

## Events Scheduled

1 of 90

Site #: 0177982 Name: ENTERPRISE CLASS III LANDFILL  
Permit #: 0177982-001-SC Type/Subtype: SC /T3 Received: 12-DEC-2000  
Project #: 001 Name: ENTERPRISE CLASS III LANDFILL

&gt; STOP CLOCK: Done

Event	Begin Date	Prd	Due Date	Rmn	Status	End Date
Completeness Rev	04-APR-2001	30	04-MAY-2001		Incomplete	02-MAY-2001
RESET CLOCK	02-MAY-2001	1	03-MAY-2001		Done	02-MAY-2001
Awaiting Additi	02-MAY-2001	45	16-JUN-2001		Received	01-JUN-2001
Completeness R	01-JUN-2001	30	01-JUL-2001		Complete	01-JUN-2001
Determine Age	01-JUN-2001	90	30-AUG-2001		Issue	30-AUG-2001
Mail Public	30-AUG-2001	10	09-SEP-2001		Done	30-AUG-2001
Date of Pub	30-AUG-2001	999	25-MAY-2004		Published	17-SEP-2001
Issue Fina	17-SEP-2001	14	01-OCT-2001		Issued	05-OCT-2001
ISSUE PER	05-OCT-2001	1	06-OCT-2001		Issued	05-OCT-2001
STOP CLOC	05-OCT-2001	1	06-OCT-2001		Done	05-OCT-2001
<b>STOP CLOCK</b>	30-AUG-2001	1	31-AUG-2001		Done	<b>30-AUG-2001</b>

At last record.

Count: \*16

&lt;List&gt;&lt;Replace&gt;

perMits	Events	Payment	Site	Facility	party	Reports	>
----- Permitting Application -----							
+----- SITE Permit -----+							
Site Name: ENTERPRISE_CLASS_III_LANDFILL						Site #: 0177982	
County: PASCO				Comments: N RPAs: N # Cases: 0			
+----- Project -----+							
Permit #:		Project #:001 Received:12-DEC-2000 CRA#:81746					
Permit Office: SWD (DISTRICT)				Agency Action: Pending			
Project Name: ENTERPRISE_CLASS_III_LANDFILL Desc:							
Type/Sub/Des: SC/T3 SANI. LANDFILL_CLASS_III						COE #:	
Logged: 13-DEC-2000 Issued:				Expires:		OGC:	
Fee: 6000.00		Fee Recd: 6000.00		Dele:		Override: NONE	
+----- Related Party -----+							
Role: APPLICANT		Begin: 13-DEC-2000		End:			
Name: LARKIN, JON				Company: SID LARKIN & SON, INC			
Addr: P O BOX 1747							
City: DADE CITY				State: FL Zip: 33526-		Country: U.S.A.	
Phone: 813-713-2704		Fax:					
+----- Processors -----+							
Processor: FORD_K				Y Active: 13-DEC-2000 Inactive:			
+-----							
Enter_date_application_was_received. DD-MON-YYYY							
Count: *1		v		<Replace>			

AREA: SWD

Cash Receiving Application  
Collection Point Log Remittance

CRAF006A

Tot: \$10,000.00

SY\$REMT: 408549 Type: CP Recvd Date: 12-DEC-2000 Status: RECEIVED  
SY\$RCPT: 333952 PNR: Check #: 25741 Amount: 10,000.00  
SSN/FEI#: Name: HARTMAN & ASSOCIATES INC  
First: Middle: Title: Suf:  
Address1: 201 E PINE STREET Short Comments:  
Address2: SUITE 1000 S-SO/177982-001/177982-02  
City: ORLANDO ST: FL Zip: 32801- Country:

> P A Y M E N T (S) <

	Distr	CL	Object	Payment	Reference#	Applic/	S
			Code/Description.....	Amount.....		Fund	T
							A
SY\$PAYT	Area..						
430969	SWD		002244 SOLID_WASTE-CON	\$6,000.00	177982-001	PA PFTF	CO
430970	SWD		002245 SOLID_WASTE-OPE	\$4,000.00	177982-002	PA PFTF	CO

COMMIT FREQUENTLY \$10,000.00 Payment total

Press <TAB> to accept Collection Point or enter F&A.

Count: \*1

<Replace>

**HARTMAN & ASSOCIATES, INC.**

engineers, hydrogeologists, surveyors &amp; management consultants

201 EAST PINE STREET, SUITE 1000, ORLANDO, FLORIDA 32801

TELEPHONE (407) 839-3955

FAX (HYDROGEOLOGY) - (407) 839-2066

FAX (ADMIN./UTILITY ENGINEERING) - (407) 839-3790

FAX (CIVIL ENG./SURVEY/FINANCE) - (407) 481-8447

**FACSIMILE TRANSMITTAL**

TO: Kim Ford FROM: Jennifer Deal  
FAX: 813-744-6125 DATE: 10/1/01  
RE: Notice of Proposed Agency Action PROJECT: HAI# 99-331.01, Ph 1

We are sending you 3 pages, including this cover sheet. These pages are being transmitted as indicated below:

- ☐ As requested  
☒ For your use  
☐ For your comments  
☐ For your approval

## HARD COPY:

- ☒ Will be sent via regular mail - certified  
☐ Will be sent via overnight mail  
☐ Will be sent by facsimile only  
☐ Will be sent by hand delivery

## MESSAGE:

Kim,

The following letter and proof of publication were sent to you on September 28, 2001. You should receive it today or tomorrow. Please call me to discuss the anticipated issue date for the permits.  
Thanks.

Jennifer

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION  
PLEASE CALL (407) 839-3955, Ext. 168

# HARTMAN & ASSOCIATES, INC.

## PRINCIPALS:

Gerald C. Hartman, P.E., DEE  
 Harold E. Schmidt, Jr., P.E., DEE  
 James E. Christopher, P.E.  
 Charles W. Drake, P.G.  
 Mark A. Hymaning, P.E., MDA  
 Mark J. Luker, P.S.M.  
 William D. Musser, P.E.

## SENIOR ASSOCIATES:

C. Zachary Fuller, P.E.  
 Marco H. Zocci, C.M.C.  
 J. Richard Voorhees, P.E., DEE  
 Rodrick K. Cashe, P.E.  
 Lawrence E. Jenkins, P.S.M.

engineers, hydrogeologists, surveyors & management consultants

September 28, 2001

HAI #99-331.01

Phase 1

File 12.0

## ASSOCIATES:

Douglas R. Dufrenoy, P.G.  
 Jan D. Fox, P.E.  
 James E. Golden, P.G.  
 Troy E. Layton, P.E.  
 Andrew T. Woodcock, P.E.  
 Daryl C. Walk, P.E.  
 Gerald C. Malchow, M.B.A.  
 John P. Thurney, P.E.  
 W. Thomas Roberts, III, P.E.  
 Michael B. Bomar, P.E.  
 Mark A. Gabriel, P.E.  
 George S. Flint, M.B.A.  
 Stephen J. Rapp, P.E.  
 Jennifer L. Woodall, P.E.  
 L. Todd Shaw, P.E.

Via Certified Mail

7000 1760 0004 9399 0382

Mr. Kim Ford, P.E.  
 Florida Department of Environmental Protection  
 Southwest District  
 3804 Coconut Palm Drive  
 Tampa, Florida 33619

Subject: Sid Larkin & Son, Inc.  
 Enterprise Recycling & Disposal Facility  
 Proof of Publication of Notice of Intent to Issue  
 DEP Nos. 177982-001-SC, 177982-002-SO  
 Pasco County, Florida


Dear Mr. Ford:

On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. is submitting the proof of publication of the Department's Intent to Issue for the above referenced permits. The legal ad was published in the Pasco Times on September 17, 2001.

Please call me if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

  
 Jennifer L. Deal, E.I.  
 Engineer

## Attachment

JLD/sma/99-331.01/corresp/larkin-ad.doc

cc: Jon Larkin, Sid Larkin & Son, Inc.

991287848

# PASCO TIMES

An Edition of the St. Petersburg Times

Published Daily

Port Richey, Pasco County, Florida

## STATE OF FLORIDA COUNTY OF PASCO:

Before the undersigned authority personally appeared Debra Hoover who on oath says that she is Legal Clerk of the Pasco Times a daily newspaper published at Port Richey, in Pasco County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of RE: Notice of Proposed Agency Action

\_\_\_\_\_ in the \_\_\_\_\_ Court  
was published in said newspaper in the issues of  
September 17, 2001

Affiant further says the said Pasco Times is a newspaper published at Port Richey, in said Pasco County, Florida, and that the said newspaper has heretofore been continuously published in said Pasco County, Florida, each day and has been entered as second class mail matter at the post office in Port Richey in said Pasco County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Debra Hoover

Sworn to and subscribed before me this 17th day  
of September, 2001



Kimberly L. Cronshaw  
MY COMMISSION # CC815950 EXPIRES  
June 26, 2003  
BONDED THROUGH TROY FAIN INSURANCE, INC.

Kimberly L. Cronshaw  
Signature of Notary Public

Personally known X or produced identification \_\_\_\_\_

Type of identification produced \_\_\_\_\_

### State of Florida Department of Environmental Protection Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue permits (File Nos. 177982-001-SC and 177982-002-SD) to Sid Larkin & Son, Inc. c/o Mr. Jan Larkin, P.O. Box 1747, Dade City, Florida 33526, who applied on December 12, 2000 to the Department of Environmental Protection for permits to construct and operate a Class III Landfill (of approximately 110 acres, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida).

Persons whose substantial interests are affected by the Department's proposed permitting decision 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 Office of General Counsel of the Department of 3500 Commonwealth Boulevard, Mail Station 25, Tallahassee, Florida 32399-3000, within fourteen (14) days of publication of this notice. A copy of the petition must also be mailed at the time of filing to the applicant at the address indicated. Failure to file a request for hearing within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under 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; and (f) A statement of which rules or statutes petitioner contends require 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, Florida Statutes, 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, Florida Administrative Code.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.  
(991287848) 9/17/01

Florida Department of  
**Environmental Protection**

**Southwest District**

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CONVERSATION RECORD

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Date September 7, 2001

Subject Enterprise Class III Landfill

Time 1220

Permit No. Pending 177982-002-SO

County Pasco

M s. Jennifer Deal

Phone No. 407-839-3955

Representing Hartman & Assoc.

☒ [ X ] Phoned Me    ☐ [ ] Was Called    ☐ [ ] Scheduled Meeting    ☐ [ ] Unscheduled Meeting

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

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

- J.D. called to discuss two Specific Conditions of the draft operating permit
- regarding Specific Condition No. 27.b., J.D. wanted to know if the minimum criteria should not be exceeded outside the zone of discharge rather than the footprint of the landfill as indicated in the draft permit; I indicated that the wording of the condition was consistent with Rule 62-520.400, F.A.C. ("free froms"); the standards for class G-I/G-II ground waters referenced in Rule 62-520.420, F.A.C. (primary and secondary ground water standards) are subject to the zone of discharge; I indicated that the condition was consistent with other permits issued by the SWD and that I was not inclined to change it
- regarding Specific Condition No. 33.b., J.D. indicated that as written this condition indicates that a minor permit modification is required for new/replacement well construction except for those wells listed in Specific Condition No. 31; J.D. wanted to know if it should reference Specific Condition Nos. 30 and 31; I told her I would check into it and call her back
- upon review of the draft permit, Specific Condition No. 33.b. should refer to the wells listed in Specific Condition No. 30; it should not refer to Specific Condition No. 31 as the piezometers have already been installed and were utilized in the permitting of the facility (see attached)

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9/7/01 @ 1505 - left message for J.D. on voice mail, indicating that Specific Condition No. 33.b. should refer to the wells listed in Specific Condition No. 30

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Signature

*J. Morris*

John R. Morris, P.G.

Title

PG I, Solid Waste Section

**SPECIFIC CONDITIONS:**

The wells required to be monitored for waste disposal in Cells 1-8 include: MW-1, MW-1A, MW-3, MW-4, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8, MW-9, MW-10, MW-11, MW-12A, MW-12B, and MW-14. A new permit or permit modification shall be required to reflect the monitoring requirements for waste disposal in Cells 9-16.

c. Ground water levels shall be measured at all wells and piezometers listed in Specific Condition Nos. 30 and 31, respectively, for the sampling events described in Specific Condition Nos. 32.a. and 32.b. to a precision of 0.01 foot. The ground water contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for all wells and piezometers.

33. **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. The wells listed in Specific Condition No. 30 shall be constructed in accordance with the information provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.2, revised 5/18/01, prepared by Hartman & Associates, Inc. The surficial aquifer wells shall be constructed to be consistent with Figure 16, titled "Proposed Surficial Aquifer Monitor Well Details", revised 4/2/01; the Floridan aquifer wells shall be constructed to be consistent with Figure 17, titled "Floridan Aquifer Monitor Well Design", revised 5/10/01, prepared by Hartman & Associates, Inc.

b. Prior to construction of all new or replacement wells (except for those wells listed in Specific Condition No. ~~31~~<sup>30</sup>, the permittee shall request and receive Department approval of a minor permit modification. X

c. Construction details for all new or replacement wells shall be provided to the Department's Southwest District Office on Department Form No. 62-522.900(3), Monitor Well Completion Form (attached).

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

e. A surveyed drawing shall be submitted in accordance with Rule 62-701.510(3)(d)(1), F.A.C., showing the location of all new 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, NGVD. The surveyed drawing shall include the monitor well identification number, 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.



# U.S. Postal Service CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:

*Srd Larkin & Son, Inc.*

Postage \$

Certified Fee

Return Receipt Fee  
(Endorsement Required)

Restricted Delivery Fee  
(Endorsement Required)

Total Postage & Fees \$

Postmark  
Here

*8-30-01*

Name (Please Print Clearly) (to be completed by mailer)

*Mr. Jon Larkin*

Street, Apt. No., or P.O. Box No.

*P O Box 1747*

City, State, ZIP+4

*Dade City, FL 33526*

PS Form 3800, July 1999

See Reverse for Instructions

7099 3400 0001 9758 8763

## SENDER: Intent To Issue To-Receipts

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered. *17782-001-SC / 17792-002-SO*

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

*Srd Larkin & Son, Inc  
c/o Mr Jon Larkin  
P O Box 1747  
Dade City, FL 33526*

4a. Article Number

*7099 3400 0001 9758 8763*

4b. Service Type

- |   |                                    |
|---|------------------------------------|
| <input type="checkbox"/> Registered                     | <input type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail                   | <input type="checkbox"/> Insured   |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD       |

7. Date of Delivery

*9/6/01*

5. Received By: (Print Name)

*Jon Larkin*

6. Signature: (Addressee or Agent)

**X**

8. Addressee's Address (Only if requested and fee is paid)

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



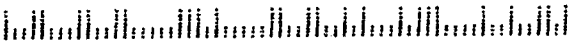
First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

State of Florida  
Department of Environmental Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619-8311

RECEIVED  
SEP 17 2001  
Department of Environmental Protection  
SOUTH FLORIDA DISTRICT

Kim Ford - Solid Waste



**THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

August 30, 2001

In the matter of an  
Application for Permit by:

DEP File Nos. 177982-001-SC and  
177982-002-SO  
Pasco County

Sid Larkin & Son, Inc.  
c/o Mr. Jon Larkin  
P. O. Box 1747  
Dade City, FL 33526

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**INTENT TO ISSUE**

The Department of Environmental Protection gives notice of its Intent to Issue permits for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Sid Larkin & Son, Inc., c/o Mr. Jon Larkin, applied on December 12, 2000 to the Department of Environmental Protection for permits to construct and operate a Class III landfill and recycling facility located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida.

The Department has permitting jurisdiction under Sections 403.707 and 403.861, Florida Statutes (F.S.), and Chapters 62-4, 62-296, 62-330, 62-522 and 62-701, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that solid waste construction and operation permits are required for the proposed work.

The Department intends to issue these permits based on its belief that reasonable assurances have been provided to indicate that the proposed project will not adversely impact water quality and the proposed project will comply with appropriate provisions of Chapters

62-4 and 62-701, F.A.C., subject to the specific conditions attached in the permits. Pursuant to Section 403.815, Florida Statutes, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on Permit Application. The notice must be published one time only within thirty (30) days of receipt of this intent in the legal ad section of a newspaper of general circulation in the area affected. Proof of publication must be provided to the Department within seven (7) days of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits. The Department will issue the permits with the attached conditions unless petition for administrative proceeding (hearing) is filed pursuant to the provisions of Sections 120.569 and 120.57, Florida Statutes.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes. 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 filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any other person must be filed within fourteen days of publication of the public notice or within fourteen days of receipt

of this notice of intent, whichever occurs first. A petitioner must 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 (or a request for mediation, as discussed below) 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 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must 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 the 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 the petitioner, if any;
- (e) A statement of the facts that the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement identifying the rules or statutes that 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 that the petitioner wants the Department to take with respect to the action or proposed action addressed in this notice of intent.

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 of intent. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Any person may elect to pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing) and by showing how the substantial interests of each mediating party are affected by the Department's action or proposed action. The agreement must be filed in (received by) the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

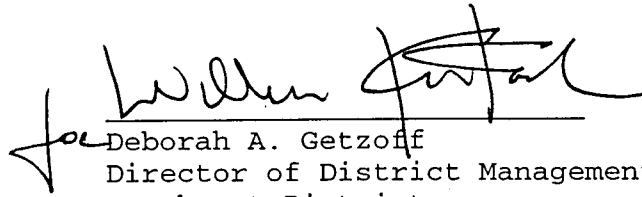
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 for requesting and holding an administrative hearing. 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. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions within fourteen days of receipt of this notice of intent. 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.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Deborah A. Getzoff  
Director of District Management  
Southwest District

DAG/kbfb

Attachments


Copies furnished to:

Elected Officials Notification List  
Roderick Cashe, P.E., Hartman & Associates  
Douglas Beason, OGC Tallahassee  
Robert Butera, P.E., FDEP Tampa

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this **NOTICE OF INTENT TO ISSUE**, and all copies were mailed before the close of business on August 30, 2001 to the listed persons.  
Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED,**  
on this date, pursuant to  
Section 120.52(11), Florida Statutes,  
with the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

  
(Clerk)

8-30-01  
(Date)



State of Florida  
Department of Environmental Protection  
Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue permits (File Nos. 177982-001-SC and 177982-002-SO) to Sid Larkin & Son, Inc. c/o Mr. Jon Larkin, P.O. Box 1747, Dade City, Florida 33526, who applied on December 12, 2000 to the Department of Environmental Protection for permits to construct and operate a Class III Landfill of approximately 110 acres, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida.

Persons whose substantial interests are affected by the Department's proposed permitting decision 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 Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within fourteen (14) days of publication of this notice. A copy of the petition must also be mailed at the time of filing to the applicant at the address indicated. Failure to file a request for hearing within this time period shall constitute a waiver any right such person may have to request an administrative determination (hearing) under 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; and (f) A statement of which rules or statutes petitioner contends require 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, Florida Statutes, 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, Florida Administrative Code.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

RULES OF THE ADMINISTRATION COMMISSION, MODEL RULES OF PROCEDURE  
CHAPTER 28-5, DECISIONS DETERMINING SUBSTANTIAL INTERESTS  
PART II, FORMAL HEARINGS  
A) PREHEARING PROCEDURES

28-5.201 Initial of Formal Proceedings.

(1) Initiation of formal proceedings shall be made by petition to the Agency responsible for rendering final Agency action. The term petition as used herein includes any application or other document which expresses a request for formal proceedings. Each petition should be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced and indented.

(2) All petitions filed under these rules should contain:

(a) The name and address of each Agency affected and each Agency's file or identification number, if known;

(b) The name and address of the petitioner or petitioners, and an explanation of how his/her substantial interests will be affected by the Agency determination;

(c) A statement of when and how petitioner received notice of the Agency decision of intent to render a 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, as well as the rules and statutes which entitle the petitioner to relief;

(f) A demand for relief to which the petitioner deems himself entitled; and

(g) Other information which the petitioner contends is material.

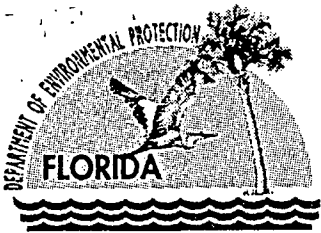
(3) Upon receipt of a petition for formal proceedings, the Agency shall either accept or deny the petition, and if accepted shall elect either to conduct the hearing itself through the Agency head, or member thereof, assign a person authorized by Subsection 120.57(1)(a) or other authority, or request that a Hearing Officer from the Division of Administrative Hearings be assigned to conduct the hearing.

(a) A petition may be denied if the petitioner does not state adequately a material factual allegation, such as a substantial interest in the Agency determination, or if the petition is untimely.

(b) The Agency shall promptly give written notice to all parties of the action taken on the petition, and shall state with particularity its reasons therefore.

(4) If the Agency elects to request that a Hearing Officer of the Division of Administrative Hearings be assigned to conduct the hearing, the Agency shall forward the petition, and all materials filed with the Agency, to the Division of Administrative hearings, and shall notify all parties of its action.

Specific Authority: 120.53(1), 120.54(10), F.S.  
Law Implemented: 120.57, F.S.  
History: New 3-23-80



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

## PERMITTEE

Sid Larkin & Son, Inc.  
c/o Mr. Jon Larkin  
P.O. Box 1747  
Dade City, FL 33526

## PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895  
Permit No: 177982-001-SC  
Date of Issue:  
Expiration Date:  
County: Pasco  
Lat/Long: 28°19'53"  
82°08'06"  
Sec/Town/Rge: 5 & 8/25S/22E  
Project: Enterprise Class III  
Landfill and Recycling  
Facility

# DRAFT

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 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 construct a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

### 1. Class III Landfill

General Information: Approximately 110 acres out of the site property of 155 acres are designated for disposal in a total of 16 cells in a series of seven sequences. The maximum height will be elevation 170.0, with the top sloping outward from the west-center portion of the landfill. The bottom elevation varies for each disposal area as shown on the site plans, and shall be sloped to drain to the north and east and away from previously filled disposal areas.

Replaces Permit No.: N/A, new

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"

PERMITTEE: Sid Larkin & Son, Inc.

PERMIT NO.: /7982-001-SC  
Enterprise Class III Landfill

**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.

**DRAFT**

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.

**DRAFT**

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.

**DRAFT**

PERMITTEE: Sid Lark & Son, Inc.

PERMIT NO.: 7982-001-SC  
Enterprise Class III Landfill

**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.

**DRAFT**



SPECIFIC CONDITIONS:

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1. **Facility Designation.** This site shall be classified as a Class III landfill for disposal of construction and demolition debris and Class III wastes, and shall be constructed and operated in accordance with all applicable requirements of Chapters 62-4, 62-522 and 62-701, Florida Administrative Code.

2. **Permit Application Documentation.** This permit is valid for Sequences 1 and 2 construction of the facility in accordance with the reports, plans and other information as follows:

- Permit application document and supporting information received on November 20, 2000;
- Responses with supporting information by Hartman and Associates dated March 20, April 2, and May 18, 2001, received on March 23, April 4, and May 21, 2001, respectively;
- Engineering Report dated June 2001, Operations Plan dated June 2001, and site plans, received on June 21, 2001;
- Letter of clarification with attachments, by Hartman and Associates dated July 26, 2001, received on July 30, 2001;

and in accordance with all applicable requirements of Department rules.

3. **Permit Modifications.** Any construction, operation, closure or other activities not previously approved as part of this permit may require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Permits shall be modified in accordance with the requirements of 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.

4. **Permit Renewal.** No later than one hundred eighty (180) days before the expiration of the Department Permit, 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 F.A.C. 62-701.330(3).

**DRAFT**

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**SPECIFIC CONDITIONS:**

5. **Prohibitions.** The prohibitions of F.A.C. 62-701.300 shall not be violated.

- In the event that limestone is encountered during construction (excavation) of new disposal areas (cells), the excavation activities shall cease and the Department shall be notified. This notification shall include the location, elevation, and extent of limestone noted on a plan sheet, a description of the materials encountered, and a plan of action which ensures that groundwater will not be adversely affected by the construction and operation of the new disposal area (cell). Construction activities shall not resume in the affected area until the Department-approved plan of action has been completed.
- In the event that surface depressions which are indicative of sinkhole activity, or subsurface instability, are discovered onsite, or within 500 feet of the site, the Department shall be notified within 24 hours of discovery. 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.

6. **Piezometer Abandonment.** The piezometers located as shown on Figure 15, titled "Proposed Monitor Well Location Map" prepared by Hartman & Associates, Inc., received April 4, 2001 (attached), shall be abandoned, as follows:

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
P-3*	Surficial	Piezometer	See Figure 15
P-3A*	Surficial	Piezometer	↓
P-3B*	Floridan	Piezometer	↓
P-5*	Surficial/Floridan	Piezometer	↓
P-9*	Floridan	Piezometer	↓
P-13*	Surficial	Piezometer	↓

\* To be abandoned within 30 days of permit issuance.

7. **Abandonment Documentation.** All piezometers listed in Specific Condition No. 6 shall be plugged and abandoned in accordance with Rule 62-532.440, F.A.C., and the Southwest Florida Water Management District. The permittee shall submit written documentation to the Department to verify piezometer abandonment within 30 days of completion.

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**DRAFT**

**SPECIFIC CONDITIONS:**

8. **Construction Schedule and Progress Report.** The owner or operator shall submit a construction schedule which includes estimated dates for construction and closure of each disposal area (cell), and progress report for the cell under construction but not yet completed, **annually by April 1st of each year** to the Department. The Engineer of Record or another qualified professional engineer shall inspect the construction to ensure that design integrity is maintained.

9. **Certification of Construction Completeness.** After the specified construction has been completed, and **prior to operation/acceptance of waste** into each new disposal area (cell), the following activities shall be completed:

a. The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2) (attached), signed and sealed by the professional engineer in charge of construction to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the facility operator.

b. The owner or operator shall submit Record Drawings showing all changes (i.e. additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations). The Record Drawings shall include, but not be limited to, details such as the as-built elevations of the disposal area (cell).

c. The owner or operator shall submit a narrative indicating all changes in plans and the cause of the deviations, and a report by the engineer of record to the Department to verify conformance with the project specifications including all test results for the development of each cell. The maximum hydraulic conductivity below or as part of each cell floor shall be less than  $1 \times 10^{-6}$  cm/sec in a continuous layer of at least 36 inches in thickness, unless otherwise approved in writing by the Department.

d. The permittee shall provide financial assurance for the facility in accordance with F.A.C. 62-701.630. The financial assurance mechanism shall be initially established and appropriately funded for each new disposal area (Cell), at least sixty (60) days **prior to operation/acceptance of waste** for disposal into the new disposal area (Cell). All costs for closure shall be adjusted and submitted to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318. Proof that the financial mechanism has been adequately funded shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

10. **Control of Access.** Access to, and use of, the facility shall be controlled as required by F.A.C. 62-701.500(5).

**DRAFT**

SPECIFIC CONDITIONS:

**DRAFT**

11. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of closure designed dimensions shall be closed (shall receive final cover) in accordance with F.A.C. 62-701.500(7)(g) and all applicable requirements of Department rules.
12. **Waste Burning.** Open burning of solid waste is prohibited except in accordance with F.A.C. 62-701.300(3). Controlled burning of solid waste is prohibited at this site except for clean vegetative and wood wastes which may be burned in a permitted air curtain incinerator in accordance with F.A.C. 62-296.401. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Protection.
13. **Stormwater Management.** The site shall have a surface water management system operated and maintained to prevent surface water flow on to disposal and storage areas, and a stormwater runoff control system operated and maintained to collect and control stormwater to meet the requirements of Florida Administrative Code Chapters 62-302 and 62-330, any other applicable Department rules, and the requirements of the respective water management district.
14. **Closure Permit Requirements.** No later than one hundred eighty (180) days prior to the date when wastes will no longer be accepted for portions of the landfill which have reached closure designed dimensions, the landfill owner or operator shall submit a closure permit application to the Department in accordance with F.A.C. 62-701.600.
15. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from the construction, operation and closure. 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. The owner or operator shall control disease vectors so as to protect the public health and welfare. Odors shall be controlled by covering with soil periodically when necessary, or other methods if required.
16. **Facility Maintenance and Repair.** The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, and groundwater monitoring system repairs. In the event of damage to any portion of the site facilities regulated by this permit or failure of any part of the related systems, the permittee shall **immediately (within 24 hours)** notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification including corrective actions and methods to prevent reoccurrence 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.

**DRAFT**

PERMITTEE: Sid Larkin & Son, Inc.

PERMIT NO.: 7982-001-SC  
Enterprise Class III Landfill

SPECIFIC CONDITIONS:

**DRAFT**

17. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications or modifications, 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.

18. **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.

19. **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, including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

20. **Regulations.** F.A.C. 62-701, effective May 27, 2001, is incorporated into this permit by reference. In the event that these 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.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

**DRAFT**

---

Deborah A. Getzoff  
Director of District Management  
Southwest District

PERMITTEE: Sid Larkin & Son, Inc.

PERMIT NO.: 177982-001-SC  
Enterprise Class III Landfill

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
8.	Annually, by April 1st	Submit construction schedule and progress report

**DRAFT**



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

DEP Form # 62-701.900(2)
Form Title <u>Certification of Construction Completion</u>
Effective Date <u>May 19, 1994</u>
DEP Application No. _____ (Filled by DEP)

## Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: \_\_\_\_\_ County: \_\_\_\_\_

Name of Project: \_\_\_\_\_

Name of Owner: \_\_\_\_\_

Name of Engineer: \_\_\_\_\_

Type of Project: \_\_\_\_\_

Cost: Estimate \$ \_\_\_\_\_ Actual \$ \_\_\_\_\_

Site Design: Quantity: \_\_\_\_\_ ton/day Site Acreage: \_\_\_\_\_ Acres

Deviations from Plans and Application Approved by DEP: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Address and Telephone No. of Site: \_\_\_\_\_

\_\_\_\_\_

Name(s) of Site Supervisor: \_\_\_\_\_

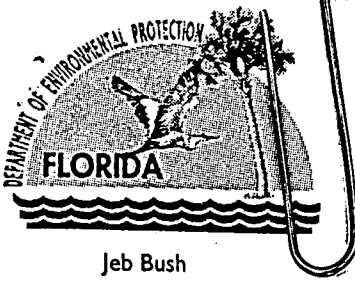
Date Site inspection is requested: \_\_\_\_\_

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

Permit No.: \_\_\_\_\_ Dated: \_\_\_\_\_

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

\_\_\_\_\_  
Signature of Professional Engineer



# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

## PERMITTEE

Sid Larkin & Son, Inc.  
c/o Mr. Jon Larkin  
P.O. Box 1747  
Dade City, FL 33526

## PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895  
Permit No: 177982-002-SO  
Date of Issue:                       
Expiration Date:                       
County: Pasco  
Lat/Long: 28°19'53"  
            82°08'06"  
Sec/Town/Rge: 5 & 8/25S/22E  
Project: Enterprise Class III  
            Landfill and Recycling  
            Facility

*Take  
READY FOR  
your CONSIDERATION  
4/3/6*

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 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 a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the operation of:

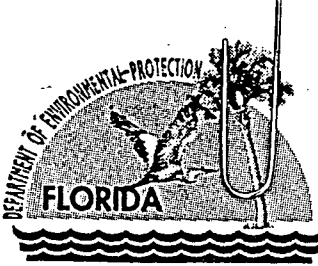
### 1. Class III Landfill

General Information: Approximately 110 acres out of the site property of 155 acres are designated for disposal in a total of 16 cells in a series of seven sequences. The maximum height will be elevation 170.0, with the top sloping outward from the west-center portion of the landfill. The bottom elevation varies for each disposal area as shown on the site plans, and shall be sloped to drain to the north and east and away from previously filled disposal areas.

Replaces Permit No.: N/A, new

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.





# Department of Environmental Protection

Jeb Bush  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

## PERMITTEE

Sid Larkin & Son, Inc.  
c/o Mr. Jon Larkin  
P.O. Box 1747  
Dade City, FL 33526

## PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895  
Permit No: 177982-001-SC  
Date of Issue:  
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County: Pasco  
Lat/Long: 28°19'53"  
82°08'06"  
Sec/Town/Rge: 5 & 8/25S/22E  
Project: Enterprise Class III  
Landfill and Recycling  
Facility

*John  
READY FOR  
your  
conditions  
OK*

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-522 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 construct a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the construction of:

### 1. Class III Landfill

General Information: Approximately 110 acres out of the site property of 155 acres are designated for disposal in a total of 16 cells in a series of seven sequences. The maximum height will be elevation 170.0, with the top sloping outward from the west-center portion of the landfill. The bottom elevation varies for each disposal area as shown on the site plans, and shall be sloped to drain to the north and east and away from previously filled disposal areas.

Replaces Permit No.: N/A, new

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.

# HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

## PRINCIPALS:

Gerald C. Hartman, P.E., DEE  
Harold E. Schmidt, Jr., P.E., DEE  
James E. Christopher, P.E.  
Charles W. Drake, P.G.  
Mark A. Rynning, P.E., MBA  
Mark I. Luke, P.S.M.  
William D. Musser, P.E.

## SENIOR ASSOCIATES:

C. Zachary Fuller, P.E.  
Marco H. Rocca, C.M.C.  
J. Richard Voorhees, P.E., DEE  
Roderick K. Cashe, P.E.  
Lawrence E. Jenkins, P.S.M.

## ASSOCIATES:

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Jennifer L. Woodall, P.E.  
L. Todd Shaw, P.E.

July 26, 2001

HAI #99-331.01

Phase 1

File 13.2

Via UPS Overnight

Mr. Kim Ford, P.E.  
Solid Waste Section  
Florida Department of Environmental Protection  
Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

**Subject:** Request for Supplemental Information, dated June 29, 2001  
Sid Larkin & Son, Inc.  
Enterprise Recycling and Disposal Facility, Class III Landfill  
Pasco County, Florida  
Pending Permit Numbers 177982-001-SC and 177982-002-SO

Dear Mr. Ford:

On behalf of Sid Larkin & Son, Inc. (SLS), Hartman & Associates, Inc. (HAI) is submitting for your review, responses to the hydrogeological comments of your request for supplemental information, dated June 29, 2001, for the above referenced facility. Your comments requiring supplemental information are stated first with our responses following. Although Mr. Ford's comments under Part B did not require responses, we have responded accordingly.

### Kim Ford's Review Comments

#### **Part B – Disposal Facility General Information**

1. B.21., B.22., B.24., and B.25. It is noted that revisions to Chapter 62-701, F.A.C., effective May 27, 2001, change the rule citations for Class III wastes and landfills. The definition of Class III wastes is presented in Rule 62-701.200(14), F.A.C., and the exemption language is presented in Rule 62-701.340(3) (c), F.A.C. It is also noted that the revised rule indicates that it is the applicant who demonstrates that no significant threat to the environment will result from the requested exemption.

Submittal 3 includes statements regarding the applicability of the requested exemption from liner and leachate collection requirements at the subject facility. The following comments address several of these statements:

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ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

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# HARTMAN & ASSOCIATES, INC.

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Lawrence E. Jenkins, P.S.M.

engineers, hydrogeologists, surveyors & management consultants

July 26, 2001

HAI #99-331.01

Phase 1

File 13.2

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ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Mr. Kim Ford, P.E.  
July 26, 2001  
Page 2

Comment 1a: It is indicated that the Department's publication entitled *Florida Class III Lined Landfill Leachate Data Summary Report*, dated May 18, 2000, includes average concentrations for leachate constituents which are not representative of actual concentrations. Richard Tedder, FDEP Tallahassee at (850) 488-0300, should be contacted to obtain revised leachate average concentrations that include the results for non-detects.

**Response:**

We have received "draft" revised Class III landfill leachate average concentrations that include the results for non-detects from Richard Tedder's office, see attached. The inclusion of the non-detects has reduced the average of most of the parameters of concern by an order of magnitude, i.e. vinyl chloride from 3.2 to 0.7 µg/L. However, the "non-detects" were given the concentration value of the laboratory method's MDL (for example vinyl chloride at 1.0 µg/L), which acts to again skew the data to the right or toward the excessively conservative side, assuming that some level of contaminant is always in a sample. Although we do not consider the revised Class III leachate results representative of typical leachate from a properly operated Class III landfill, we have revised Table 1 – Calculated Dilution of Potential Contaminants, using the revised data, see attached. Our revised table indicates that only iron is estimated to exceed the secondary standard at the edge of Cells 1 and 2. The Department's zone of discharge (ZOD) rule recognizes that some localized aquifer water quality degradation may occur at sites such as a Class III landfill, but our site-specific geology, design and operations will prevent any impacts outside of the site's ZOD.

Comment 1b: It is indicated that the leachate data for the West Pasco Class III landfill does not exceed FDEP standards or guidance concentrations, with the exception of mercury. The attached table provides a summary of leachate samples collected at the West Pasco Class III landfill for the period from August 1999 to February 2001. It is noted that exceedances of ground water standards were reported for the following sampling events: August 1999 – total dissolved solids; February 2000 – iron; July 2000 – pH, iron, and total dissolved solids; February 2001 – iron, total dissolved solids, and benzene.

**Response:**

**Our conclusions for leachate quality at the West Pasco Class III landfill were based on the data supplied with Mr. Tedder's report, which was older data.**

Comment 1c: It is indicated that the Cedar Trail Class III landfill has a similar clay layer and has not experienced any significant ground water exceedances. It is noted that site hydrogeology and the consistency of the emplaced phosphatic clay slimes at the Cedar Trail Class III landfill is

Mr. Kim Ford, P.E.  
July 26, 2001  
Page 3

sediments at the proposed Enterprise Class III landfill. It is also noted that persistent exceedances of standard have been reported for one of the detection wells at Cedar Trail Class III that are not considered to be "naturally occurring".

**Response:**

**We acknowledge that the two sites are somewhat hydrogeologically dissimilar. We assume that the persistent exceedances referred to at the Cedar Trail Landfill are iron, manganese, sulfate and TDS, which arguably may not be indicative of background concentrations, but are secondary drinking water standard parameters that are commonly exceeded in the surficial aquifer.**

Comment: Submittal 4 includes calculations of dilution for potential pollutants based on rainfall from the upgradient ground water basin from west to east across the site. The following comments address the dilution approach:

Comment 1d: It is understood that the area of the region upgradient of Cells 1 and 2 that contribute ground water ( $A_u$ ) was based on topography from quadrangle maps for the vicinity of the subject property. Documentation of the area upgradient of Cells 1 and 2 was not included in the submittal for review.

**Response:**

**See attached map to document area ( $A_u$ ) used for calculations upgradient of Cells 1 and 2.**

Comment 1e: The difference in effective porosity between native soils and emplaced wastes is not addressed in the dilution calculation.

**Response:**

**We acknowledge that the porosity variability of the native soils versus the wastes would affect a more complex solute transport equation. However, many other variables, such as soil carbon content, oxygen content and diffusion also can affect the result. So for simplicity, we did not consider porosity variations, or the other variables listed.**

Comment 1f: The seasonal variability in hydraulic gradient and direction of ground water flow is not addressed in the dilution calculation.

Mr. Kim Ford, P.E.  
July 26, 2001  
Page 4

**Response:**

**We assumed that the surface water, and most of the groundwater, would flow downhill (from approximately 180 ft NGVD to the west to 100 ft NGVD to the east). Again, to keep it simple, we did not include these variables.**

Comment 1g: The assumption that all potential pollutants are not present in background ( $C_b$ ) is not considered to be valid. The attached table presents water quality data for surficial aquifer wells located within 50 miles of Dade City that are considered to be more representative of background conditions.

**Response:**

**Our initial permit submittal included representative background water quality for the surficial and Floridan aquifer in Pasco County, see Appendix 5-H. It is obvious that many of the surficial aquifer wells included on your 50 mile radius list have been impacted by pollution sources. We acknowledge that the upgradient surface and groundwater may not be free from all contaminants, but for the past 75 years the site and uphill areas have only been used for agricultural uses such as orange groves or cattle grazing, not considered significant pollution sources. Basically, the results of our dilution equation can be considered concentrations above background concentrations.**

Comment: It is noted that Department technical staff do not consider the dilution equation and the associated assumptions to adequately describe the transient nature of the surficial aquifer at the subject property. A more detailed analytical solution or a numerical model would be required to characterize potential impacts to ground water quality. However, given the other assurances provided in Submittal 3 regarding control of unauthorized wastes, site hydrogeology, stormwater control, ground water monitoring, and cell certification, the Department is not requesting a more comprehensive demonstration of potential ground water quality impacts in the surficial aquifer for the proposed Enterprise Class III landfill, at this time.

**Response:**

**We acknowledge that the Department considers our demonstration sufficient to allow our requested exemptions from the liner and leachate controls since our application's assurances regarding control of unauthorized wastes, site hydrogeology, stormwater control, groundwater monitoring, and cell certification will prevent significant threat to the groundwater quality of the surficial and Floridan aquifers and the environment.**

**John Morris' Review Comments:**

**Part H – Hydrogeological Investigation Requirements (Rule 62-701.410.F.A.C.)**

**Comment 3. H.1.b – Rate and Direction of Groundwater Flow (Rule 62-701.410(1)(a)1, F.A.C.)**

Comment 3. b. Please respond to the following comments provided regarding the response:

*Comment 3. i. The response provided in Submittal 3 does not appear to address the response to comment No. 8.e., regarding the occurrence of ground water relative to the top of limestone. It is noted that the elevations reported for P-5 appear to fit on both Figures 11.1 and 14.1, and it is not clear which unit(s) is monitored by P-5.*

**Response:** At the location of piezometer P-5, groundwater in the Floridan aquifer is above the top of the limestone. Although the measured water levels in P-5 appear to fit into both surficial and Floridan contour maps, the top of the screened interval of P-5 intersects the surficial aquifer at about 68 ft NGVD. Therefore, P-5, is monitoring the surficial aquifer. The potentiometric surface map for the Floridan aquifer in May 2000 shows the water level at the site at about 62-65 ft NGVD, see attached.

*Comment 3. ii. The boring log provided for P-10B (Submittal 3, Appendix 5-A) indicates the boring was completed 55 feet below land surface, while the well completion log for P-10 (Submittal 2, Appendix 5-A) indicates the piezometer was installed to a depth of 75 feet below land surface. It has not been demonstrated what zone is monitored at this location.*

**Response:** Piezometer P-10 was originally installed in March 2001 as a deep (Floridan) piezometer to be 10 feet into the limestone, but only a driller's log was available. So, we returned to the P-10 location on 5/10/01 and obtained a Geologist's log at boring P-10B to confirm that limestone begins at 50 ft bls. The total measured depth of piezometer P-10 is 75 ft., so it is monitoring the Floridan aquifer zone.

*Comment 3. vi. The revision to the boring log for P-12 (Submittal 3, Appendix 5-A) appears to be inappropriate. The documentation from Universal Engineering Sciences (UES) regarding the indicated confirmation that the description of "clayey silt with limerock" is analogous to limestone has not been provided. It is also noted that the modification provided to the boring log for P-12 has changed the soil encountered at a depth of 8 feet below land surface described as "yell brn clay sand/sandy cl" to limestone.*

Mr. Kim Ford, P.E.  
July 26, 2001  
Page 6

**Response:** A revised boring log for P-12 is attached that corrects the "limestone" lithology at 8 feet bls back to the original "yell brn clay sand/sandy cl" description. UES was to correct the lithology at 50 ft bls to "limestone" as in the corrected log.

*Comment 3. vii. The revision to the boring log for P-1A (Submittal 3, Appendix 5-A) is noted. The documentation from UES regarding the indicated confirmation that the description of "clayey silt with limerock" is analogous to limestone has not been provided.*

**Response:** The requested documentation from UES is attached.


*Comment 3. viii. The discussion provided in Submittal 3, regarding anomalous ground water elevations at P-11 is noted. It is also noted that the potentiometric surface contour map provided for water levels measured on May 8, 2001 (Submittal 3, Figure 14.2) incorrectly includes the ground water elevation at P-3A. Revision of Figure 14.2 to exclude data from P-3A will cause substantial changes to the direction of ground water flow.*


**Response:** As correctly suggested, we have excluded the P-3A water level data from Figure 14.2, see the attached revised Figure. This has shifted the Floridan's groundwater flow to the north-northeast, the historically predominant flow direction in the area.

We trust that this supplemental information is sufficient to comply with 62-701.410 and 62-701.510, FAC, and will satisfy the Department's concerns and will allow for the approval of the applicable construction and operation permits for the facility. Please call us if you have any questions or comments, or wish to meet regarding this submittal.

Very truly yours,

Hartman & Associates, Inc.

  
Jennifer L. Deal, E.I.  
Engineer III

 7/26/01  
James E. Golden, P.G.  
Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph 1/corresp/Ford-4.jeg

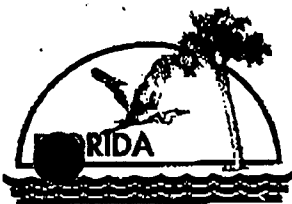
Attachments

Addressee (3)

cc: Robert Butera, P.E., FDEP Tampa  
Jon Larkin, SLS



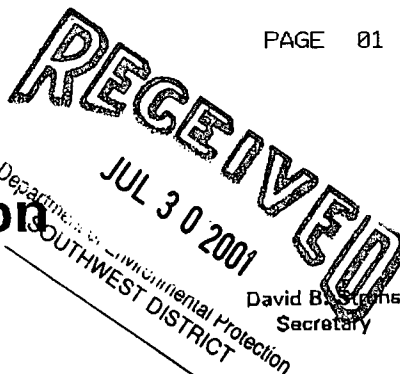
**ATTACHMENTS**



Jeb Bush  
Governor

## Department of Environmental Protection

Twin Towers Building  
2600 Blair Stone Road MS 4565  
Tallahassee, Florida 32399-2400



# FAX TRANSMITTAL LETTER

**DATE:**

July 20, 2001

**NUMBER OF PAGES INCLUDING COVER SHEET:**

5

**To:**

Jennifer Deal  
Hartman & Associates

**PHONE:** 407-839-3955**FAX:** 407-839-2066**CC:****From:**

David Mason  
Florida Department of  
Environmental Protection

**PHONE:** 850-921-9237**FAX:** 850-414-0414**WEB SITE:** <http://www.dep.state.fl.us/dwm>

If any pages are not clearly received please call (850) 488-0300 or SUNCOM 278-0300.

**COMMENTS:**

Jennifer,

Per our conversation please find attached the draft updated Class III leachate tables. Without getting into too much detail about what is presented in the tables, they are based on inclusion of minimum detect levels from the data sheets I have. I intend to rewrite the Class III Leachate Report and hope to complete that soon. Until then, or until I have had a chance to thoroughly check what is presented in the attached tables I'm compelled to call these tables a draft. However, if you have any questions about the tables please feel free to call. I hope this helps.

-David

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# Class III Leachate Organic Parameter Data Including Minimum Detect Levels

DRAFT

	Units	Minimum	Maximum	Average	Standard Deviation	95% UCL	# of Sampling Events	# of Times Sampled For	Number of Detects	# of Non Detects
1,1,1-Trichloroethane	ug/L	0.296	10	2.39	2.40	2.72	264	210	4	206
1,1-Dichloroethane	ug/L	0.275	25	3.40	3.55	3.95	264	163	5	158
1,1 Dichloroethene	ug/L	0.5	110	5.01	14.79	7.98	264	95	3	92
1,2,4-Trimethylbenzene	ug/L	0.9	3.43	1.77	1.01	2.43	264	9	6	3
1,2-Dichlorobenzene	ug/L	0.365	10.3	2.52	2.54	2.91	264	170	4	166
1,2-Dichloroethane	ug/L	0.5	18	2.00	2.46	2.46	264	111	2	109
1,3,5-Trimethylbenzene	ug/L	0.5	1.08	0.88	0.21	1.05	264	6	4	2
1,4-Dichlorobenzene	ug/L	0.298	10	2.86	2.38	3.21	264	179	50	129
2,4,5-T	ug/L	0.1	10	3.17	4.68	6.64	264	7	1	6
2-Hexanone	ug/L	0.43	100	15.51	22.59	19.90	264	102	6	96
4 Methyl 2 Pentanone	ug/L	5	100	20.55	28.62	37.46	264	11	3	8
Acetone	ug/L	0.33	1400	57.98	162.05	89.13	264	104	27	77
Benzene	ug/L	0.147	30	2.83	3.79	3.32	264	236	80	156
Carbon disulfide	ug/L	0.459	26	5.12	5.27	6.15	264	101	15	86
Chlorobenzene	ug/L	0.234	10	2.43	2.29	2.78	264	169	30	139
Chloroethane	ug/L	1	25	3.82	3.64	4.47	264	121	6	115
Chloroform	ug/L	1	10	4.07	2.85	5.15	264	27	1	26
Dichlorodiflouromethane	ug/L	0.5	25	4.08	6.85	7.96	264	12	2	10
Dinoseb	ug/L	1.5	2	1.75	0.35	2.24	264	2	1	1
Ethylbenzene	ug/L	0.173	30	3.50	4.22	4.14	264	166	53	113
Isopropylbenzene	ug/L	0.5	2	1.00	0.61	1.54	264	5	3	2
m-cresol	ug/L	10	52	31.00	29.70	72.16	264	2	1	1
Methyl Ethyl Ketone	ug/L	5	670	79.70	154.98	143.03	264	23	5	18
Methylene Chloride	ug/L	0.282	14	2.81	2.63	3.51	264	54	5	49
Methyl-Tert-Butyl Ether	ug/L	0.5	9	2.65	2.49	3.80	264	18	5	13
Naphthalene	ug/L	0.5	60	8.66	11.72	13.08	264	27	10	17
p-cresol	ug/L	10	380	147.33	202.59	376.58	264	3	2	1
Phenols	ug/L	0.99	654	46.26	77.12	56.57	264	215	139	76

# Class III Leachate Organic Parameter Data Including Minimum Detect Levels

DRAFT

	Units	Minimum	Maximum	Average	Standard Deviation	95% UCL	# of Sampling Events	# of Times Sampled For	Number of Detects	# of Non Detects
p-Isopropyltoluene	ug/L	0.5	2	1.10	0.82	1.82	264	5	2	3
sec-Butylbenzene	ug/L	8	8				264	1	1	0
Tetrahydrofuran	ug/L	12.6	12.6				264	1	1	0
TOH	ug/L	135	181	158.67	23.03	184.73	264	3	3	0
Toluene	ug/L	0.249	480	7.06	38.85	13.10	264	159	27	132
Trichloroethene	ug/L	0.5	440	6.13	35.11	11.56	264	161	9	152
Trichloroflouromethane	ug/L	1	25	4.08	3.76	5.00	264	64	3	61
Vinyl Chloride	ug/L	0.205	95	3.71	10.93	5.15	264	221	22	199
Xylenes	ug/L	0.108	30	5.02	5.67	5.90	264	161	37	124

# Class III Leachate Indicator Parameters Including Minimum Detect Levels

DRAFT

	Units	Minimum	Maximum	Average	Standard Deviation	95% UCL	# of Sampling Events	# of Times Sampled For	Number of Detects	# of Non Detects
Alkalinity	mg/L	70.3	3130	1257.04	747.20	1393.01	264	116	116	0
Ammonia Nitrogen	mg/L	0.02	1080	91.75	97.38	103.65	264	257	255	2
Bicarbonates	mg/L	74.4	3130	1200.46	947.53	1432.60	264	64	64	0
BOD <sub>5</sub>	mg/L	1	510	42.46	63.65	51.11	264	208	183	25
Calcium	mg/L	45.7	372	233.24	76.30	249.37	264	86	86	0
Chloride	mg/L	3.2	1760	305.33	253.76	336.24	264	259	259	0
COD	mg/L	5	1462	467.03	357.77	517.63	264	192	190	2
Conductivity	umhos/cm	21	8200	3296.29	1878.25	3528.19	264	252	252	0
Corrosivity	Units	-0.777	2.2	1.04	0.71	1.18	264	108	108	0
Dissolved Oxygen	mg/L	0	8.52	1.95	1.98	2.41	264	70	70	0
Fluoride	mg/L	0.05	2	0.35	0.25	0.38	264	194	190	4
Iron	mg/L	0.02	49.7	3.58	7.60	4.52	264	255	251	4
Nitrate Nitrogen	mg/L	0.01	208	2.74	19.52	5.22	264	237	112	125
pH	SU	5.4	8.5	6.88	0.42	6.93	264	256	256	0
Phosphorus	mg/L	0.02	6.04	1.60	1.66	1.83	264	191	180	11
Sodium	mg/L	0.221	810	194.25	155.94	216.20	264	194	194	0
Sulfate	mg/L	1	918	171.84	188.92	198.50	264	193	189	4
Sulfide	mg/L	0.1	4	1.43	2.22	3.95	264	3	1	2
TDS	mg/L	20.1	5390	2024.22	1046.92	2152.97	264	254	253	1
TKN	mg/L	0.75	1380	141.34	183.50	167.30	264	192	192	0
TOC	mg/L	9	471	115.11	89.54	145.21	264	34	34	0
TSS	mg/L	0.1	126	26.56	36.06	43.22	264	18	16	2
Turbidity	NTU	0.76	533	52.23	80.26	63.01	264	213	213	0

# Class III Leachate Metal Parameters Including Minimum Detect Levels

DRAFT

	Units	Minimum	Maximum	Average	Standard Deviation	95% UCL	# of Sampling Events	# of Times Sampled For	Number of Detects	# of Non Detects
Aluminum	ug/L	58	58				264	1	1	0
Antimony	ug/L	0.1	200	16.79	39.05	22.27	264	195	12	183
Arsenic	ug/L	1.28	190	19.17	23.94	22.10	264	257	160	97
Barium	ug/L	2.47	500	116.45	73.16	125.60	264	246	186	60
Beryllium	ug/L	0.4	10	2.73	2.85	3.14	264	190	6	184
Cadmium	ug/L	0.05	50	3.62	3.76	4.09	264	251	7	244
Chromium	ug/L	1	290	30.89	32.36	34.84	264	258	215	43
Cobalt	ug/L	1	50	14.57	16.65	17.54	264	121	15	106
Copper	ug/L	0.1	86	9.34	11.10	10.86	264	204	49	155
Cyanide	ug/L	0.059	252	13.66	42.26	27.87	264	34	9	25
Lead	ug/L	0.1	50	6.60	6.13	7.35	264	254	13	241
Magnesium	mg/L	3.75	132	35.48	27.30	41.75	264	73	73	0
Manganese	ug/L	0.077	1020	171.77	161.95	199.30	264	133	131	2
Mercury	ug/L	0.02	1.7	0.31	0.24	0.34	264	250	22	228
Nickel	ug/L	2	140	20.90	20.13	23.65	264	206	89	117
Potassium	ug/L	155	396	297.67	111.07	386.54	264	6	6	0
Selenium	ug/L	0.1	250	12.04	29.53	15.80	264	237	17	220
Silver	ug/L	0.05	76	8.53	5.82	9.25	264	252	13	239
Thallium	ug/L	0.1	300	9.61	31.78	13.94	264	207	6	201
Tin	ug/L	1.9	1400	163.13	323.20	301.37	264	21	10	11
Vanadium	ug/L	1.6	60	12.71	9.81	14.44	264	123	68	55
Zinc	ug/L	0.1	2000	62.32	146.16	80.23	264	256	128	128

**TABLE 1 - REVISED**  
**PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY**  
**DADE CITY, FLORIDA**  
**CALCULATED DILUTION OF POTENTIAL POLLUTANTS**

Parameters	Units	Average Leachate* Concentration (C <sub>L</sub> )	FDEP Standard or (Guidance) Concentration	Diluted Concentration (C <sub>D</sub> )	Number of Landfills with Exceedences
Chloride	mg/L	305.33	250	54	4
Iron	mg/L	3.58	0.3	0.6	4
Sodium	mg/L	194.25	160	34	4
TDS	mg/L	2024.22	500	356	4
Antimony	mg/L	16.79	6	3	3
Manganese	mg/L	171.77	50	30	3
Thallium	mg/L	9.61	2	2	2
1,2-Dichloroethane	mg/L	2.0	3	0.4	1
Benzene	mg/L	2.8	1	0.5	4
Isopropylbenzene	mg/L	1.0	(0.8)	0.2	2
Methylene chloride	mg/L	2.8	5	0.5	2
Naphthalene	mg/L	8.7	(6.8)	1.5	4
p-Cresol	mg/L	147.3	(35)	25.9	1
Phenols	mg/L	46.3	(10)	8.1	4
Trichloroethylene	mg/L	6.1	3	1.1	1
Vinyl Chloride	mg/L	3.7	1	0.7	2

\*Source: Draft Updated Class III Leachate Tables  
FDEP July 20, 2001

**EQUATIONS:**

$$C_D = (C_L * A_c * R + C_b * A_u * R) / ((A_c + A_u) * R)$$

$$C_D = (C_L * A_c * R + 0) / ((A_c + A_u) * R)$$

$$C_D = (C_L * A_c) / (A_c + A_u)$$

**ASSUMPTIONS and GIVEN:**

$$C_b = 0 \quad \text{mg/L or mg/L}$$

$$A_c = 526,400 \quad \text{ft}^2$$

$$A_u = 2,464,000 \quad \text{ft}^2$$

**WHERE:**

C<sub>D</sub> = Calculated diluted concentration of potential pollutants

C<sub>L</sub> = Average leachate concentration of potential pollutants

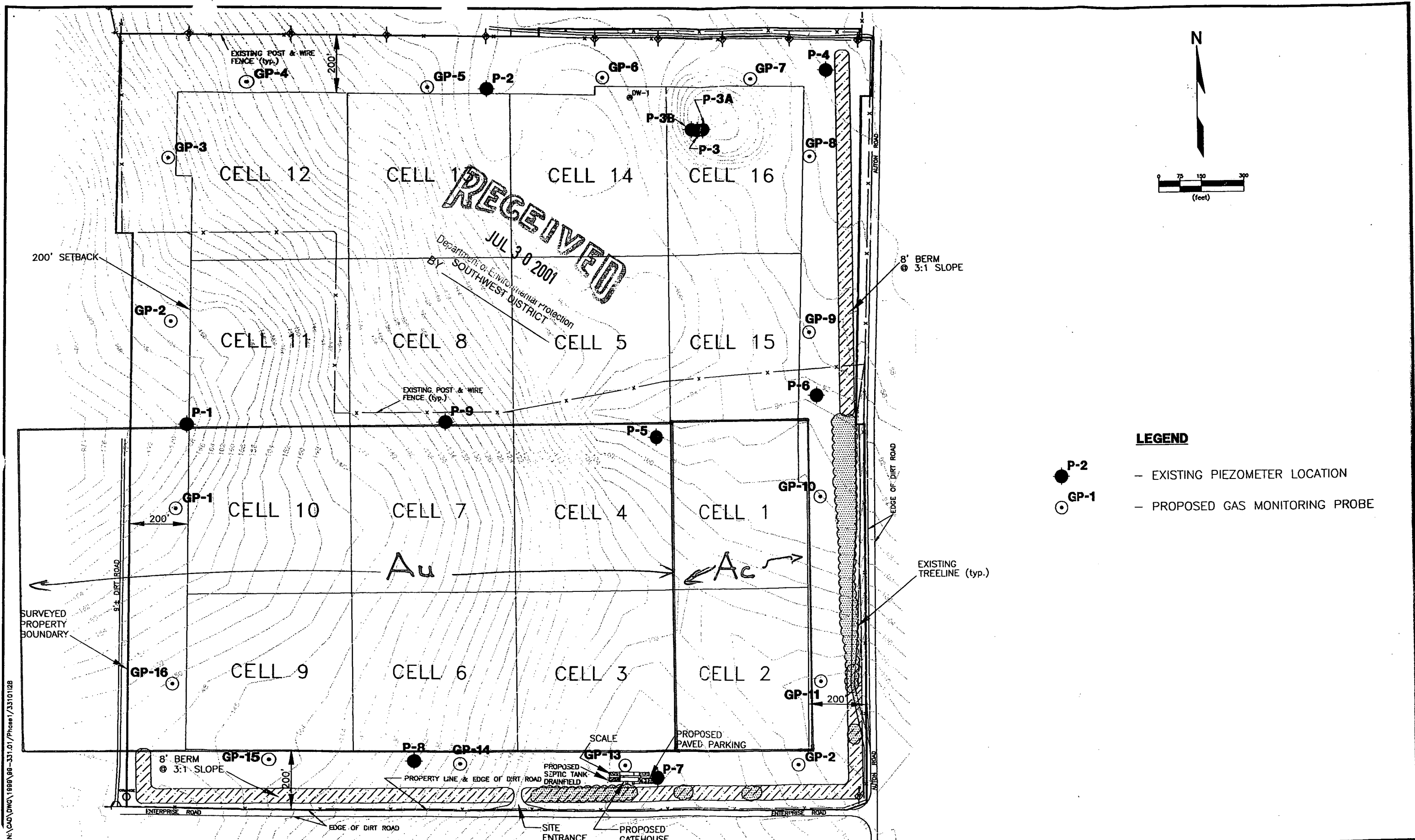
C<sub>b</sub> = Background concentration of potential pollutants

A<sub>c</sub> = Area of Cells 1 and 2

A<sub>u</sub> = Area of region that is upgradient of Cells 1 and 2 that contributes groundwater

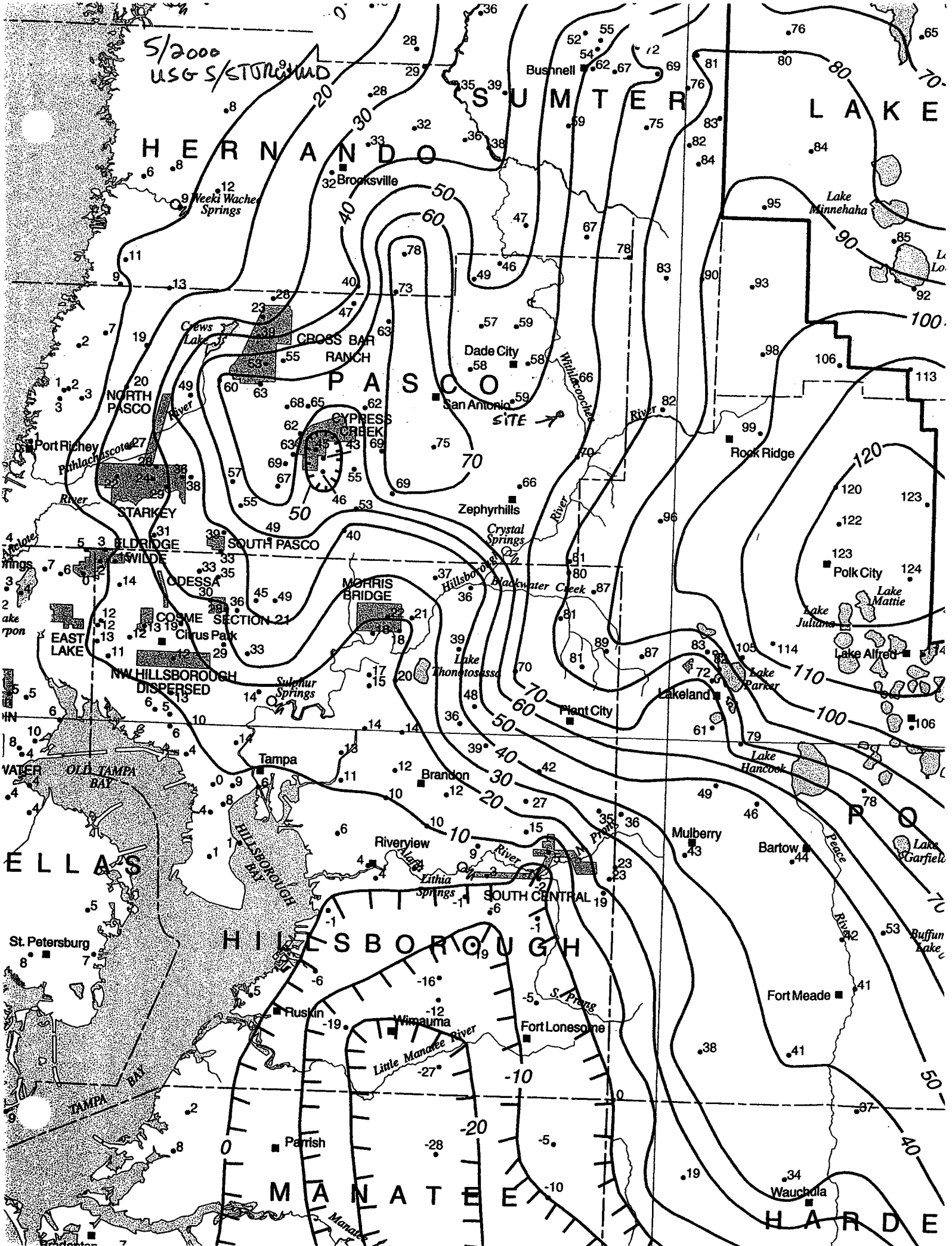
R = Rainfall

072601





5/2000  
USGS/STONING



## SOIL BORING LOG - 18" DRILL



UNIVERSAL ENGINEERING SCIENCES, INC.

5804 Breckenridge Parkway, Suite E

Tampa, Florida 33610

Phn: (813) 740-8506 Fax: (813) 740-8706

File No: \_\_\_\_\_ Sheet #: ONE of 2

Boring #: MW P-12 Total Depth: 60'

Date Started: 3-8-01 Date Finished: 3-9-01

Driller: LPLNCE Rig: CME 45

Boring Type: WAS-11 Elevation: \_\_\_\_\_

Casing Length: NONE Type: \_\_\_\_\_

Water Table Depth: 1st 53' Date: \_\_\_\_\_

Water Table Depth: 2nd \_\_\_\_\_ Date: \_\_\_\_\_

Project Name: Dade City Landfill

Client Name: \_\_\_\_\_

Boring Location: Staked by Client

Remarks: Installed MW @ 60' 10' SCREEN

Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
				Grey sand
				-3.0'
5				Yell br sand
				-8.0'
10				Yell br clay sand / sandy cl
15				
20				
25				
30				



## UNIVERSAL ENGINEERING SCIENCES, INC.

5804 Breckenridge Parkway, Suite E

Tampa, Florida 33610

Phn: (813) 740-8506 Fax: (813) 740-8706

File No: \_\_\_\_\_ Sheet #: 2 of 2Boring #: MW P-12 Total Depth: 60'Date Started: 3-8-01 Date Finished: 3-9-01Driller: LP Rig: CME 45Boring Type: WASH Elevation: \_\_\_\_\_

Casing Length: \_\_\_\_\_ Type: \_\_\_\_\_

Water Table Depth: 1st \_\_\_\_\_ Date: \_\_\_\_\_

Water Table Depth: 2nd \_\_\_\_\_ Date: \_\_\_\_\_

Project Name: DACE City Land Fill

Client Name: \_\_\_\_\_

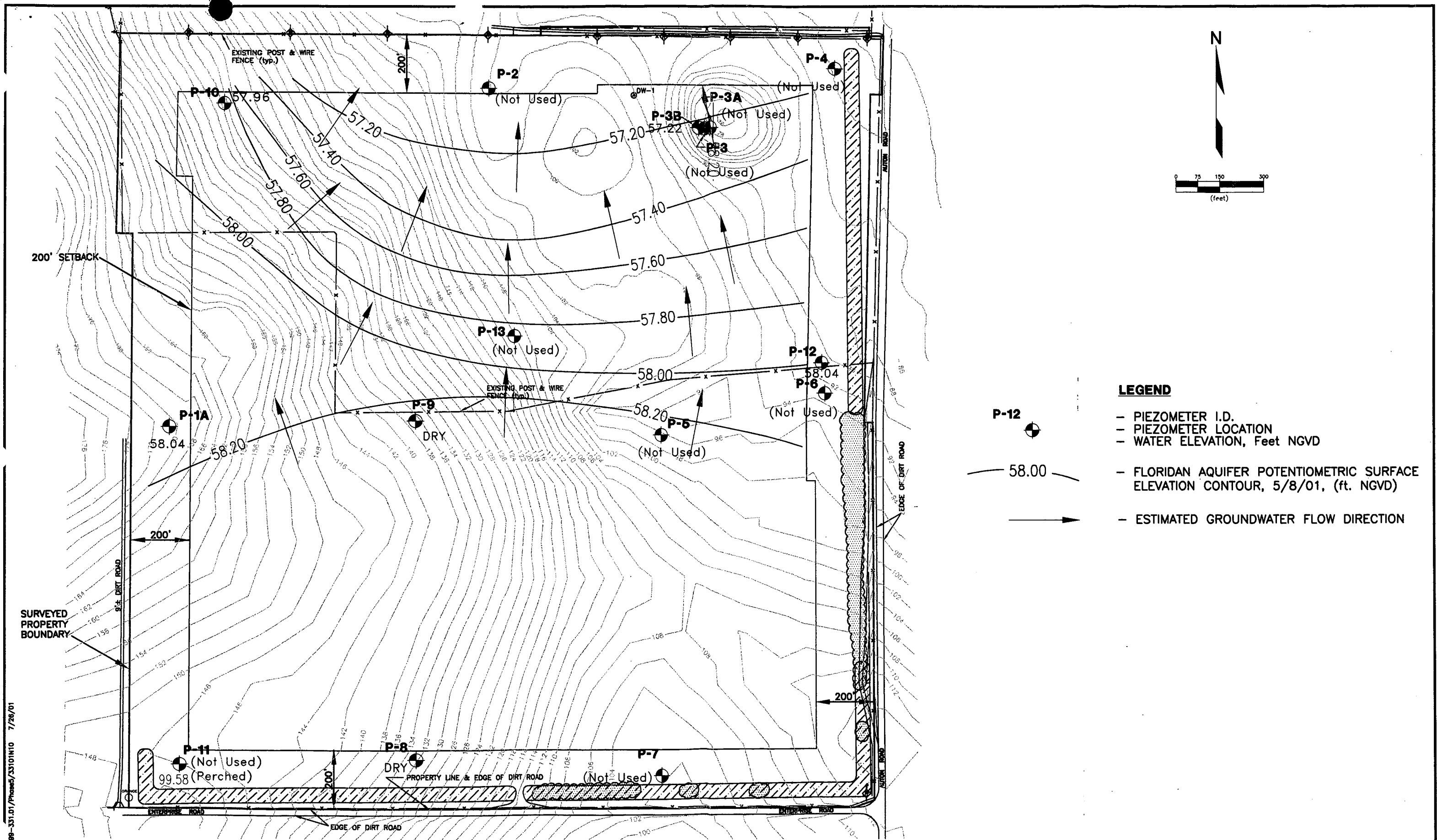
Boring Location: \_\_\_\_\_

Remarks: \_\_\_\_\_



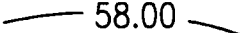


Depth (ft.)	Blows per 6" Increment	N value (bpf)	Sample No.	Soil Description
3.5				35.0' ±
4.0				LT Grey CLAY SA/SANDY CL.
4.5				↓
5.0				48.0' - 48.0' LOSS H <sub>2</sub> O
5.5				Limestone
6.0				LT BR CLAY, SILTY <del>W/ LIME ROCK</del>
6.5				SCREEN
7.0				EDS 60.0'

**Universal Engineering Sciences, Inc.****5804 Breckenridge Parkway, Suite E****Tampa, FL 33610****Telephone: 813-740-8506 Fax: 813-740-8706****MEMORANDUM****DATE: 7-26-2001****TO: Jim Golden, P.G.****FROM: Wayne Pandorf, P.E.****RE: Dade City Landfill**

Our drill crew installed peizometers and wells at the subject project. Logs of the general lithology were maintained by our drill crew chief. He Has 15 years experience and I have worked with him for about 7 years. Based on my familiarity with his descriptive tendencies, as well as, visual classification of borings performed on this site compared to his field descriptions, it is my opinion that field descriptions such as clay or silt with limerock is actually limestone which may have clayey or silty inclusions or may sometimes be weathered. This classification change is shown on the logs for the following locations: MW-P1A, MW-P12, and P-10B.



#### LEGEND

-  P-12 — PIEZOMETER I.D.
-  — PIEZOMETER LOCATION
-  58.00 — WATER ELEVATION, Feet NGVD
-  — FLORIDAN AQUIFER POTENTIOMETRIC SURFACE ELEVATION CONTOUR, 5/8/01, (ft. NGVD)
-  — ESTIMATED GROUNDWATER FLOW DIRECTION

99-331.01/Phase5/33101W10 7/26/01