Solid Waste Operations  
c/o Michael S. Conn  
PBS&J  
2803 Fruiteville Road, Suite 130  
Sarasota, FL 34237

File No.: 58-0258400-001  
Applicant: Sarasota County

Dear Mr. Conn:

This is to acknowledge receipt of your notice on December 2, 2005, and revised notice on February 22, 2006, of intent to use a Noticed General Permit, pursuant to Rule 62-341.453, Florida Administrative Code (F.A.C.) to install approximately 2,720 linear feet of 4-inch force main that will transport leachate from the Central County Solid Waste Complex on Knights Road to an existing force main that leads to the City of Venice East Water Reclamation Facility. The project is located in Venice, Sections 20, 29, and 30, Township 38 South, Range 19 East, in Sarasota County.

In addition to regulatory authorization under Rule 62-341.453, F. A. C., this type of activity also requires both proprietary and federal authorizations. Proprietary authorization is required pursuant to Chapters 253 and 258 F.S., to use state-owned submerged lands for private purposes. Federal authorization is needed for works in waters of the United States through the State Programmatic General Permit (SPGP) program.

Your notice has been reviewed by Department staff for all three types of authorizations: regulatory, proprietary and Federal. The authority for review and the outcomes of the reviews are listed below. Please read each section carefully. Your project may not have qualified for all three authorizations. If your project did not qualify for one or more of the authorizations the specific section dealing with that authorization will advise you how to obtain it. **You may NOT commence your project without all three authorizations.** If you change the project from what you submitted, the authorization(s) granted may no longer be valid at the time of commencement of the project. Please contact us prior to beginning your project if you wish to make any changes.

## REGULATORY REVIEW – APPROVED

Based on the forms, drawings, and documents submitted/revised with your notice, it appears that the project meets the requirements for the Noticed General Permit under Rule 62-341.453, F.A.C.

Please be advised that the construction phase of the noticed general permit must be completed within five years from the date the notice to use the noticed general permit was received by the Department. If you wish to continue this noticed general permit beyond the expiration date, you must notify the Department at least 30 days before its expiration. Any activities performed under a noticed general permit are subject to general conditions required in Rule 62-341.215, F.A.C. (attached), and the specific conditions of Rule

*"More Protection, Less Process"*

*Printed on recycled paper.*

62-341.453, F.A.C. (attached). Any deviations from these conditions may subject the permittee to enforcement action and possible penalties.

Authority for review- Part IV of Chapter 373, Florida Statute, Title 62, F.A.C. and in accordance to operating Agreements executed between the department and the Water management Districts, as referenced in Chapter 62-113, F.A.C.

**PROPRIETARY REVIEW - APPROVED**

A review of the location of your proposed project indicates that it is not on state-owned submerged lands. Therefore, your project is exempt from the further requirements of Chapter 253, Florida Statutes.

**SPGP REVIEW - APPROVED**

Your project has been reviewed for compliance with a State Programmatic General Permit (SPGP). Your proposed activity as outlined on the attached drawings is in compliance with the SPGP program. U.S. Army Corps of Engineers (Corps) Specific conditions apply to your project, if attached. **No further permitting for this activity is required by the Corps.**

Authority for review - an agreement with the U.S. Army Corps of Engineers entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection State Programmatic General Permit, Section 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

If you revise your project after submitting the initial joint application the above authorization(s) may no longer be valid. Please contact us prior to construction if you wish to make any changes. Also, if you have any questions, please contact Terry Cartwright at (813) 632-7600, extension 487. When referring to this project, please use the file number listed above.

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Cece McKiernan  
Environmental Administrator  
Environmental Resource Management

Copies furnished to:  
File

Enclosures:

Ch. 62-341.453, F.A.C.

Ch. 62-341.215, F.A.C.

General Conditions for Federal Authorization for SPGP III-R1

Notice Of Rights Of Substantially Affected Persons

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this determination, including all copies, was mailed before the close of business on 3/23/06, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to 120.52(7),  
Florida Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

Clerk

Date

*Robinson* 3/23/06

**62-341.453, F.A.C. - General Permit for Installation, Maintenance, Repair, and Removal of Underground Cable, Conduit, or Pipeline.**

- (1) A general permit is hereby granted for the installation, maintenance, repair, and removal of underground cable, conduit, or pipeline that transmit electricity, communication signals, potable water, raw water, reclaimed water, domestic wastewater, propane gas or natural gas.
- (2) This general permit is subject to the following special conditions:
  - (a) The maximum width of the disturbed corridor in wetlands shall not exceed 30 feet. The maximum width of the excavated trench shall not exceed eight feet, with temporary spoil storage banks not to exceed ten feet in width;
  - (b) The total area of wetland disturbance shall not exceed 0.5 acres of forested wetlands per ten miles of cable, conduit, or pipeline;
  - (c) For a trench with a top width greater than three feet in herbaceous wetlands, the upper layer of the soil horizon shall initially be scraped and segregated into a spoil bank that is separated from the spoil bank resulting from the excavation of the trench for the utility line. The upper layer of the soil horizon shall be replaced as the last step of restored grades to facilitate natural revegetation;
  - (d) Maintenance trimming or removal of trees in wetlands will be conducted only within the impacted areas authorized under this general permit and only as necessary to perform repairs on the cable, conduit, or pipeline;
  - (e) This general permit does not authorize construction in surface waters other than wetlands;
  - (f) There shall be no net placement of permanent fill resulting from the activities authorized by this general permit;
  - (g) There shall be no dredging or filling in wetlands to access the work areas authorized by this general permit, except for temporary mats. All temporary mats shall be removed within thirty days after completion of the installation of the line within the wetland portion of the project;
  - (h) The works authorized by this general permit shall not impede the flow of water in wetlands or other surface waters, except for a maximum period of 30 days during construction, provided that the impeded flow does not cause flooding and shall not adversely affect the wetlands or other surface waters;
  - (i) Temporary spoil banks shall contain breaches that prevent impoundment or restriction of surface water flows;
  - (j) This general permit does not authorize the installation of conduit for draining wetlands or other surface waters;
  - (k) Pre-construction ground elevations and the contours of all disturbed soils, including vehicle ruts in wetlands and other surface waters, shall be restored within 30 days of completion of line installation. Restored grades shall be stabilized within 72 hours following completion of elevation and contour restoration to minimize erosion;
  - (l) Vehicle usage in wetlands and other surface waters shall be conducted so as to minimize tire rutting and erosion impacts;
  - (m) For purposes of this general permit, vehicular access in wetlands and other surface waters shall be limited to existing roads, trails, rights-of-way or easements, and to other previously disturbed corridors where they exist;
  - (n) This general permit shall not apply in Outstanding Florida Waters, Outstanding National Resource Waters, Aquatic Preserves, or Class I waters; and
  - (o) During the initial clearing event and when conducting subsequent normal maintenance activities, the permittee shall eradicate all Brazilian pepper (*Schinus terebinthifolius*), Australian pine (*Casuarina* spp.), and punk tree (*Melaleuca quinquinerva*) from the wetland portions of the utility right of way.

*Specific Authority 373.026(7), 373.043, 373.118(1), 373.406(5), 373.414(9), 373.418, 403.805(1) FS.  
Law Implemented 373.118(1), 373.406(5), 373.413, 373.414(9), 373.416, 373.418 FS. History—New 10-3-95.*

## GENERAL CONDITIONS FOR ALL NOTICED GENERAL PERMITS

### Rule 62-341.215, Florida Administrative Code

- (1) The terms, conditions, requirements, limitations, and restrictions set forth in this section are general permit conditions and are binding upon the permittee for all noticed general permits in this chapter. These conditions are enforceable under Part IV of Chapter 373, F.S.
- (2) The general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit. A violation of the permit is a violation of Part IV of Chapter 373, F.S., and may result in suspension or revocation of the permittee's right to conduct such activity under the general permit. The Department also may begin legal proceedings seeking penalties or other remedies as provided by law for any violation of these conditions.
- (3) This general permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.
- (4) This general permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the general permit as provided by Chapter 62-330, F.A.C.
- (5) The general permit does not relieve the permittee from liability and penalties when the permitted activity causes harm or injury to: human health or welfare; animal, plant or aquatic life; or property. It does not allow the permittee to cause pollution in contravention of Florida Statutes and Department rules.
- (6) The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
- (7) The authorization to conduct activities pursuant to a general permit may be modified, suspended or revoked in accordance with Chapter 120, F.S., and Section 373.429, F.S.
- (8) This permit shall not be transferred to a third party except pursuant to Section 62-343.130, F.A.C. The permittee transferring the general permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located.
- (9) Upon reasonable notice to the permittee, Department staff with proper identification shall have permission to enter, inspect, sample and test the permitted system to insure conformity with the plans and specifications approved by the permit.
- (10) The permittee shall maintain any permitted system in accordance with the plans submitted to the Department and authorized in this general permit.
- (11) A permittee's right to conduct a specific noticed activity under this noticed general permit is authorized for a duration of five years.
- (12) Construction, alteration, operation, maintenance, removal and abandonment approved by this general permit shall be conducted in a manner which does not cause violations of state water quality standards, including any antidegradation provisions of Sections 62-4.242(1)(a) and (b), 62-4.242(2) and (3), and 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters. The permittee shall implement best management practices for erosion, turbidity, and other pollution control to prevent violation of state water quality standards. Temporary erosion control measures such as sodding, mulching, and seeding shall be implemented and shall be maintained on all erodible ground areas prior to and during construction. Permanent erosion control measures such as sodding and planting of wetland species shall be

completed within seven days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands and other surface waters exists due to the permitted activity. Turbidity barriers shall remain in place and shall be maintained in a functional condition at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

- (13) The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities, which may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any system authorized by the general permit.
- (14) The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate. Specific Authority: 373.026, 373.043, 373.044, 373.118, 373.406, 403.813, 403.814, F.S. Law Implemented: 373.026, 373.043, 373.046, 373.118, 373.403, 373.413, 373.416, 373.418, 373.419, 373.422, 373.423, 373.426, 403.813, 403.814, F.S. History—New 10-3-95.



## GENERAL CONDITIONS FOR FEDERAL AUTHORIZATION FOR SPGP III-R1

1. The time limit for completing the work authorized ends on June 17, 2006.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature and mailing address of the new owner in the space provided below and forward a copy of the permit to this office to validate the transfer of this authorization.
5. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

### Further Information:

1. Limits of this authorization.
  - a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
  - b. This permit does not grant any property rights or exclusive privileges.
  - c. This permit does not authorize any injury to the property or rights of others.
  - d. This permit does not authorize interference with any existing or proposed Federal projects.
2. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:
  - a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or Construction deficiencies associated with the permitted work.

Name: Sarasota County Environmental Services

File No.: 58-0258400-001

Page 7 of 10

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

3. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

4. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 3 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CER 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFEE-SIGNATURE)

\_\_\_\_\_  
(DATE)

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(ADDRESS)

## RIGHTS OF AFFECTED PARTIES

This letter acknowledges that the proposed activity may be conducted under general permit rule 62-341.453. This determination is final and effective on the date filed with the Clerk of the Department unless a sufficient petition for an administrative hearing is timely filed under sections 120.569 and 120.57 of the Florida Statutes as provided below. If a sufficient petition for an administrative hearing is timely filed, this determination automatically becomes only proposed agency action subject to the result of the administrative review process. Therefore, on the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because an administrative hearing may result in the reversal or substantial modification of this action, the applicant is advised not to commence construction or other activities until the deadlines noted below for filing a petition for an administrative hearing or request for an extension of time have expired.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under rule 62-110.106(4) of the Florida Administrative Code, a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

If a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Intervention will be permitted only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

In accordance with rule 62-110.106(3), Florida Administrative Code, petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing within the appropriate time period shall constitute a waiver of that right.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

Name: Sarasota County Environmental Services

File No.: 58-0258400-001

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- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Under sections 120.569(2)(c) and (d) of the Florida Statutes, a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

This determination constitutes an order of the Department. Subject to the provisions of paragraph 120.68(7)(a) of the Florida Statutes, which may require a remand for an administrative hearing, the applicant has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of section 373.114(1)(a) or 373.4275 of the Florida Statutes, may also seek appellate review of this order before the Land and Water Adjudicatory Commission under section 373.114(1) or 373.4275 of the Florida Statutes. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of paragraph 20.255(5)(a) of the Florida Statutes, may also seek appellate review of the order before the Land and Water Adjudicatory Commission under subsection 20.255(5) of the Florida Statutes. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the order is filed with the Clerk of the Department.

**Morris, John R.**

**From:** Gerald Boyce [gboyce@ci.venice.fl.us]  
**Sent:** Thursday, January 26, 2006 2:48 PM  
**To:** Morris, John R.; fcoggins@scgov.net  
**Cc:** Duggan, Michele; Morgan, Steve; Pelz, Susan; LEROSE@scgov.net  
**Subject:** RE: Sarasota Central Landfill -- alternate cover material

Good Afternoon John,

In response to your unanswered comments:

- 1) Our plan at this time is to deliver the lime material on a daily basis as it is to be used and not to stockpile it at all.
- 2) Any material that would not initially pass a paint filter test would be dewatered at the City's lime material holding site to a point that would pass a paint filter test before being transported to the landfill for mixing.

My question is what should we do to demonstrate that the use of the residual material as 50% of the intermediate cover does not cause exceedances of the referenced surface water criteria? If we do a TCLP on a mixture of 50% lime material and 50% soil being used for intermediate cover, will that suffice as the needed demonstration?

Thank you for your consideration. If any other questions arise, please bring them to my attention and I will address them as soon as possible.

Thanks.

Gerald

>>> "Morris, John R." <John.R.Morris@dep.state.fl.us> 1/25/2006 5:31:52 PM >>>  
 Frank:

DISCUSSED w/ GERALD 1/30/06, CITY OF VENICE &  
 SARASOTA COUNTY SOLID WASTE FOLKS MEETING TODAY (1/31/06) TO  
 DISCUSS THE USE OF THE MATERIAL AS ALTERNATE INTERMEDIATE  
 COVER; TOLD GERALD THE COUNTY WOULD NEED TO SUBMIT A SAMPLE  
 PLAN TO DEP FOR CONSIDERATION  
 OF THIS USE OF THE LIME RESIDUAL MATERIAL  
 JRM 1/31/06

The November 3, 2005 e-mail message that I forwarded to Gerald Boyce included an attached file that provided review comments in response to a request from Sarasota County regarding the use of the residual materials in the lime holding ponds at a former City of Venice treatment facility for use as alternate initial cover at Sarasota Central Landfill. It seems that a different question is being asked now -- can the same residual material be used as intermediate cover?

The review comments that were identified in the previous e-mail message remain to be answered, including:

- How and where will the residual material be stockpiled upon receipt at Sarasota Central Landfill? If the residual material is intended to be stockpiled outside the existing ground water monitoring network, additional characterization of potential soil and ground water impacts is needed.
- How will the saturated residual materials (located below the water table surface) be dewatered? All residual materials received at Sarasota Central Landfill must meet the paint filter test.

If the intended use of the residual material is for intermediate cover, additional evaluation of the potential for constituents to leach from the residual material is needed for comparison with the criteria presented for Class III surface waters (predominantly freshwater) in Chapter 62-302, F.A.C. The additional evaluation is required as runoff from landfill areas that have intermediate cover is considered to be "non-contact" water that is typically discharged to the stormwater system.

The County needs to provide supplemental analytical data to demonstrate that the use of the residual material as 50% of the intermediate cover does not cause exceedances of the referenced surface water criteria. Please note that several metals (beryllium, mercury and silver) have surface water criteria that are more restrictive than ground water standards. Similarly, several other metals (cadmium, chromium, copper, lead, nickel and zinc) have hardness-dependent surface water

1/31/2006

criteria that require the total hardness of the receiving water body to be determined.

The data previously provided to the Department is insufficient to demonstrate that the use of the residual material as intermediate cover at Sarasota Central Landfill is appropriate. Please contact me if you have questions about this message.

John

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*Our new office is located at 13051 N. Telecom Pkwy., Temple Terrace, FL 33637-0926.*

John R. Morris, P.G., FDEP SW District Office, Solid Waste Section  
Telephone: 813-632-7600, ext. 336; suncom 514-9155, ext. 336  
Facsimile: 813-632-7664; E-mail: john.r.morris@dep.state.fl.us

-----Original Message-----

**From:** Franklin Coggins [mailto:fcoggins@scgov.net]  
**Sent:** Friday, January 20, 2006 1:57 PM  
**To:** gboyce@ci.venice.fl.us; Morris, John R.  
**Cc:** Duggan, Michele; Morgan, Steve; Pelz, Susan; Lois Rose  
**Subject:** Re: Sarasota Central Landfill -- alternate cover material

The bottom line John is this "Will FDEP approve the use of the material as intermediate cover with a mixture ratio of approximately 50/50 with soil. Meaning can we discharge the runoff from this to storm water. Provided that it does not exceed any parameters that would cause pollution to the storm water system.

Frank Coggins  
Manager, Solid Waste Operations  
941-650-4160  
[fcoggins@scgov.net](mailto:fcoggins@scgov.net)

>>> "Morris, John R." <John.R.Morris@dep.state.fl.us> 1/20/2006 11:53:27 AM >>>

Gerald:

The attached file represents the e-mail message that I referred to in our telephone conversation today. The Word file attached to the e-mail message dated November 3, 2005 provided Sarasota County with the Department's initial comments regarding the potential use of residual materials contained in the lime holding ponds at the former City of Venice treatment facility as alternate cover material at Sarasota Central landfill.

Please contact me if you have questions about these comments.

John

<<FW: Residual Material - Lime Holding Ponds- City of Venice>>

\*\*\*\*\*

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Facsimile: 813-632-7664; E-mail: [john.r.morris@dep.state.fl.us](mailto:john.r.morris@dep.state.fl.us)

**Morris, John R.**

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**From:** Morris, John R.  
**Sent:** Wednesday, January 25, 2006 5:32 PM  
**To:** Frank Coggins (E-mail)  
**Cc:** Duggan, Michele; Morgan, Steve; Pelz, Susan; Lois Rose; Gerald Boyce (E-mail)  
**Subject:** RE: Sarasota Central Landfill -- alternate cover material

Frank:

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John

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**Cc:** Duggan, Michele; Morgan, Steve; Pelz, Susan; Lois Rose

1/25/2006



**Subject:** Re: Sarasota Central Landfill -- alternate cover material

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Frank Coggins  
Manager, Solid Waste Operations  
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>>> "Morris, John R." <[John.R.Morris@dep.state.fl.us](mailto:John.R.Morris@dep.state.fl.us)> 1/20/2006 11:53:27 AM >>>

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Please contact me if you have questions about these comments.

John

<<FW: Residual Material - Lime Holding Ponds- City of Venice>>

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1/25/2006

**Morris, John R.**

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**From:** Morris, John R.  
**Sent:** Friday, January 20, 2006 11:53 AM  
**To:** Gerald Boyce (E-mail)  
**Cc:** Frank Coggins (E-mail); Lois Rose (E-mail); Pelz, Susan; Morgan, Steve; Duggan, Michele  
**Subject:** Sarasota Central Landfill -- alternate cover material

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John



FW: Residual  
Material - Lime H...

\*\*\*\*\*

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