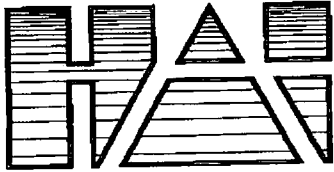


252513



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 481-8447

FAX

Job Number: 99.0331.012

Date: 05/20/04

No. of pages incl. cover page: 7

To: John Morris, P.G.

FDEP Southwest District

Phone: (813) 744-6100 ext. 386

Fax: (813) 744-6125

cc: _____

From: Miguel Garcia

Hartman & Associates, Inc.

Phone: (407) 839-3955 ext. 174

Fax: (407) 839-2066

REMARKS: Urgent For your review Reply ASAP Please comment

John,

Included in this fax transmission is a copy of the Semi-Annual groundwater monitoring report with the exceedance table. The original report will follow via U.S. Mail.

Should you require any additional information or have any questions, please do not hesitate to call.

Thank You.

Sincerely,
Miguel Garcia

The information contained in this facsimile transmission may be legally privileged and is intended for the use of the individual(s) or entity(ies) named above. If you are not the intended recipient, you are hereby notified that any use dissemination, distribution or copying of this facsimile or its information is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone or facsimile using the above referenced number to arrange for the return of the original documents.

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

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., M.B.A.
William D. Musser, P.E., P.H.
Michael B. Bomar, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
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Jon D. Fox, P.E.
Troy E. Layton, P.E., DEE
Daniel M. Nelson, P.E.

May 20, 2004

HAI # 99.0331.012
File 14.4

ASSOCIATES:

James E. Golden, P.G.
Andrew T. Woodcock, P.E., M.B.A.
John R. Toomey, P.E.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.
Rafael A. Terrero, P.E., DEE
Jill M. Hudkins, P.E.
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W. Bruce Lafrena, P.G.
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Ada R. Terrero
Christopher W. Hardin, P.E.
James R. Warner, E.I.

Via Certified Mail

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Semi-Annual Groundwater Monitoring Report
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Ltd. (AAM), Hartman & Associates (HAI) is providing for your review the semi-annual report for the April 2004 groundwater monitoring event for the above referenced facility in accordance with the requirements listed in the above referenced Florida Department of Environmental Protection (FDEP) permit.

1.0 INTRODUCTION

AAM is currently permitted to process and dispose of C&D and Class III debris waste within an area of approximately 105 acres. The facility is located at the northwest corner of the intersection of Enterprise Road and Auton Road, Dade City, Pasco County, Florida. The facility is presently permitted by the FDEP through Solid Waste Management Permit No. SO48-0201713-001.

All fieldwork, sampling methodologies, data evaluation, data QA/QC, chemical analysis, and statistical analysis were conducted in accordance with AAM's FDEP Monitoring Plan Implementation Schedule (MPIS). This report presents the results of the April 2004 semi-annual monitoring event.

Mr. John Morris, P.G.
May 20, 2004
Page 2

1.1 Groundwater Monitoring Plan

The groundwater monitoring plan consists of 10 groundwater monitoring wells, seven (7) within the uppermost aquifer (MW-1, MW-5A, MW-6, MW-7A, MW-8, MW-9, and MW-10), and three (3) within the Floridan aquifer (MW-1B, MW-5B, and MW-7B). The groundwater monitoring network consists of two (2) upgradient background monitor wells, MW-1 and MW-1B, and eight (8) downgradient detection monitor wells, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8, MW-9, and MW-10. A site map depicting major site features, monitor wells, and piezometers is presented on Figure 1. Piezometers P-2, P-4, P-6, P-8, P-10, and MW-11 are used for water level measurements.

2.0 FIELD SAMPLING ACTIVITIES AND LABORATORY TESTING

HAI's field personnel collected groundwater samples for laboratory analysis in accordance with DEP-SOP-001/01, Florida Department of Environmental Protection's standard operating procedure (SOP) for field activities. Groundwater samples were collected from 7 of the 10 monitoring wells (MW-1, MW-1B, MW-5A, MW-5B, MW-6, MW-7A, and MW-7B) from April 14 and 15, 2004 and were submitted to ENCO Laboratories on April 15, 2004. Monitor wells MW-8, MW-9, and MW-10 were dry and thus could not be sampled during this event. Water level elevations were obtained at all piezometers and monitor wells on April 14, 2004. The following paragraphs discuss the procedures used during the field activities and the analytical testing program completed for the project.

2.1 Field Activities

HAI personnel performed field activities associated with purging and sampling of monitoring wells on April 14 and 15, 2004. Prior to purging the wells, depths to water and water level elevations (feet, NGVD) were recorded to the nearest hundredth of a foot from the surveyed top of casing of each well. The water level measurements were used for determining water volumes in the well casing. The water level measurements collected on April 14, 2004 were used for the preparation of a groundwater contour map to estimate groundwater flow direction.

A stainless steel (SS) submersible pump was used to purge each well. Once drawdown stabilized, a minimum of one well volume or one equipment volume was purged prior to initial measurements of the field parameters. After the field parameters stabilized within the required limits, samples were collected. All sampling equipment was fully decontaminated between monitor wells pursuant to HAI's quality assurance protocols. Following completion of purging activities, samples were collected by HAI in accordance with DEP-SOP-001/01, FDEP's SOP for field activities, from the wells using peristaltic pumps and/or Teflon bailers. During sampling, field parameters including static water levels (before purging), pH, temperature, dissolved oxygen, turbidity, color and sheen (by observation), and specific conductance were measured and recorded for each well on a water sampling log (Attachment A). Following collection of samples

Mr. John Morris, P.G.
May 20, 2004
Page 3

into laboratory provided containers and ice chests, the samples were transported to the contract laboratory under signed chain of custody documentation.

2.2 Laboratory Analysis and QA/QC

The groundwater samples collected from the site were transported to ENCO Laboratories, in Orlando, Florida for analytical testing in accordance with ENCO's CompQAP No. 960038 and NELAC E83182. The FDEP required analytes for this event included the seven (7) field parameters, total ammonia as N, chlorides, iron, mercury, nitrate, sodium, total dissolved solids, volatile compounds by EPA Method 8260, and EDB by EPA Method 8011.

3.0 QUALITY ASSURANCE AND QUALITY CONTROL

One (1) equipment blank was collected as part of the field sampling and analysis activities. None of the analytes were detected in the blank; therefore, it appears that sample integrity was not compromised and that cross-contamination was unlikely during sampling or laboratory handling.

All samples submitted to ENCO were analyzed within the required holding times as determined by the analytical methods. The laboratory method blanks did not indicate detectable concentrations of any parameters. The matrix spike and matrix spike duplicate results were within acceptable limits. All other laboratory control standards were within acceptable limits. The quality control and quality assurance results are summarized and presented with the analytical reports in Attachment B.

4.0 MONITORING RESULTS

Groundwater conditions at the recycling and waste disposal facility were evaluated based on physical and analytical data obtained as a part of the sampling event. Physical data included groundwater elevations to determine the direction of groundwater flow within the monitored aquifers. The data were also compared to the applicable State of Florida groundwater quality standards in accordance with the MPIS. The following paragraphs discuss groundwater conditions at the facility during this sampling period.

4.1 Groundwater Flow

The water level measurements collected by HAI personnel during the event were converted to potentiometric elevations relative to the National Geodetic Vertical Datum (NGVD). The potentiometric elevations are presented in Table 1 and on Figure 2 (surficial aquifer) and Figure 3 (Floridan aquifer).

Mr. John Morris, P.G.
May 20, 2004
Page 4

Potentiometric elevations in the Floridan aquifer ranged from a low of 69.29 feet, NGVD in piezometer P-8 near the south central boundary of the property to a high of 72.62 feet, NGVD in monitor well MW-1 near the center of the property. Relative to water levels measured in July 2003, water levels have dropped by 0.69 to 6.32 feet in the surficial aquifer and by 4.57 to 7.06 feet in the Floridan aquifer. The surficial aquifer, as shown in Figure 2, has a flow direction from the northwest and west toward the east and southeast. The Floridan aquifer, as shown in Figure 3, has a flow direction from the north toward the south. Both are consistent with previously measured flow directions. The Floridan aquifer map differs from the previous groundwater flow map submitted in July 2003 during the initial groundwater sampling event, due to the removal of piezometer P-11 from the groundwater flow map. Groundwater elevations have historically been high at P-11 and are not consistent with the groundwater elevations of either the surficial or the Floridan aquifer monitor wells and piezometers. The water level at P-11 likely represents a perched water table or a water level within the clay confining unit.

4.2 Evaluation of Groundwater Quality Results

Table 2 lists the analytes for each monitor well that exceeded the water quality MCLs or other guidance concentrations. We understand that submittal of the FDEP forms 622-522.900(2) is still required in the FDEP Southwest District. These forms, as preliminarily approved by the Department, are provided in Attachment C.

Iron exceeded the concentration criterion in the sample from MW-1, with a value of 4.3 mg/L. Other parameters were detected in some samples but did not exceed concentration criteria. Those parameters include iron, sodium, vanadium, chloride, nitrate-nitrite, ammonia, alkalinity (no criteria found), and bicarbonate (no criteria found).

Dissolved oxygen content exceeded the 20% saturation limit in all but two wells (MW-1 and MW-7B) that were sampled, even though the wells were purged at flow rates of approximately 0.05 to 1.0 gallon per minute, and in accordance with the DEP SOP requirements. The dissolved oxygen results are consistent with the initial sampling event. Turbidity was below 20 NTUs in each of the monitor wells sampled.

Field pH values were below the 6.5 to 8.5 standard unit (SU) range in monitor wells MW-1, MW-5B, MW-6, and MW-7. This is not uncommon in the surficial aquifer. Field pH was above the 6.5 to 8.5 range for monitor well MW-7B, which observed a value of 11.50 SU. These results are consistent with past results.

Mr. John Morris, P.G.
May 20, 2004
Page 5

5.0 CONCLUSION

Groundwater levels are lower in each of the monitor wells and piezometers, than during the July 2003 sampling event, and flow direction is consistent in both the surficial and Floridan aquifer. With the exception of iron, which was detected above the MCL, no other metals or indicator parameters were found to exceed State minimum criteria. With the exception of MW-1 and MW-7B, all samples measured exceeded the standard for dissolved oxygen; with the exception of MW-1B and MW-5B, all samples measured exceeded the standard for pH, but these conditions are believed to be naturally occurring in the groundwater in this area.

Based on the results of this semi-annual monitoring event, we believe the groundwater monitoring plan is performing as designed and is sufficient for the site at this time.

Please call us if you have any questions concerning the data presented in this report.

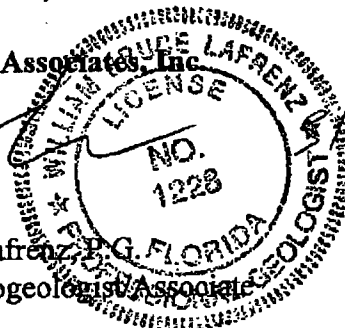
Very truly yours,

Hartman & Associates, Inc



Miguel A. Garcia
Project Hydrogeologist

W. Bruce Lafrenz, P.G.
Senior Hydrogeologist/Associate



Attachments

cc: Dominic Iafrate, ARM
Jeff Rogers, AAM
Jennifer Deal, P.E, HAI

MAG/jev/99.0331.012/Reports/R-1/SemiAnnGMR-Morris.doc

TABLE 2
GROUNDWATER EXCEEDENCES
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA
April 2004

Monitor Well	Parameter	Result	MCL/MC	Units
MW-1	Iron	4.3	0.3	mg/L
MW-1	pH	6.29	6.5-8.5	STD
MW-1B	Dissolved Oxygen	46.2	20	%
MW-5A	pH	5.40	6.5-8.5	STD
	Dissolved Oxygen	69.6	20	%
MW-5B	Dissolved Oxygen	39.7	20	%
MW-6	pH	5.00	6.5-8.5	STD
	Dissolved Oxygen	23.3	20	%
MW-7A	pH	5.36	6.5-8.5	STD
	Dissolved Oxygen	39.6	20	%
MW-7B	pH	11.50	6.5-8.5	STD
MCL - Maximum Contaminant Limit per FAC 62-550 and FAC 62-520				
MC - Groundwater Quality Minimum Criteria, per FAC 62-777				

Ford, Kim

From: Pelz, Susan
Sent: Thursday, March 11, 2004 2:56 PM
To: 'jld@consulthai.com'
Cc: Morris, John R.; Ford, Kim
Subject: RE: Enterprise Permit Requirements

Jennifer,

I agree that it doesn't seem reasonable to have a topographic survey and life estimate for 1 month's operation. We don't object to your proposal to submit the first topographic survey required by the operation permit no later than April 1, 2005.

However, I think it would be useful and is appropriate for the permittee to complete the first quarterly gas monitoring and submit the report as required by the permit, by April 15, 2004. Since the facility has only been operating for a short time, it will give the permittee a good base (startup) monitoring event.

Please let me know if you have any questions.

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us

-----Original Message-----

From: Jennifer L. Deal [mailto:jld@consulthai.com]
Sent: Wednesday, March 10, 2004 2:06 PM
To: Pelz, Susan
Subject: Enterprise Permit Requirements

Susan,

Thank you for your recent e-mail including the certification letter for Enterprise. I anticipate receiving of the report summarizing the grouting activities from Universal Engineering Sciences by the end of the week.

The operations permit for the Enterprise facility requires submittal of a topographic survey and life estimate calculations by April 1, and a quarterly gas monitoring survey by April 15. With operations commencing just this week, I propose submitting the first quarterly gas monitoring survey by July 15, and postponing of the topographic survey and life estimate until April 1, 2005.

Please let me know if this schedule is acceptable to the Department so that I may properly advise Angelo's of their upcoming requirements. Thank you for your time.

Jennifer L. Deal, P.E.
Hartman & Associates, Inc.
201 E. Pine Street, Ste. 1000
Orlando, FL 32801
407-839-3955



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Certified Mail 7003 1680 0006 6184 7917
Return Receipt Requested

March 8, 2004

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

RE: Enterprise Recycling & Disposal Class III Landfill
Permit Nos.: 177982-001-SC and 177982-002-SO, Pasco County

Dear Mr. Iafrate:

This letter is to acknowledge receipt of the following information prepared by Hartman and Associates, Inc. (HAI) (unless otherwise noted) concerning the construction certification of Cells 1 and 15 of the above-referenced facility:

1. Plan of Action for Cell Certification,... dated August 21, 2003 (received August 22, 2003);
2. Cell 1 Certification,... dated October 8, 2003 (received October 9, 2003);
3. Cell 1 Certification and Landfill Site Certification Addendum,... dated November 13, 2003 (received November 14, 2003);
4. Information transmitted via facsimile dated January 9, 2004 regarding permeability and % fines correlation;
5. Cell 1 and Landfill Site Certification Addendum 2 and Responses to Department's Certification Comments,... dated January 14, 2004 (received January 15, 2004);
6. Notification of Shallow Subsidence,... dated January 19, 2004 (received January 20, 2004);
7. Shallow Subsidence Clarification,... dated February 11, 2004 (received February 13, 2004);
8. Certification of Operations Cells 1 and 15,... dated February 18, 2004 (received February 23, 2004), prepared by HSA Golden; and
9. Information transmitted via facsimile dated February 25, 2004 regarding proposed grouting of subsidence in Cell 16.

"More Protection, Less Process"

Printed on recycled paper.

Other information was also reviewed in part or in its entirety during the evaluation of the Certification of Construction Completion for Cells 1 and 15. This information prepared by Hartman & Associates unless otherwise noted included, but is not limited to:

10. *Groundwater Monitoring Results*, dated December 18, 2003 (received December 19, 2003);
11. *Weekly Water Levels*, dated December 30, 2003 (received December 31, 2003);
12. Construction progress reports; and
13. Enterprise Recycling and Disposal Facility Class III Landfill Permit Application,... prepared by Hartman and Associates, dated November 2000 (received November 20, 2000).

Additionally, several meetings were held with, and site visits were made by, the Department, permittee and permittee's consultants. The conditions observed at the site and information needed for satisfactory completion of the Certification of the constructed areas were discussed at these site visits and meetings.

During permitting (2001), the applicant (Sid Larkin & Sons, Inc.) provided information that demonstrated that the construction and operation of the facility without a liner and leachate collection and removal system would not result in significant threat to the environment. The Department's acceptance of this demonstration was based in large part on the anticipated subsurface conditions at the site. The Hydrogeological Report provided as part of the permitting documentation included boring logs that generally showed "a consistent confining layer above the limestone" [ref. #13, above, page 3-14]. Additionally, the design required a continuous 3-foot layer of 1×10^{-6} cm/sec permeability material to be below or at the cell design bottom elevation to further mitigate any impacts from leachate into groundwater. If the test data did not indicate that this layer was present, the area would be "reworked or reconstructed so that it [would] meet these requirements" [ref. #13, Operations Plan, page 24]. The boring logs provided during permitting included inconsistent descriptions between some Universal Engineering Sciences logs in Section 4 and Hartman & Associates, Inc. logs in Section 5, but generally showed limestone below the proposed cell bottom elevations in Cell 1.

However, during construction of Cell 1 limestone was encountered at higher elevations than anticipated based on the hydrogeological and geotechnical investigations conducted at the time of permitting. In areas with limerock or sandy soils at the design bottom elevation of Cell 1, the unsuitable materials (limerock and sandy soils) were overexcavated and clayey soils which met the permeability requirements were placed and compacted in the excavated areas to meet the requirements of the permit and design. To confirm the presence of a 3-foot continuous clayey layer of the specified permeability (1×10^{-6} cm/sec), shallow and deep borings were completed, and a correlation between % fines in the clayey material and permeability test results was developed. In addition to clay and sandy clay materials meeting the permeability requirements, the correlation concluded that clayey sand materials with a minimum % fines of 30% would also be reasonably expected to meet the permeability requirements of the permit. The Department concurs with this conclusion based on the data provided.

The cross-sections show "limestone fragments" in many locations throughout the cell bottom and underlying strata. Although this does not appear to correlate with the original design intent or permit supporting documentation, the information provided with the Certification indicates that these "fragments" do not appear to be connected to the Floridan aquifer.

Subsequent to the completion of construction of Cells 1 and 15, the Department was notified by the permittee's consultant of a "Shallow Subsidence" that occurred in Cell 16, approximately 30 feet north of the temporary berm between Cells 15 and 16. Since Cell 16 was intended for temporary stormwater use only, and due to the occurrence of subsurface anomalies (e.g., sandy areas, irregular limestone surface, deep depression which is possibly a relic sinkhole), the permittee agreed to isolate the Cell 15 temporary stormwater management area from Cell 16 to allow the approval of Cells 1 and 15 while continuing to investigate the conditions in Cell 16. This isolation of Cell 16 was accomplished by constructing a temporary berm between Cells 15 and 16. As reported by HAI, in the area of the subsidence "a layer of loose or raveling material" was discovered in two locations. Additional borings were completed to confirm the extent of these areas, and a proposal for grouting the affected areas was submitted to the Department [ref. #7, 8 and 9]. It is the Department's understanding that this grouting activity is taking place the week of March 1, 2004.

Conclusion:

Based on the information provided for the Certification and the Department's review of relevant documents continued in the Department's files, the Department **does not object** to the operation of Cell 1 for waste disposal and Cell 15 for temporary stormwater management in accordance with the conditions of Operation permit #177982-002-SO and the following conditions:

1. This authorization does not include Cell 16.
2. The limerock "fragments" observed at the Cell 1 bottom elevation during the Department's January 21, 2004 inspection shall be removed and replaced with a minimum 3 feet of clayey material at the specified permeability of 1×10^{-6} cm/sec. Photographic documentation shall be submitted to the Department upon completion and prior to operation.
3. Repair of the subsidence in Cell 16 shall be completed prior to acceptance of waste in Cell 1. A report documenting the repair activities shall be submitted to the Department upon completion. The report shall document that the subsidence was repaired in accordance with the procedures provided [ref. #7, 8 and 9] and that the stability of the affected area has been restored. Photographic documentation, borings logs, or other suitable documentation shall be provided. The report shall be signed and sealed by a registered professional engineer or geologist as appropriate.
4. As required by modified stormwater management permit #51-0172489-003, the permittee shall notify the Department of any subsequent sinkhole development in the surface water management system within 48 hours after discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the Department within 30 days of discovery.
5. In the event of subsidence or other subsurface instability in Cells 1 or 15, waste disposal operations (Cell 1) or stormwater management (Cell 15) shall cease in the affected area and the Department shall be notified in accordance with Specific Conditions #5 and 40 of Operation Permit #177982-002-SO. Operations or stormwater management shall not resume until the condition has been adequately evaluated and remediated if necessary.

Although the conditions observed do not necessarily preclude the construction and operation of future cells, it is the Southwest District's position that the subsurface conditions observed during the construction and certification of Cells 1, 15 and 16 are a substantial deviation from the original permitted design. As such, the construction of subsequent cells and the completion of Cell 16 requires a modification of construction permit #177982-001-SC to update and revise the design as appropriate based on currently available information.

If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp
cc:

Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, Fl. 32801
William Kutash, Waste Program Administrator, FDEP Tampa
Richard Tedder, P.E., Solid Waste Program Administrator, FDEP Tallahassee
Chris McGuire, OGC
Fred Wick, FDEP, Tallahassee, w/attachment
Kim Ford, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa
David Smith, P.E., FDEP Tampa, ERP

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

Gerald C. Hartman, P.E., DEE
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Ada R. Terrero
Christopher W. Hardin, P.E.
James R. Warner, E.I.

March 2, 2004

HAI #99.0331.007
Phase 5
File 12.0

Via E-mail and UPS Overnight

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Initiation of Landfill Operations
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**

Dear Ms. Pelz:

Thank you for your recent e-mail correspondence regarding the Enterprise Recycling and Disposal Facility in Dade City, Florida (Facility). This response to your correspondence is being prepared by Hartman & Associates, Inc. (HAI), on behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), the holder of the above-referenced permits to construct and operate the Facility.

In accordance with Specific Condition 9 of the construction permit, HAI submitted to the Department the following documents on October 9, 2003: a Certification of Construction Completion, DEP Form 62-701.900(2); as-built surveys showing all changes; a narrative of the changes; and additional supporting documentation. Financial assurance documentation in accordance with F.A.C. Rule 62-701.630 was previously submitted to the Department. Addendums to this document were submitted at the request of the Department on November 14, 2003 and January 14, 2004, including a revised Certification of Construction Completion form. Since more than 14 days have passed since HAI submitted these documents, Angelo's is authorized under F.A.C. Rule 62-701.320(9)(a) to proceed with operation of the Facility in accordance with its construction and operation permits and the submitted modifications.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MAR - 3 2004
SOUTHWEST DISTRICT
TAMPA

Ms. Susan Pelz, P.E.
March 2, 2004
Page 2

Grouting activities for the subsidence in Cell 16 began on Monday, March 1, 2004, and is expected to require two to five days for completion. Documentation of the remedial activities will be submitted to the Department, as required by the recently modified stormwater permit.

Certification activities for Cell 16 will be concurrent with landfill operation. Certification documentation will be submitted to the Department upon completion.


At the request of Angelo's, HAI is submitting this notification of Angelo's intent to initiate landfill operations at the Facility. The Facility will begin to accept waste into the certified portion of Cell 1 on March 9, 2004.

Angelo's has been advised by their attorney that neither FAC Rule 62-701.320(9)(a) nor the Facility construction and operation permits require the Department's approval of a certification prior to commencement of landfill operations. This rule allows 14 days for the Department to visit the site prior to opening, but does not specify a legal authority for the Department to prevent a facility from operating. The most recent certification addendum package was submitted to the Department on January 14, 2004 via hand delivery. Kim Ford and John Morris performed a site visit on January 21, 2004. Therefore, the Department is not legally authorized to object to Angelo's proceeding with Facility operations as indicated herein. If you disagree with our understanding of the law, please advise us at your earliest convenience.

Please call us if you have any questions. Thank you for your consideration.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.007/T5/corresp/Pelz.doc

cc: Dominic Iafrate, Angelo's
Dan Thompson, Berger Singerman
Robert Butera, P.E.
Kim Ford, P.E., FDEP
John Morris, P.G., FDEP
James E. Golden, P.G., HSA Golden

Ford, Kim

From: Pelz, Susan
Sent: Thursday, February 19, 2004 7:32 PM
To: Jennifer L. Deal (E-mail)
Cc: Ford, Kim; Morris, John R.
Subject: Enterprise Certification

Jennifer,

I apologize for not getting back to you sooner. I am still making my way through all of the information and am trying to complete my review. I am looking in more detail than I had anticipated so that I am comfortable with our decision. I have comments from Kim and John and am trying to formulate the specifics of our conclusion.

I am taking some of the information with me to work on tomorrow and I hope to complete my review Monday a.m.

It is my intention, (unless I see a "fatal flaw" pointed out by John's or Kim's reviews or in the submittals I review for myself) to conditionally approve the Certification for Cell 1 & temporary pond use for Cell 15. I have to finish my review and then I will formulate those conditions. I'm sure that one of them will be regarding the pending stormwater permit modification.

I will be in touch Monday.

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us

Ford, Kim

From: Morris, John R.
Sent: Friday, February 13, 2004 4:21 PM
To: Ford, Kim; Pelz, Susan
Cc: Ross, Lora
Subject: Telephone conversation with Miguel Garcia -- routine ground water monitoring at Enterprise LF

Miguel Garcia, Hartman & Associates (407-839-3955) left a voice mail message on 2/12/04 @ 1610 regarding semi-annual ground water sampling at Enterprise Landfill

M.G. called back on 2/13/04 @ 1320 to discuss the requirement for conducting the routine ground water sampling at Enterprise LF. I indicated that I did not think they were obligated to conduct the routine (semi-annual) ground water sampling required by the operating permit as their certification had not been approved for them to operate the facility. I indicated that it was my impression that they had conducted the required initial sampling event prior to the initiation of waste disposal at the facility. I indicated I would ask the question to Kim Ford and Susan Pelz and would try to get back to him on Monday (2/16/04) with an answer to his question. M.G. indicated that he would send an e-mail message asking the question about when to start the routine ground water monitoring events and asked that I provide a written response.

M.G. also asked about the status of the review of the materials submitted in support of the certification for Cells # 1 & #15 and if we had reached any conclusion. I indicated that I knew Susan Pelz had conversations with Tallahassee (Richard Tedder) regarding the certification but that I was not aware that we had come to a conclusion yet.

M.G. also asked about the review of the certification addendum submittal, had we reviewed it yet? I indicated that I had gone through the correlation of %fines and permeability in the addendum and that Kim Ford had reviewed the submittal, but that we had not completed our review and was not aware that we had come to a conclusion yet.

John R. Morris, P.G.
Solid Waste Section, Southwest District Office
Telephone: 813-744-6100, ext. 336 (suncom 512-1042, ext. 336)
Facsimile: 813-744-6125
E-mail: john.r.morris@dep.state.fl.us

Ford, Kim

From: Morris, John R.
Sent: Friday, February 13, 2004 4:22 PM
To: Pelz, Susan; Ford, Kim
Subject: FW: Enterprise Class III LF Groundwater Sampling

This is the e-mail I referenced in my telephone conversation summary.

-----Original Message-----

From: Miguel Garcia [mailto:mgarcia@consulthai.com]
Sent: Friday, February 13, 2004 2:10 PM
To: Morris, John R.
Cc: jld@consulthai.com
Subject: Enterprise Class III LF Groundwater Sampling

John,

Are we required to continue providing Semi-Annual Groundwater sampling results to the FDEP at the site, even though the site is not certified for operation?

The initial background groundwater sampling was completed in late July.

Please advise.

Sincerely,

Miguel A. Garcia
Geologist
Hartman & Associates, Inc.
Tel: 407-839-3955
Fax: 407-839-2066
Email: Mgarcia@consulthai.com

2/16/2004

Ford, Kim

From: Morris, John R.
Sent: Friday, February 13, 2004 4:21 PM
To: Ford, Kim; Pelz, Susan
Cc: Ross, Lora
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Sincerely,

Miguel A. Garcia
Geologist
Hartman & Associates, Inc.
Tel: 407-839-3955
Fax: 407-839-2066
Email: Mgarcia@consulthai.com

2/16/2004

Enterprise Class III Landfill Site Inspection on January 21, 2004
(originally scheduled for January 14, 2004 but rescheduled when a sinkhole was discovered)

John Morris and Kim Ford at site at 2pm
met with Angelo and Dominic Iafate (owners), Jeff Rogers (with Angelos),
Jennifer Deal and Miguel Garcia (Hartman & Assoc.), A. Bork (Pasco County)
John goes with Jeff Rogers.

Kim in office with Jennifer and Dominic. I discussed generally that I am just looking over the site and DEP will make decisions after reviewing the reports. I mentioned that the hours of operation are from 7am-7pm and that DEP may want to clarify that there will be daylight operations only and that this can be a condition of approval of the certification. Generally in conversation I asked about the ERP. Jennifer said that there will be no ERP until February even though the application is complete and David Smith does not want the certification until after the permit is issued. I said that the ERP and approval may be a condition of our approval and suggested that they may want to call David Smith and see about sending in the certification since the work is complete. Jennifer asked if I had reviewed the sinkhole report. I said yes briefly. She said a topographic survey will be provided for the sinkhole. I asked if they understood that all information on Cell 16 is not part of this certification process. They agreed. I looked through the recent certification report and asked about the record drawings. I asked about the new potable well and septic tank, and suggested that the operations plan and a drawing may need to be revised to describe the locations and abandonment of both when operations get close.

We all drove to the east side of Cell 1. I asked for a shovel and went down into the cell along the north end and began to locate pieces of rock and would try to dig each out. Jeff Rogers made a couple of comments to me about I have seen more rock during the Sarasota landfill construction. I explained that I was at their site and was not there to give anyone a hard time and would continue to look for rock and was not there to discuss the Sarasota landfill. I had the camera and took some photos. I asked John to observe two locations and I took a rock sample that I chipped out from about one foot deep. Jennifer began explaining that it was not limestone but some sandy rock. I continued with the shovel and John went to observe other areas near the southeast in Cell 1. I caught up with him and dug out another spot of crunchy material that may or may not have been isolated in the top only. We walked to the west where a deep swale was cut west of the west side of Cell 1 to convey stormwater to the north away from the excavated cells. The swale continued from the south of Cell 1 to near the north property line and then to the west to a low area.

We drove to the east side near the Cell 15 /Cell 16 recently constructed berm and observed the area where the sinkhole was (it had been filled in). Miguel said there was no rock exposed but only clay. He said there were some borings with low blow counts and those locations would be grouted. I asked how far did the rod drop from one blow and Miguel said for some borings the rod dropped one foot per blow and one location the rod dropped 3 feet in one blow, but that was below the clay and there was clay found to be from the surface to between 6 and 12 feet below the surface. He said that the cavities are below the clay and must have opened up when the equipment was constructing the berm between Cells 15 and 16. Jennifer explained that they still have plans to overexcavate Cell 16 by 3 feet and backfill with 3 feet of clay. I explained that they must send in a plan with specifications and CQA for DEP to approve first. Jennifer said that she was going to follow the same plans as for patching. I said that may be so but I did not remember the details of those plans and it was for patching not for backfilling the entire cell by 3 feet, and we needed her to reference or provide the plan and request permission and get approval first. I expressed concern regarding the possibility of hydrostatic uplift that may have occurred after removing/relocating the soil from Cell 16 for the berm and the sinkhole opening up. Jennifer explained that was not the case and the material must be overexcavated to keep the available capacity for stormwater/contact water coming from the disposal cells. I explained that because the water table appears to be only 2 feet below the surface and they want to excavate 3 feet then they may have to dewater and dewatering should be described in their plan for excavation and backfilling. I explained that there should be no backfilling in the wet areas. Jennifer explained that there would be soil proctor tests for optimum moisture for compaction and density for each one foot lift.

[related information is also provided in the site inspection report by John Morris, and related site photos.]
kbf

Ford, Kim

From: Pelz, Susan
Sent: Monday, January 26, 2004 9:06 AM
To: Jennifer L. Deal (E-mail)
Cc: Morris, John R.; Ford, Kim; Tedder, Richard; Martin, Lee
Subject: Enterprise CIII-Pasco Co

Jennifer,

I received your faxed email 1/23/04. I'm meeting with John & Kim on Wed. to discuss the site visit and review of the Certification addendum. If you could email the Excel file it would help with the review.

As I expressed the last time we spoke, the occurrence of a sinkhole of notable size on the site (within one of the disposal cells) is problematic, especially because the facility is unlined. I am certain that the original design did not contemplate the occurrence of active sinkholes at the site. I have forwarded a copy of the notification letter and attachments to Tallahassee for their comment. If you could email the photos of the sinkhole, I would appreciate it.

I hope you understand that as new information is obtained or events occur it affects our evaluations. We cannot ignore any relevant information, and active sinkhole formation (especially within the disposal area) is of great concern.

I will be in touch when we have completed our review and have spoken with Tallahassee concerning the sinkhole.

Thanks.
Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

Gerald C. Hartman, PE., DEE
Harold E. Schmidt, Jr., PE., DEE
James E. Christopher, PE.
Charles W. Drake, P.G.
Mark A. Rynning, PE., M.B.A.
William D. Musser, PE., PH.
Michael B. Bomar, PE.
Lawrence E. Jenkins, PS.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, PE.
Douglas P. Dufresne, P.G.
Jon D. Fox, PE.
Troy E. Layton, PE., DEE

ASSOCIATES:

James E. Golden, P.G.
Andrew T. Woodcock, PE., M.B.A.
John P. Toomey, PE.
Jennifer L. Woodall, PE.
L. Todd Shaw, PE.
Rafael A. Terrero, PE., DEE
Jill M. Hudkins, PE.
Daniel M. Nelson, PE.
Yalerie C. Davis, P.G.
Charles M. Shultz, PE.
Sean M. Parks, AICP, QEP
C. Michelle Gaylor
Tara L. Hollis, C.P.A., M.B.A.
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, PE.
Ada R. Terrero

JAN 15 2004
Southwest District Tampa

LETTER OF TRANSMITTAL

TO: FL Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

DATE: Jan. 14, 2004	JOB NO. 99.0334-007/2 12.0
ATTENTION: Ms. Susan Pelz, P.E.	
RE: Enterprise Landfill, Dade City	

WE ARE SENDING YOU ATTACHED UNDER SEPARATE COVER VIA _____ THE FOLLOWING ITEMS:

- Shop Drawings Prints Plans Reports Specifications
 Copy of Letter Change Order Other _____

COPIES	DATE	NO.	DESCRIPTION
3	01/14/04		Certification Addendum 2 / Response to Comments (1 original, 2 copies)

THESE ARE TRANSMITTED as checked below:

- For Approval
 For your use
 As requested
 For review and comment
 Other _____

DEP.
JAN 15 2004
Southwest District Tampa

REMARKS:	Susan, Enclosed is the addendum to the certification package that we discussed in our January 5, 2004 meeting for the Enterprise Landfill. Please call us if you have any questions or need any clarification prior to our on-site meeting, January 21, 2004. Thank you.
-----------------	---

COPY TO: File

SIGNED: _____

Name: Jennifer L. Deal, P.E.

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32802-2723
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

A TETRA TECH COMPANY (Offices Nationwide)

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HARTMAN & ASSOCIATES, INC.

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engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

January 14, 2004

ASSOCIATES:

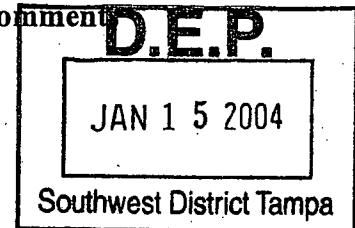
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Sean M. Parks, AICP, QEP
C. Michelle Gaylord
Tara L. Hollis, C.P.A., M.B.A.
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Ada R. Terrero

HAI #99.0331.007
Phase 5
File 12.0

Via Hand Delivery

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Cell 1 and Landfill Site Certification Addendum 2
and Responses to Department Certification Comments
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**



Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting responses to the Department's comments, dated December 8, 2003, regarding the certification submittals for the above referenced facility. Our responses are based on the discussion from our meeting with the Department on January 5, 2004. For your convenience, your comments are stated first with our responses, when applicable, following.

Comments from Kim Ford's Letter:

- 1) **Document entitled Cell 1 Certification dated October 8, 2003:**
- a) **The cover letter page 1 - HAI states that "the attached document indicates that Cell 1 has a continuous confining layer, at least 36-inches thick, with a permeability value no greater than 1x10⁻⁶cm/sec, and is prepared to accept waste". [The Department has not reached this same conclusion at this time as described below. This comment does not require a response.]**

Ford, Kim

From: Pelz, Susan
Sent: Thursday, January 08, 2004 6:18 PM
To: 'jld@consulthai.com'; Smith, David G
Cc: Ford, Kim; Morris, John R.
Subject: RE: Enterprise Landfill

Jennifer,

Rule 62-701.400(9)(a), F.A.C., requires that construction of the stormwater system shall be completed prior to acceptance of waste. If the stormwater management system that was already permitted is constructed and approved for operation (even though there's a pending modification) the facility may be able to operate. If the stormwater management system has not been constructed, the facility will not be able to accept waste for disposal until it has been.

David, do you have anything to add?

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us

-----Original Message-----

From: Jennifer L. Deal [mailto:jld@consulthai.com]
Sent: Thursday, January 08, 2004 5:06 PM
To: Pelz, Susan
Subject: Enterprise Landfill

Susan,

Craig Bryan of Angelo's spoke to David Smith today at the DEP office. David mentioned that he is currently quite busy, and as a result, the modified ERP for the Enterprise site will not be issued until February 16. As you know, Dominic lafrate is aiming for DEP's solid waste certification approval, and initiation of site operations, by the end of the month. If the ERP modification application is considered complete and is otherwise approved, is it possible to waive the requirement that the modified ERP be issued prior to operation [Comment 2)d) of Kim's letter]? The original ERP permit was issued on February 22, 2001. Please advise as soon as possible, as I will need to discuss this issue with Mr. lafrate. Thank you.

Jennifer L. Deal, P.E.
Hartman & Associates, Inc.
201 E. Pine Street, Ste. 1000
Orlando, FL 32801
407-839-3955



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

December 8, 2003

Mr. Craig Bryan
Angelo's Aggregate Materials, Ltd.
P.O. Box 1493
Largo, Florida 33779

**Re: Enterprise Class III landfill
Certification - Cells 1, 15, 16
Permit Nos.: 177982-001-SC and 177982-001-SO, Pasco County**

Dear Mr. Bryan:

The Department has received and reviewed the document entitled Cell 1 Certification dated October 8, 2003, and the document entitled Cell 1 and Landfill Site Certification Addendum dated November 13, 2003, by Hartman and Associates, Inc. (HAI). Due to the variable geology of the site uncovered during construction that appears to be different than what was intended as part of permitting, there may be a greater potential for groundwater contamination from the Enterprise Class III Landfill than originally thought. Although the Department may be able to authorize at least part of the new Enterprise Class III Landfill to operate and accept Class III waste, some additional conditions may be most appropriate for the operation and even for future new construction to demonstrate that the prohibition that "No person shall dispose of solid waste in a manner or location that causes water quality standards or criteria of the receiving waters to be violated" according to 62-701.300(1)(b) is not violated. Therefore, in an effort to make sure all reasonable protective measures are in place prior to acceptance of waste, additional information is requested in response to the following comments [*comments provided in italics with cross-references underlined*].

- 1) **Document entitled Cell 1 Certification dated October 8, 2003:**
 - a) **The cover letter page 1** - HAI states that "the attached document indicates that Cell 1 has a continuous confining layer, at least 36-inches thick, with a permeability value no greater than 1×10^{-6} cm/sec, and is prepared to accept waste". [*The Department has not reached this same conclusion at this time as described below. This comment does not require a response.*]
 - b) **The cover letter page 2** - HAI states that "The confining unit may be at the cell base, under the cell base, or a combination of both, as long as it is at least 36-inches thick and continuous with a maximum permeability of 1×10^{-6} cm/sec". [*The Department agrees that this is the approved design criteria.*] HAI states that "All borings used to verify the confining unit are shown on Figure 1 in Appendix A." [*Figure 1 in Appendix A was resubmitted as part of the addendum. Confirmation that Figure 1 (for both documents) includes the locations for all borings and all failing test locations should be provided.*]

"More Protection, Less Process"

Printed on recycled paper.

- c) **The cover letter page 3** - HAI states that "Based on this correlation, a sample with at least 31% passing the #200 sieve was considered acceptable as confining material." *[Related comments (memorandum dated December 4, 2003, by Mr. John Morris) are provided as an attachment to this letter.]* HAI states that "The Confining Layer Contour Map for Cell 1 (Figure 38) is in Appendix C." *[Figure 38 in Appendix C was resubmitted as part of the addendum. Confirmation that Figure 38 (for both documents) includes the locations for all borings and all failing test locations should be provided.]*
- d) **The cover letter page 4** - HAI states that a benchmark is installed in a cell corner post. *[A description of the benchmark should be provided with its elevation (NGVD).]*
- e) **The cover letter page 5** - *[no comments]*
- f) **The cover letter page 6** - HAI states that "As shown on the Confining Layer Contour Map for the temporary pond area, the continuous confining unit extends from the north end of Cell 1 through Cell 16. This map is provided as Figure 39 in Appendix C. Therefore, no additional quality assurance testing or construction will be required for certification of the confining unit in Cell 15 and in Cell 16." *[The Department has not reached this same conclusion at this time. This comment does not require a response. Related comments are provided in item 1)m of this letter.]*
- g) **The cover letter page 7** - HAI states that a stormwater permit modification is currently under review for changes, and a copy the approval for the construction will be provided. *[A stormwater permit must be issued prior to acceptance of waste. This may be resolved as a condition of approval for Cell 1. This comment does not require a response.]*
- h) **The cover letter page 8** - HAI states that Pond 2 may need to be redesigned and Appendix D includes revised entrance plan details. *[Record drawings should be provided to show all changes. This may be resolved as a condition of approval for Cell 1. This comment does not require a response.]*
- i) **Certification of Construction Completion (DEP Form #62-701.900(2))** - *[This form includes the certification for all of Cells 1, 15, and 16. A new certification (on DEP Form #62-701.900(2) as a replacement) should be provided to include only those areas that have been completely excavated and confirmed to have the specified clay layer/confining unit.]*
- j) **Summary of Deviations (attached to certification form)** - HAI states: the as-built survey for Cell 1 is provided in Appendix D and that Cell 1 was not entirely excavated *[The as-built topographic survey by Foresight shows that only parts of Cells 1, 15, 16 have been excavated. Related comments are provided in item 1)p of this letter.]*, swales were not constructed to drain Cell 1 or the west slope to the temporary pond, a berm was constructed with an open channel *[Related comments are provided in item 2)d of this letter.]*; the side slopes of Cell 1 were not constructed as designed and the north-central boundary of Cell 1 was over-excavated *[The "north-central boundary of Cell 1" appears to be adjacent to Cell 15 and would require no redesign. Clarification should be provided.]*; Pond 1 was modified, the location of the entrance, scalehouse, scales, and maintenance area have changed. *[Record drawings should be provided to show all changes from the approved plans.]*

- k) **Appendix A, Figure 1 (map of borings)** - [There are very few borings shown on this figure that include the boundaries of the cells, and there are no borings located on any the part of the selected cross-sections shown on this figure that include the boundaries of any of the cells. Only those areas that have been completely excavated and confirmed to have the specified clay layer/confining unit should be certified. All cross-sections must include borings shown for the certified area in order to include the entire certified waste disposal area for approval. All borings that represent the lithology in the vicinity of each cross-section, and the lithology for each of the detection well locations in the vicinity of the cross-section, should be included on the selected cross-section to show the continuity of the clay layer/confining unit. The degree of accuracy (for example: +/- 20 feet) must be provided for the boring locations. Related comments are provided in items 1)l), 1)m), and 1)n) of this letter.]
- l) **Appendix B (soil test results, tables of values, and correlation)** - [All borings must have an elevation (referred to the NGVD, rather than "MSL" referred to for the "AS" borings) at surface to be useful, especially for the shallower borings at surface. All other elevations below surface should be calculated from the surface elevation minus the depth. ("The elevations that are normally used in topographic mapping, geodetic surveys, engineering studies, and engineering construction surveys are referred to the NGVD. The NGVD should not be confused with local mean sea level datums." - from textbook entitled Surveying, by Davis, Foote, Anderson, and Mikhail.) The tables of values for the borings should provide the date of each boring, elevation (NGVD) at surface, elevation (NGVD) at the top of the clay layer/confining unit (that may be at the cell base/floor, under the cell base/floor, or a combination of both, as long as it is at least 36-inches thick and continuous with a maximum permeability of 1×10^{-6} cm/sec), clay layer/confining unit thickness, elevation (NGVD) for each sieve sample, % passing the #200 sieve, elevation (NGVD) for each permeability sample, and permeability test results in cm/sec. A separate table for each type of boring (such as for "B", "AS", "SSA", "ST", etc.), with each boring listed sequentially by the boring #, would be very helpful. The actual elevations (NGVD) at surface at the time of each boring must be provided. Related comments are provided in items 1)k), 1)m), and 1)n) of this letter.]
- m) **Appendix C, clay layer/confining unit contour maps:** A topographic survey provided or referenced for the at surface elevations for each boring (at the time of each boring) would be very helpful. The actual elevations (NGVD) at surface at the time for each boring are essential to the success of this certification and should be provided either on the topographic survey or listed separately. In either case, the list and the survey must be signed, dated, and sealed by a registered professional surveyor and mapper (F.S. 472.003(2)). For the clay layer/confining unit contour maps, a registered professional geologist may interpret the topographic survey/data and prepare the Figures 38 and 39, however, the professional surveyor must either cosign, date, and seal the figures or the referenced topographic survey/data (FAC 61G16-2.005, FS 492.102(7), F.S. 472.003(2)). Each figure should reference the topographic survey/data. With the topographic survey/data, the professional surveyor should provide the horizontal degree of accuracy (for example: +/- 20 feet) for the boring locations and the degree of accuracy (for example: +/- 6 inches) vertically for the elevations (NGVD) at surface at the time of each boring. The clay layer/confining unit contour maps show the clay layer/confining unit beyond the last boring along the cell boundaries and must be revised to limit the contours to the areas where supporting data is available. Related comments are provided in items 1)k), 1)l), and 1)n) of this letter.]

Figure 38 (Cell 1 clay layer/confining unit contour map) - [This figure/map is based on a topographic survey (with both horizontal and vertical control) and is intended to show both the Cell 1 clay layer/confining unit contours and the locations of specific features (borings, the limits of the excavated cells, and test pits/excavated areas). This figure/map shows that portions of the top of the clay layer/confining unit is at elevation +85 (3 feet above the surface) and higher, the cells (sideslopes) are not completely excavated, and no corner posts are shown for the limits of waste disposal. Boring B-18 is missing from this drawing. All borings must be shown on all top of clay layer/confining unit contour maps, or a specific reason provided for each excluded boring. This figure shows the excavated area for "AS-10" to be extremely small in comparison to the size of other excavated areas, and the location of boring "AS-42" is not shown within the excavated area. Additional borings should be provided in the vicinity of these two areas to confirm the presence of the clay layer/confining unit. The corner posts appear to be located at the cell boundaries and in areas along the toe of slope that have not been confirmed to have the specified clay layer/confining unit. The certified area should be provided on one drawing (drawn to scale) and limited to the area completely excavated and prepared for waste disposal, and the limits of waste disposal/certified area must be marked by corner posts. The scale of 1"=100' appears to be incorrect and must be corrected. This drawing must be corrected prior to the approval for Cell 1. A scale of 1"=60' is suggested, the same as for the cross-sections. Related comments are provided in items 1)k), 1)l), and 1)n) of this letter.]

Figure 39 (Cells 15 and 16 clay layer/confining unit contour map) - [This figure/map is based on a topographic survey (with both horizontal and vertical control) and is intended to show both the Cells 15 and 16 clay layer/confining unit contours and the locations of specific features (borings and the limits of the excavated cells). This figure/map shows that Cell 15 and Cell 16 are not completely excavated and there are no corner posts shown at the cell boundaries. The top of clay layer/confining unit contours dramatically change near the center of Cell 16, and the clay layer/confining unit thickness of at least 3 feet is not confirmed by an adequate number of borings. A top of the clay layer/confining unit drop of five feet between two borings spaced 100 feet apart is significant but acceptable when adequate thickness and permeability are confirmed. However, the top of the clay layer/confining unit drop of 30 feet in 100 feet (from B-33 to B-22) is dramatic and must be confirmed by additional borings and permeability tests. Therefore, the clay layer/confining unit thickness of 3 feet at the bottom of B-22 is of concern, and reasonable assurance of at least 3 feet of thickness must be provided by more closely spaced borings and/or greater than 3 feet of thickness. More continuity between borings allows for more widely spaced borings. Less continuity and dramatic changes requires more closely spaced borings. For areas with dramatic changes (such as those shown for Cell 16), additional borings on a grid of 50 feet are suggested. The certified area should be provided on one drawing (drawn to scale) and limited to the area completely excavated and prepared for waste disposal, and the limits of waste disposal/certified area must be marked by corner posts. All borings must be shown on all top of clay layer/confining unit contour maps. The scale of 1"=100' appears to be incorrect and must be corrected. A scale of 1"=60' is suggested, same as for the cross-sections. Related comments are provided in items 1)k), 1)l), and 1)n) of this letter.]

- n) **Appendix C, cross-sections (Figures 1 through 7):** [The cross-sections show clay below borings with no supporting data and must be revised to show all the lithologies on cross-sections end at the lower tip of the deepest representative boring, and at the last included boring, unless other deeper borings are shown to provide supporting data. All scales on each cross-section should be the same (1"=60'H, 1"=20'V suggested). More E-W cross-sections would be very helpful. More specific comments are provided for each cross-section. Related comments are provided in item 1)k) of this letter.]

Figure 1, cross-section A-A' (Scale: 1"=100'H, 1"=10'V) - [This cross-section shows only one permeability test for 6 deeper borings. This cross-section shows silty clay on the southeast slope with no borings and no borings on the cell base/floor along the west side for 350 feet from ST-2. This cross-section should show many of the "AS" borings and others (B-17 and SSA-11), and should be extended to the east to include SSA-20 and SSA-37.]

Figure 2, cross-section B-B' (Scale: 1"=100'H, 1"=10'V) - [This cross-section shows no boring for the south edge of Cell 1, or for the north edge. This cross-section provides more information, permeability tests, more borings, and is more helpful, and shows more clay layer/confining unit continuity. This cross-section should show many more of the "AS" borings and others (such as SSA-24).]

Figure 3, cross-section C-C' (Scale: 1"=60'H, 1"=30'V) - [Shows no borings for the east and west edges of Cell 15, and only one permeability test. This cross-section should be extended to the east to include MW-7A and MW-7B, and to the west to include DCL01-8.]

Figure 4, cross-section D-D' (Scale: 1"=50'H, 1"=25'V) - [This cross-section shows no boring for the north edge of Cell 16, and no permeability test for Cells 15 and 16. This cross-section should be extended to the north to include more borings (ST-7, B-22, B-26, B-31, DCL01-14, B-32, B-20, SSA-26, SSA-28, SSA-29). All of Cell 16 could be included.]

Figure 5, cross-section E-E' (Scale: 1"=60'H, 1"=30'V) - [This cross-section shows no borings for west edge of Cell 15 and the east edge of Cell 16. The top of the clay layer/confining unit drop of 30 feet in 100 feet (from B-33 to B-22) is dramatic and should be confirmed by additional borings and permeability tests, therefore the clay layer/confining unit thickness of 3 feet at B-22 is of concern. This cross-section should be extended to the northeast to include B-6, MW-5A and MW-5B, and to the southwest to include DCL01-8.]

Figure 6, cross-section F-F' (Scale: 1"=40'H, 1"=20'V) - [This cross-section shows no borings for the east and west edges of Cell 15. This cross-section should be extended to the east to include B-8, and on the west to include DCL01-8.]

Figure 7, cross-section G-G' (Scale: 1"=60'H, 1"=30'V) - [This cross-section shows no borings for the east and west edges of Cell 16. This cross-section should include more borings (B-5, SSA-27), and should be extended to the northwest to include MW-4 and to the southeast to include MW-6.]

- o) **Appendix C, boring logs (B-15 -B-34, SSA-1 -SSA-37, AS-1 -AS-47):** [Related comments are provided in item 1)] of this letter.]
- p) **Appendix D (as-built surveys)** - [All as-built topographic surveys by Foresight must signed, dated, and sealed by a professional surveyor. The elevations on Sheet 1 of 2 are difficult to read due to the scale. A scale of 1"=60' is suggested, same as for the cross-sections, and for the top of clay layer/confining unit contour maps. The cell corner posts, and the posts for the certification limits/disposal limits should be shown on each drawing, with the benchmarks described and shown with elevations (NGVD). The Plan & Profile Entrance Road drawing PP-1 (Sheet 1 of 4) appears to be part of another set of drawings that were not reviewed or approved by the Department. A complete set of these drawings should be provided. The As-Built Drainage Plan is not legible and should be provided as a record drawing. All drawings provided as record drawings must be signed, dated, and sealed by the professional engineer of record.]

- q) **Appendix E (soil stockpile test results) - [no comments]**
 - r) **Appendix F (photos of tie-ins) - [no comments]**
 - s) **Appendix G (field test results for tie-ins) - [no comments]**
 - t) **Appendix H (test results) - [The note "For information purposes only" appears to indicate that these test reports are not the official final reports. The official final reports should be provided.]**
 - u) **Appendix I (water table elevations) - [An evaluation of the water elevations should be provided to demonstrate that there is not a direct connection to the deeper Floridan LS aquifer and that the wells are adequately placed to monitor the groundwater (both the surficial and the deeper Floridan LS aquifer), and that the base/floor of each cell will remain at least 5 feet above the SHWT. Additionally, the location for a piezometer along the west side of the temporary pond to measure the groundwater fluctuations should be provided.]**
- 2) **Document entitled Cell 1 and Landfill Site Certification Addendum dated November 13, 2003:**
- a) **The cover letter page 1** - HAI states that "The boring logs for AS-1 through AS-47 describe the depth from surface of each boring in NGVD." *[Related comments are provided in item 1)l of this letter.]*
 - b) **The cover letter page 2** - HAI states that "borings confirmed areas as limestone surface lenses underlain by clay and not connected to the limestone aquifer. *[The Department has not reached this same conclusion at this time. This comment does not require a response. Related comments are provided in items 1)k), 1)l), 1)m), and 1)n of this letter.]* HAI states that FDEP did not stipulate additional borings in Cell 16 *[Related comments are provided in item 1)m of this letter.]* HAI states that "The data collected from Cells 15 and 16 provide reasonable assurance of a confining layer below the temporary pond" *[The Department has not reached this same conclusion at this time. This comment does not require a response. Related comments are provided in items 1)k), 1)l), 1)m), and 1)n of this letter.]*, and "water level observations in the temporary pond show very little percolation, a direct test of confinement" *[The basis for this conclusion should be provided. Related comments are provided in item 1)u of this letter.]*, and the dilution calculation predicts that only iron will exceed DEP groundwater quality criteria *[Related comments are provided in item 4)b of this letter.]* HAI states that "AS-10 and AS-42 were located in sandy areas that were excavated and replaced with confining unit material." *[Related comments are provided in item 1)m of this letter.]*
 - c) **The cover letter page 3** - HAI states that "Any intervals that did not meet the minimum of 31% fines passing, were either identified as non-conforming material in the boring logs, or located in areas not specified for certification, or had boring intervals below the failed interval." *[Related comments (memorandum dated December 4, 2003, by Mr. John Morris) are provided as an attachment to this letter.]* HAI states that "the locations of the corner posts that define the area of waste disposal on the floor of Cell 1 were included in Appendix D, Figures 1 and 38." *[Related comments are provided in items 1)k), 1)m), and 1)p of this letter.]*

- d) **The cover letter page 4** - HAI states that approval of the ERP is expected. *[The ERP must be issued prior to acceptance of waste. This may be resolved as a condition of approval for Cell 1.]* HAI states that a swale was constructed in the west portion of Cell 1, and a survey of the swale is included in Appendix C. *[This survey shows a berm (not a swale) that appears to divert the stormwater (from beyond the excavated portion of Cell 1) into the temporary pond away from the waste. This design does not appear to be compatible with the intended function of the temporary pond. The temporary pond was/is designed to contain the contact water that drains from the partially filled waste disposal areas only (not to collect stormwater from beyond the excavated disposal areas). Therefore, capacity calculations should be provided to demonstrate that the temporary pond will have the capacity to contain both the stormwater from beyond the excavated disposal areas and the contact water that drains from the partially filled waste disposal areas. Drainage from Cell 1 must be allowed to flow freely from the cell. Clarification should be provided.]*
- e) **The cover letter pages 4 and 5** - HAI describes several items not yet completed: the fence, signs, special non-conforming waste containers for batteries and paint, video camera, perimeter road, containers for Class I waste, and financial assurance. *[These items must be completed prior to acceptance of waste. This may be resolved as a condition of approval for Cell 1.]*
- f) **Figures 1 and 38** - *[Related comments are provided in items 1)k) and 1)m) of this letter.]*
- g) **Appendix A (estimated effluent concentration)** - *[Related comments are provided in item 4)b) of this letter.]*
- h) **Appendix B, "ST" borings (table of values)** - *[Related comments are provided in item 1)l) of this letter.]*
- i) **Appendix C (topographic survey for west side of Cell 1)** - *[This survey shows a berm (not a swale). Related comments are provided in item 2)d) of this letter.]*
- j) **Appendix D (water elevations)** - *[Related comments are provided in item 1)u) of this letter.]*

To gain a better understanding of the project, the Department has reviewed the original permit application and Department files, and offers the following comments *[comments provided in italics with cross-references underlined]*.

- 3) **Document entitled Enterprise Recycling and Disposal Facility Class III Landfill Permit Application, November 2000 (with revisions included):**
 - a) **Section 1 (application form, part B.21.)** - HAI requested a liner and LCRS exemption due to acceptance of only Class III waste and the presence of a natural confining layer. *[This has been typical for Class III landfill designs.]*

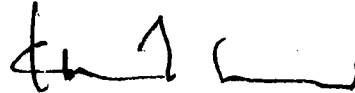
- b) **Section 3.7 (Engineering Report)** - HAI states that the landfill base will be "at least 5 feet above SHWT". *[This was/is part of the original design and part of the Department's basis for approval. Confirmation that the SHWT has been and will be at least 5 feet below the Cell 1 base/floor should be provided. Related comments are provided in item 1)u) of this letter.]*
- c) **Section 3.7 (Engineering Report)** - HAI states that each cell will be overcut by 50 feet for truck traffic and stormwater transport from the cell to the temporary pond, and a 6 feet high berm will prevent stormwater from entering the working face, as shown on Sheet G-1. *[Cell 1 was not overcut for stormwater on the south or the west, and the berm to divert stormwater and the conveyance for runoff from Cell 1 to the temporary pond do not appear to be constructed as designed. Related comments are provided in item 2)d) of this letter.]*
- d) **Section 3.8.3 (Engineering Report)** - HAI states that each 6-acre cell is expected to last 2 years with two ten-foot lifts per year. *[no comments]*
- e) **Section 3.10.1 (Engineering Report)** - HAI states that "Surface water and groundwater contact with the Class III wastes will be prevented by the proposed facility design." *[Related comments are provided in items 1)u), 2)d) and 3)b) of this letter.]*
- f) **Section 3.10.1 (Engineering Report)** - HAI states that "Since the facility proposes to accept only those wastes described in 62-701.340(3)(c), FAC, *[now described in 62-701.200(14)]* it is not expected to produce a leachate that would pose a threat to public health or the environment" *[The Department has not reached this same conclusion at this time. This comment does not require a response.]*, and "the strict method of controlling type of wastes disposed of also supports the liner exemption". *[Related comments are provided in item 4)b) of this letter.]*
- g) **Section 3.15 (Engineering Report)** - HAI states that "if the test data from the cell floor section does not meet the requirements, additional random samples may be tested, and if the additional testing demonstrates that the hydraulic conductivity meets the requirements, the cell will be considered acceptable". *[The Department agrees that retests are appropriate in some instances. An explanation should be provided for all retests (such as an area was reworked and retested, or due to a specifically described laboratory error).]*
- h) **Figures 3-6 - 3-12 (Sheets C-1 - C-6, and G-1)** - *[These drawings should be provided as record drawings for the initial construction, and should show the SHWT based on more data, and to show the initial berms and conveyances, and other new features (such as the locations of gas probes, groundwater monitoring wells, and stormwater ponds).]*

- 4) **Review of correspondence in Department files - #177982-001-SC:**
- a) **5/31/01, HAI response** - HAI explains that after dilution from rainfall and not including dispersion, diffusion, sorption, and biodegradation, only iron will exceed at the ZOD. *[Related comments are provided in item 4)b of this letter.]*
- b) **6/28/01, Department memorandum** - *[As indicated during the permit review, the Department has not considered the dilution equation and associated assumptions as adequate to describe the potential impacts to groundwater quality, however, other assurances were provided by the "control of unauthorized wastes, site hydrogeology, stormwater control, groundwater monitoring, and cell certification." Due to the variable geology of the site uncovered during construction that appears to be different than what was intended as part of permitting, additional assurances should be provided to demonstrate and confirm adequate environmental protection. Related comments are provided in item 1)u of this letter.]*
- c) **7/25/03 report by HAI** - Borings and LS areas are shown on Figure 1 (dated 7/14/03). *[This figure/map is the first topographic survey (with both horizontal and vertical control) for the Cell 1 base/floor and shows the LS areas, with elevations to the nearest tenth of a foot. Related comments are provided in items 1)k, and 1)m of this letter.]*
- d) **8/05/03 report by HAI** - HAI describes CQA for patching the LS areas, and states that "a soil liner is not being constructed at this site. The tie-ins are being constructed to ensure a continuous confining unit at the base of Cell 1." The report includes Figure 3 (not dated). *[This figure/map is the second topographic survey (with both horizontal and vertical control) for the Cell 1 base/floor and shows the locations for the "AS" (at surface) borings, with elevations to the nearest hundredth of a foot. Related comments are provided in items 1)k, and 1)m of this letter.]*
- e) **8/12/03, report by HAI** - This report includes Figure 6 (not dated). *[This figure/map appears to be incomplete and does not appear to qualify as a topographic survey (with both horizontal and vertical control) for the Cell 1 base/floor and shows the locations for some of the "AS" and "SSA" borings, (without elevations) with a note that states that the "locations are approximate". Both horizontal and vertical control are essential to the success of this certification. The intended use of this map should be described and clarification should be provided for the lack of both horizontal and vertical control. Related comments are provided in items 1)k, and 1)m of this letter.]*
- f) **8/19/03, Department meeting with HAI and Angelo's (notes in files)** - Discussed the Plan of Action required by specific condition #5 for LS, and that the intended design was/is that the clay layer/confining unit is either at the base/floor and/or at depth below the base/floor. Agreed that the top of clay layer/confining unit contour map must show the clay layer/confining unit to be continuous with at least 3 feet at 1x10⁻⁶cm/sec, with no averaging. Discussed the north half of Cell #1 and the concern for demonstrating that the clay layer/confining unit is at the base/floor due to the west side sandy area that may have the clay layer/confining unit at depth. *[Related comments are provided in item 1)m of this letter.]* Discussed Cell #15 and the concern that the bottom cannot be observed due to water. Discussed Cell #16 and the concern with the sandy area at north end, and the need for acceptable permeability test results in the target clay layer/confining unit. *[Related comments are provided in item 1)m of this letter.]*

- g) **9/08/03 Fax from SWFWMD** - SWFWMD approves an on-site potable drinking water supply well (converted from an existing irrigation well). *[The operations plan should be revised to describe the use of this on-site potable drinking water supply well rather than bottled drinking water, and to describe the plans for its future use or abandonment as waste disposal progresses to within 500 feet.]*

The certification for Cells 1, 15, and 16, is not approved. The Enterprise Class III Landfill is not authorized to accept waste. Upon receipt of the necessary supporting documents, the Department will continue its review and arrange for an inspection of the completed construction. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

kb

Attachment

cc: Jennifer Deal, P.E., Hartman and Associates
Susan Pelz, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa
David Smith, P.E., FDEP Tampa
Richard Tedder, P.E., FDEP Tallahassee
Chris McGuire, OGC, FDEP Tallahassee
Fred Wick, FDEP Tallahassee

Memorandum

Florida Department of Environmental Protection

TO: File for Permit Nos. 177982-001-SC and 177982-002-SO
FROM: John R. Morris, P.G. *JRM*
DATE: December 4, 2003
SUBJECT: Enterprise Recycling and Disposal Facility
Cell 1 Certification Review Comments – Confining Unit Continuity
cc: Kim Ford, P.E.
Susan Pelz, P.E. *SP*

I have reviewed sections of the submittal prepared by Hartman & Associates, Inc. (HAI) dated October 8, 2003, received October 9, 2003, regarding the certification for Cell 1 at the referenced facility. My review focused on the information provided to characterize the continuity of the native clay confining unit as indicated in the following sections of the referenced HAI submittal:

- Transmittal letter – correlation between sieve test results (% passing No. 200 sieve = “% fines”)
- Appendix B – permeability test results, correlation between % fines and permeability
- Appendix C – confining unit contour maps, cross sections, boring logs

Supplemental information included in the document entitled *Cell 1 and Landfill Site Certification Addendum*, prepared by HAI, dated November 13, 2003, received November 14, 2003, was also reviewed to further characterize site conditions.

The section of the HAI transmittal letter dated October 8, 2003 entitled “**TEMPORARY POND AREA**” includes a sub-heading entitled “**Cell 16**” (page 6) that indicates the following: “Due to a conflict of a preliminary correlation between permeability and percent fines with the actual permeability values obtained from test locations ST-13, ST-14, ST-16, and ST-17 in Cell 16, and ST-21 in Cell 14, tested by Ardaman (considered as outliers), some of the remaining intact Shelby tube samples were re-evaluated by UES.” The initial and retest results for the referenced locations are summarized below:

<u>Boring #</u>	<u>Cell #</u>	<u>Sample #</u>	<u>Sample Depth (ft BLS/elevation)</u>	<u>% Fines</u>	<u>Perm. (cm/sec)</u>
B-20 (initial test)	16	ST-13	8 – 10 / 65 – 67	38.1	5.3×10^{-6}
B-20 (retest)	16	ST-13	8 – 10 / 65 – 67	47.6	4.9×10^{-7}
B-21 (initial test)	16	ST-14	4 – 6 / 69 – 71	64.7	2.6×10^{-6}
B-21 (retest)	16	ST-14	4 – 6 / 69 – 71	52.3	6.7×10^{-8}
B-22 (initial test)	16	ST-16	44 – 46 / 29 – 31	13.3	9.2×10^{-6}
B-22 (retest)	16	ST-16	44 – 46 / 29 – 31	57.2	1.9×10^{-7}
B-23 (initial test)	16	ST-17	2 – 4 / 71 – 73	25.4	1.3×10^{-5}
B-23 (retest)	16	ST-17	2 – 4 / 71 – 73	38.8	6.9×10^{-8}
B-28 (initial test)	14	ST-21	32 – 34 / 62 – 64	33.8	2.1×10^{-6}
B-28 (retest)	14	ST-21	32 – 34 / 62 – 64	33.1	7.5×10^{-7}

The basis for determining that the initial results from these five locations were outliers was not presented in the certification submittals. The procedure for handling the Shelby tubes to prepare the samples that were submitted for retesting and the intervals within the Shelby tube submitted for retesting were not described in the certification submittals. The reasons for the different results were not presented in the certification submittals. Descriptions of the lithology of the samples submitted for retesting were not presented in the certification submittals.

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The section of the HAI transmittal letter dated October 8, 2003 entitled “CELL 1 CQA TESTING” indicates that the correlation between permeability and percent fines results in acceptable confining materials containing at least 31% fines, as presented in Appendix B of the submittal. It appears that the initial testing results from these five locations (“outliers”) were omitted from the correlation between sample permeability and percent fines. It also appears that a power function was selected by HAI for this correlation for all permeability tests conducted at the facility excluding the outliers, with an R^2 value of about 0.54. Alternate correlation #1 was prepared with the same data points using an exponential function to better fit the data and resulted in an R^2 value of about 0.66. Using alternate correlation #1, it is estimated that acceptable confining materials would be required to contain about 42% fines (see attached plot entitled “Perms. vs % Fines (Alternate Correlation #1) and attached summary table).

The section of the HAI transmittal letter dated October 8, 2003 entitled “CELL 1 CQA TESTING” describes seven “field units” in the soils encountered at the facility, four of which were indicated to be acceptable confining materials (sandy clay, silty clay, clay and clayey sand) and three of which were indicated to be unacceptable confining materials (silty sand, limestone marl and limestone). It appears that the clayey sand field unit exhibits a range of percent fine and permeability values that require further evaluation regarding its suitability as confining material. Alternate correlation #2 was prepared with only the samples that were described to be clayey sands to obtain a better solution (“better fit”) for the data points. To be consistent with the approach taken by HAI, the “outliers” were excluded from alternate correlation #2, and an exponential function was selected, with an R^2 value of about 0.77. Using alternate correlation #2, it is estimated that acceptable confining materials would be required to contain about 37% fines (see attached plot entitled “Perms. vs % Fines (Alternate Correlation #2) and attached summary table).

The differences in the correlation between percent fines and permeability provided by HAI and the alternate correlations described above appear to be significant when depicting the soil types that are included as part of the confining unit. It appears appropriate to exclude the clayey sand field unit from the confining materials based solely on physical description unless the clayey sand sediments in individual borings have testing data that demonstrates an acceptable % fines content is present.

Instances where the thickness of the confining unit within Cell 1 as shown on Figure 38 in the HAI submittal dated October 8, 2003 is subject to revision if acceptable confining materials are determined by using at least 37% fines and clayey sands are excluded unless supported by a sieve test are summarized below:

- AS-6: a sieve test conducted on the clayey sands encountered at 2 feet BLS indicated the sample was 31.7% fines; it appears that no acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- AS-11: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 2.5-3 feet BLS; it appears that 2.5 feet of acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- AS-16: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 0-2 feet BLS; it appears that 1 foot of acceptable confining materials was demonstrated at this location rather than the 3 feet shown on Figure 38; it is unclear if this boring location was included in the area excavated as part of Test Pit No. 4.
- AS-18: the silty sand sediments encountered from 0-2 feet BLS were indicated to be unacceptable materials for the confining layer; it appears that the boring was too shallow to demonstrate the occurrence of 3 feet of acceptable confining materials at this location.
- AS-19: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 0-2 feet BLS; a sieve test conducted on the sandy clay encountered at 2 feet BLS indicated the sample was 34.9% fines; it appears that no acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.

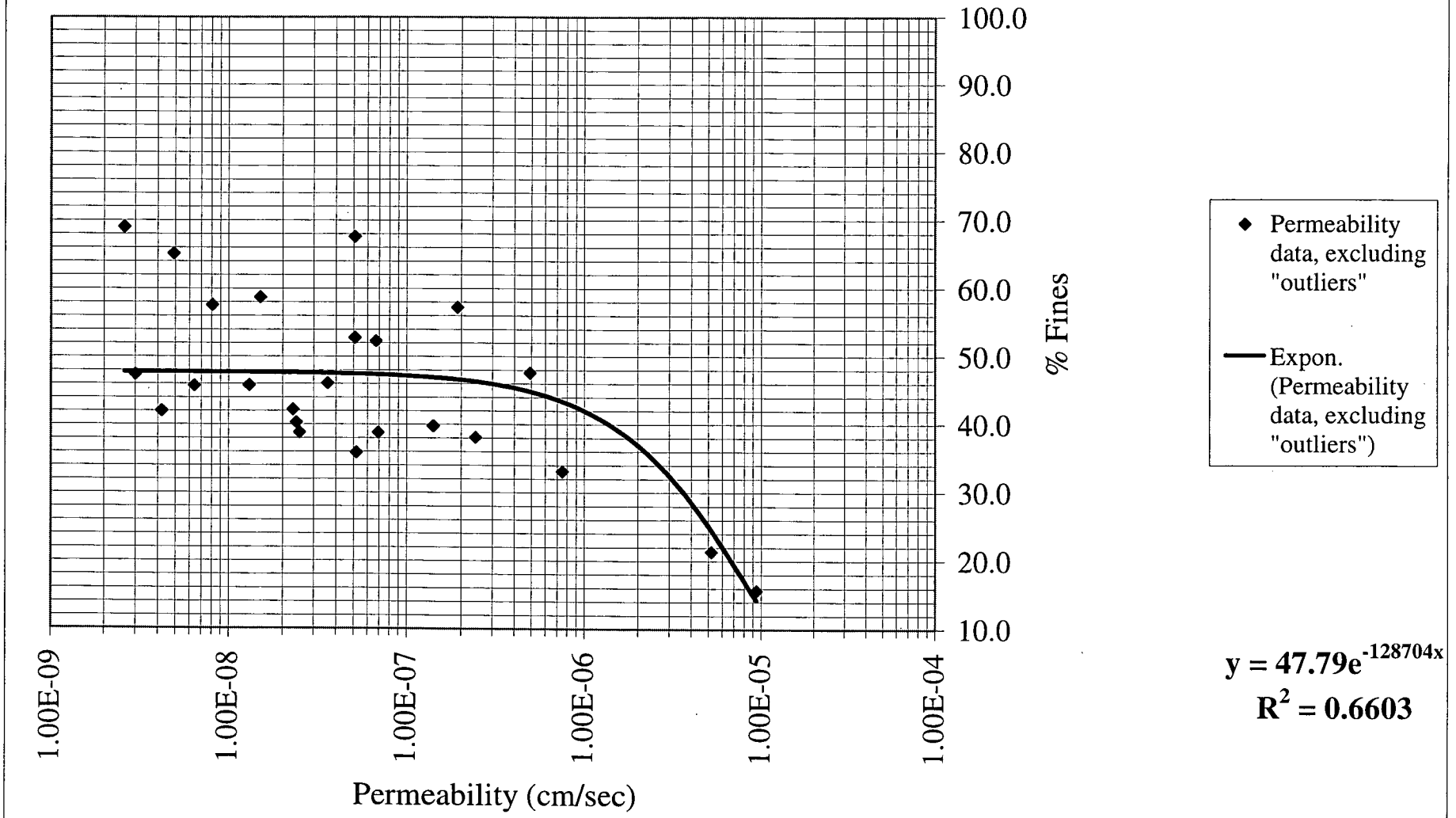
- AS-34: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 0-1 foot below land surface (ft BLS); it appears that 2 feet of acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38; it is unclear if this boring location is outside the portion of Cell 1 that was intended to be included in the certification.
- AS-37: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 1.5-1.75 feet BLS; it appears that 1.25 feet of acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- AS-38: it does not appear that a sieve test was conducted on the clayey sands that were encountered from 1-1.75 feet BLS; it appears that 1.25 feet of acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- AS-42: a sieve test conducted on the clayey sands encountered at 2 feet BLS indicated the sample was 15.8% fines; it appears that no acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- AS-44: a sieve test conducted on the clayey sands encountered at 2 feet BLS indicated the sample was 33.5% fines; it appears that no acceptable confining materials were demonstrated at this location rather than the 3 feet shown on Figure 38.
- SSA-19: it does not appear that sieve tests were conducted on the clayey sands that were encountered from 0-4 ft BLS and 9-13 ft BLS; it appears that 5 feet of acceptable confining materials were demonstrated at this location rather than the 13 feet shown on Figure 38; it is unclear if this boring location is outside the portion of Cell 1 that was intended to be included in the certification.
- SSA-20: a sieve test conducted on the clayey sands encountered from 5-10 feet BLS indicated the sample was 29% fines; it appears that 4 feet of acceptable confining materials were demonstrated at this location rather than the 18 feet shown on Figure 38; it is unclear if this boring location is outside the portion of Cell 1 that was intended to be included in the certification.

Given the importance of determining the occurrence of acceptable confining materials at the facility, it does not seem appropriate to further review the boring logs, contour maps and cross sections until the questions about the correlation evaluation have been resolved.

Attachments -- Perms. vs. % Fines plots (Alternate Correlations #1 and #2)
Table of Soil Test Results (Alternate Correlations #1 and #2)

jrm

Perms. vs % Fines (Alternate Correlation #1)



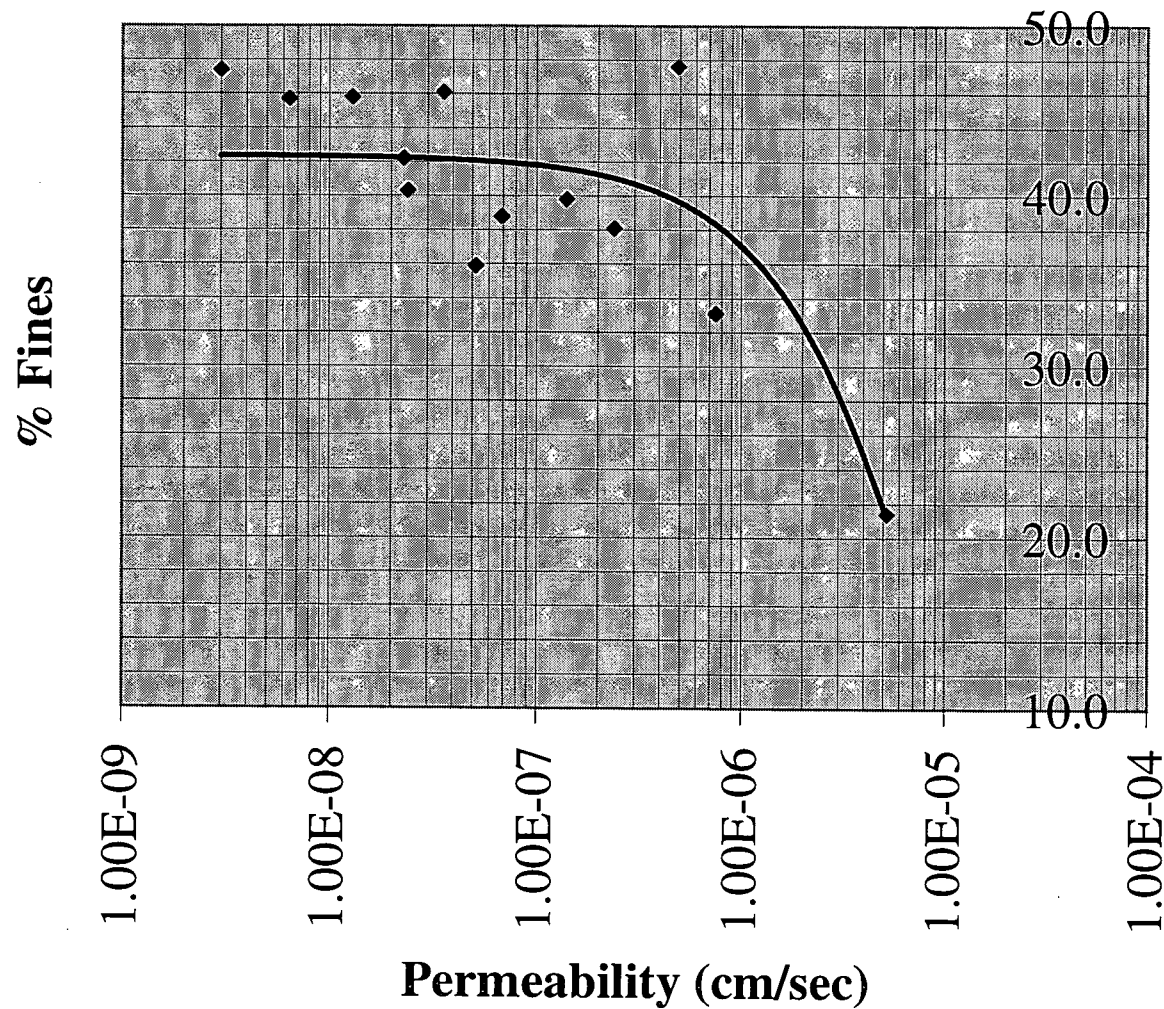
Enterprise Class III -- Soil Test Results (Alternate Correlation #1)

Test #	ALL PERM. TESTS		PERMS. EXCLUDING RETESTS		PERMS. EXCLUDING OUTLIERS		Testing Laboratory
	Permeability (cm/sec)	% Passing #200 (% fines)	Permeability (cm/sec)	% Passing #200 (% fines)	Permeability (cm/sec)	% Passing #200 (% fines)	
ST-1	2.40E-08	40.3	2.40E-08	40.3	2.40E-08	40.3	Universal
ST-2	8.10E-09	57.6	8.10E-09	57.6	8.10E-09	57.6	Universal
ST-3	1.30E-08	45.8	1.30E-08	45.8	1.30E-08	45.8	Universal
ST-4	2.60E-09	69.0	2.60E-09	69.0	2.60E-09	69.0	Universal
ST-5	1.50E-08	58.7	1.50E-08	58.7	1.50E-08	58.7	Universal
ST-6	3.60E-08	46.1	3.60E-08	46.1	3.60E-08	46.1	Universal
ST-7	9.40E-06	15.7	9.40E-06	15.7	9.40E-06	15.7	Universal
ST-8	5.10E-08	52.8	5.10E-08	52.8	5.10E-08	52.8	Universal
ST-9	2.30E-08	42.2	2.30E-08	42.2	2.30E-08	42.2	Ardaman
ST-10	5.20E-08	35.9	5.20E-08	35.9	5.20E-08	35.9	Ardaman
ST-11	6.40E-09	45.7	6.40E-09	45.7	6.40E-09	45.7	Ardaman
ST-12	2.40E-07	38.1	2.40E-07	38.1	2.40E-07	38.1	Ardaman
ST-12A	3.00E-09	47.4	3.00E-09	47.4	3.00E-09	47.4	Ardaman
ST-13	5.30E-06	38.1	5.30E-06	38.1			Ardaman
ST-13R	4.90E-07	47.6			4.90E-07	47.6	Universal
ST-14	2.60E-06	64.7	2.60E-06	64.7			Ardaman
ST-14R	6.70E-08	52.3			6.70E-08	52.3	Universal
ST-15	5.20E-06	21.4	5.20E-06	21.4	5.20E-06	21.4	Ardaman
ST-16	9.20E-06	13.3	9.20E-06	13.3			Ardaman
ST-16R	1.90E-07	57.2			1.90E-07	57.2	Universal
ST-17	1.30E-05	25.4	1.30E-05	25.4			Ardaman
ST-17R	6.90E-08	38.8			6.90E-08	38.8	Universal
ST-18	5.10E-08	67.6	5.10E-08	67.6	5.10E-08	67.6	Ardaman
ST-19	4.90E-09	65.1	4.90E-09	65.1	4.90E-09	65.1	Ardaman
ST-20	1.40E-07	39.8	1.40E-07	39.8	1.40E-07	39.8	Ardaman
ST-21	2.10E-06	33.8	2.10E-06	33.8			Ardaman
ST-21R	7.50E-07	33.1			7.50E-07	33.1	Universal
Stockpile 1	4.20E-09	42.0	4.20E-09	42.0	4.20E-09	42.0	Ardaman
Stockpile 2	2.50E-08	38.8	2.50E-08	38.8	2.50E-08	38.8	Ardaman

Data from Hartman & Associates, Inc., Cell 1 Certification, dated October 8, 2003, received October 9, 2003, Appendix B

- Ardaman = Ardaman & Associates, Inc.
- Universal = Universal Engineering Sciences

Perms. vs % Fines (Alternate Correlation #2)



- ◆ Clayey sands, excluding "outliers"
- Expon. (Clayey sands, excluding "outliers")

$$y = 42.369e^{-133377x}$$
$$R^2 = 0.7694$$

Enterprise Class III -- Soil Test Results (Alternate Correlation #2)

Test #	CLAYEY SAND (all data)		CLAYEY SAND (no outliers)		SANDY CLAY/CLAY (all data)		SILTY SAND (all data)		Testing Laboratory
	Permeability (cm/sec)	% Passing #200 (% fines)	Permeability (cm/sec)	% Passing #200 (% fines)	Permeability (cm/sec)	% Passing #200 (% fines)	Permeability (cm/sec)	% Passing #200 (% fines)	
ST-1	2.40E-08	40.3	2.40E-08	40.3					Universal
ST-2					8.10E-09	57.6			Universal
ST-3	1.30E-08	45.8	1.30E-08	45.8					Universal
ST-4					2.60E-09	69.0			Universal
ST-5					1.50E-08	58.7			Universal
ST-6	3.60E-08	46.1	3.60E-08	46.1					Universal
ST-7							9.40E-06	15.7	Universal
ST-8					5.10E-08	52.8			Universal
ST-9	2.30E-08	42.2	2.30E-08	42.2					Ardaman
ST-10	5.20E-08	35.9	5.20E-08	35.9					Ardaman
ST-11	6.40E-09	45.7	6.40E-09	45.7					Ardaman
ST-12	2.40E-07	38.1	2.40E-07	38.1					Ardaman
ST-12A	3.00E-09	47.4	3.00E-09	47.4					Ardaman
ST-13	5.30E-06	38.1							Ardaman
ST-13R	4.90E-07	47.6	4.90E-07	47.6					Ardaman
ST-14					2.60E-06	64.7			Ardaman
ST-14R					6.70E-08	52.3			Universal
ST-15	5.20E-06	21.4	5.20E-06	21.4					Ardaman
ST-16							9.20E-06	13.3	Ardaman
ST-16R							1.90E-07	57.2	Universal
ST-17	1.30E-05	25.4							Ardaman
ST-17R	6.90E-08	38.8	6.90E-08	38.8					Universal
ST-18					5.10E-08	67.6			Ardaman
ST-19					4.90E-09	65.1			Ardaman
ST-20	1.40E-07	39.8	1.40E-07	39.8					Ardaman
ST-21	2.10E-06	33.8							Ardaman
ST-21R	7.50E-07	33.1	7.50E-07	33.1					Universal
Stockpile 1					4.20E-09	42.0			Ardaman
Stockpile 2					2.50E-08	38.8			Ardaman
	R ²	% Fines Correlation	R ²	% Fines Correlation					
Linear	0.4838	40	0.6488	38					
Log	0.5973	34	0.5706	33					
Polynomial	0.5657	39	0.6649	35					
Power	0.578	33	0.5805	32					
Exponential	0.5099	39	0.7694	37					

Data from Hartman & Associates, Inc., Cell 1 Certification, dated October 8, 2003, received October 9, 2003, Appendix B
 - Ardaman = Ardaman & Associates, Inc.
 - Universal = Universal Engineering Sciences

Ford, Kim

From: Pelz, Susan
Sent: Thursday, December 11, 2003 6:35 PM
To: 'jld@consulthai.com'
Cc: Ford, Kim; Morris, John R.
Subject: Enterprise Certification



Enterprise CIII Cert enterpriseCIII.d03.
RAI 12-08... doc

Jennifer,

Attached is the letter that will be mailed tomorrow, and John's memo. Generally, the letter is informational but requests some additional information/clarification. There is a problem area in Cell 16 that may need additional borings to verify clay presence and thickness due to the presence of an unexpected depressional area.

The correlation in John's memo is our best look at the data. If you have alternate correlations that are a better fit of the data, we can certainly consider it.

After you have a chance to look over the letter and memo, email me to discuss. I'll be out of the office pretty much until after Christmas but will be checking email. I have not contacted Craig Bryan about the letter. If you could pass the word along I would appreciate it.

I think Kim gave you some tentative dates for a site visit in January. I won't be attending the site visit, but you should go ahead & firm up the date with Kim and John.

We understand the urgency of getting the facility open. We are doing what we can to expedite it. I'm sure you can appreciate the complexity of the project, and our concerns generally about unlined disposal facilities. We just want to make sure that the as-built condition of the facility is consistent with what we all expected when it was permitted.

Thanks,

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us

Ford, Kim

From: Ford, Kim

Sent: Tuesday, December 09, 2003 12:54 PM

To: Pelz, Susan; Morgan, Steve; Morris, John R.; Petro, Stephanie; Ross, Lora

Subject: Conversation with Jennifer Deal about Enterprise CIII

FYI

12/9/2003

Conversation with Jennifer Deal about Enterprise CIII

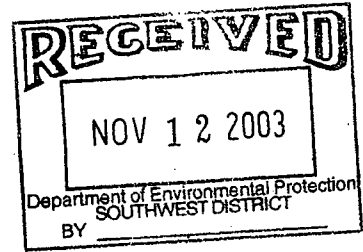
On December 9, 2003 at 9:40am, I called J.D. (with Steve and John) to discuss tentative dates for a site visit in January. I said that John and I can visit the site during the week of January 12-15. J.D. said what about earlier. I said I would like to discuss the reason for the site visit. Usually the site visit is sort of taking a tour after the certification has been resolved, so I wanted to make sure that she was not misled into thinking that the site visit is more important than it really is or for some other reason. She said that she was asked by Angelos to set up the site visit as soon as possible. I said that I just did not want her to invite a whole bunch of people and think that it would be a meeting because Susan said that she intends to attend the meeting and she might not visit the site. J.D. said that Susan had mentioned that she may not visit the site. I said that the response to our letter is more important. J.D. said she understands and when will she get the letter. I said Susan intends to have it faxed to you on Thursday. I said that John, Susan, and I have worked on it and the drafts to make it as clear as possible, and she may have some questions about the letter and she may not. I said I hope it is clear enough so that she can start working on it. I asked if she will probably start working on responses right way? J.D. said yes. I suggested that if she has some questions, then she could make an agenda for a meeting and use her questions to expand on items in her agenda and send it to us so that we can be prepared for the meeting. I explained that Susan will be out and then I will be out so the meeting would be in January if we need one. I said that she could e-mail the agenda/question to Susan and copy me so that we can sort of keep Susan as the point person. J.D. said that will be fine. Steve asked if all that was Ok or did she want to set up a specific date for a site visit. J.D. said yes it is Ok, and she looks forward to getting the letter, and that the tentative dates are Ok for now.

Kim

SM
KF

Angelo's AGGREGATE MATERIALS LTD.

dba Angelo's RECYCLED MATERIALS
dba FRONTIER RECYCLING
P.O. Box 1493
Largo, Florida 33779
(727) 581-1544 FAX: (727) 586-5676



John
Fi

August 22, 2003

To whom it may concern,

This letter is to authorize Craig A. Bryan II, as a representative of Angelo's Aggregate Materials, LTD., to apply for, provide information to and for all permitting issues pertaining to Angelo's Aggregate Materials, LTD, in Pinellas, Hillsborough, and Pasco Counties.

Sincerely

Angelo Iafrate, Sr.
President

Dominic Iafrate
Vice President

Tammy Simmons
MY COMMISSION # DD233517 EXPIRES
July 20, 2007
BONDED THRU TROY FAIN INSURANCE, INC.



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

November 4, 2003

RE: Enterprise Recycling & Disposal Class III Landfill
Located west of Auton Road, Dade City, Fl.
Financial Assurance Cost Estimates
Permit Nos.: 177982-001-SC and 177982-002-SO, Pasco County

Dear Mr. Iafrate:

This letter is to acknowledge receipt of the revised cost estimates dated September 30, 2003 (received October 8, 2003), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received October 8, 2003 (total closing \$452,091.23 and \$52,201.37/year x 30 years = \$1,566,040.95 total long-term care), are **APPROVED for 2003**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. Due to recent revisions of Rule 62-701.630, F.A.C., the next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2004.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp
cc:

Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Kim Ford, P.E., FDEP Tampa

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Ford, Kim

From: Ford, Kim**Sent:** Friday, October 24, 2003 9:49 AM**To:** Pelz, Susan**Cc:** Morris, John R.**Subject:** conversation with Jennifer Deal and Jim Golden (Hartman and Associates) about phone call to Craig Bryan about Enterprise Certification

on October 23 at 4:45pm , Susan Plelz and Kim Ford spoke with J.D. and J.G. about our phone call to C.B. as follows:

Susan explained that we (Susan, John Morris, Kim) called C.B because of the "14 day rule" and because C.B. is in-charge of the site and responsible for the facility operation, and we needed to give him reasons why we were saying that he could not dispose of waste in the new area. Kim explained that the phone call was not avoid or criticize Hartman and Associates, or anyone, and we had not completed our review, and we intend to respond in writing to Hartman after the review is completed. Kim explained that the conversation evolved as C.B. asked for more details. so, J.M. made comment and Susan and Kim added to it. Susan explained that the main reason we called was to say no before the "14 days". J.G. asked if the 14 day clock starts again when we receive the complete information. Susan said no, only initially but we will put it on the 30 day clock anyway when we receive it.

Kim

10/24/2003

Ford, Kim

From: Ford, Kim
Sent: Wednesday, October 22, 2003 5:37 PM
To: Pelz, Susan; Morris, John R.; Smith, David G
Subject: conversation with Craig Bryan about Enterprise CIII Certification Document

On October 22, 2003 at 4:30pm, C.B. returned DEP's call, with Susan Pelz, John Morris, and Kim Ford present, we discussed the following items:

- 1) The certification is not complete due to the items already identified in the certification document as not completed.
- 2) the ERP permit mod. must be issued and the area construction completed, and its certification provided to David Smith, and its certification approved by David Smith by letter transferring it into operation, prior to acceptance of waste.
- 3) the boring logs are reported as depth without elevations provided for the ground surface at each boring, so DEP suggested a table listing all borings with the ground surface elevation at the time of the boring provided for each boring and the table of elevations signed and sealed by a PLS. there is a big disconnect between the top of clay contour map and the borings without the ground surface elevations at each.
- 4) DEP commented that generally Cell#1 may have problems with limestone, Cell#15 is much better, and Cell#16 may have problems with sand, and more borings may be needed to confirm clay in areas with drastically changing clay contours.
- 5) DEP mentioned 5 borings in Cell#1 without confirmed clay (J.M. said which ones).
- 6) DEP (S.P. & K.F.) mentioned recalling earlier agreements that each boring would have a seive analysis to compare to other values related to permeability and that soil descriptions only would not be used to demonstrate the values of permeability, and the seives samples must be taken from the required 3 feet of clay layer.
- 6) DEP explained that the certification must include the location of posts for delineating the limits of waste disposal where all excavation is completed and there will be no more excavation of the certified area.
- 7) C.B. asked since DEP has not completed its review of the entire certification document, are there items that we have discussed that may be resolved later in the document. DEP said it is likely that all of what we have discussed will be expanded on later when DEP continues its review.
- 8) DEP explained that the main reason for the discussion was to advise that the new certified area is not approved for use, and that we expect a complete certification package to start DEP's review again and then we will provide written comments on all of it within 30 days.

kbf

10/22/2003

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

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., M.B.A.
William D. Musser, P.E., P.H.
Michael B. Bomar, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

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Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Troy E. Layton, P.E., DEE

ASSOCIATES:

James E. Golden, P.G.
Andrew T. Woodcock, P.E., M.B.A.
John P. Toomcy, P.E.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.
Rafael A. Terrero, P.E., DEE
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Sean M. Parks, AICP, QEP
C. Michelle Gaylord
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W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Ada R. Terrero



Via UPS Ground

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Monitoring Well Completion and Abandonment Reports
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**

ENTIRE REPORT IN
"MON. WELL CONSTRUCTION
DETAILS" FILE

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Inc., Hartman & Associates, Inc. (HAI) is submitting for your review the monitoring well completion reports for the one (1) background-monitoring well (MW-1), and the eight (8) detection monitoring wells (MW-5A, MW-5B, MW-6, and MW-7A, MW-8, MW-9, MW-10, and MW-11), at the subject site in Dade City, Florida, see Figure 1. HAI personnel were at the subject site at various times from April 3 - July 14, 2003 during the monitoring well installations. Upon completion of all the monitor wells, each well was completed with a 2'x2' concrete pad and a 4"x4" aluminum aboveground protector. Each monitor well was also developed with a 12 V plastic submersible pump with clean polyethylene tubing for 1 hour or until the water was pumped clean.

A monitoring well completion report and an HAI boring log has been included for each well, included in Attachment A. As-built monitoring well construction diagrams summarizing each well, are included as Figures 2 and 3. A horizontal and vertical survey of the wells is also enclosed, in Attachment B.

After the completion of the monitor well pilot holes, several variations were made to the monitor well designs proposed in the Groundwater Monitoring Plan (GMP). The majority of these variations were changes to the total depth and screen lengths of the monitor wells. Overall, the as-built monitor well total depths and screen depths were shallower than proposed, due to the varying depths of the confining unit which were identified during the monitor well pilot borings. The Surficial monitor well designs conformed to the FDEP permit by not breaching the confining unit during installation. Figures 4 and 5 show the proposed monitor well designs. MW-10a was originally located in Pond 1 and was abandoned and replaced by MW-10, which is now northwest of MW-10a and currently at the top slope of Pond 1. The only other variation to the GMP was the early installation of MW-11 in the southern portion of the site. This monitor well was installed to replace piezometer P-7, which was abandoned due to the

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Mr. John Morris, P.G.
September 29, 2003
Page 2

westward expansion of Pond 1. MW-11 is currently being monitored for groundwater elevations only and not for groundwater quality. The Department had previously verbally approved the GMP revisions.

Also included is the piezometer abandonment documentation, provided by Universal Engineering Sciences, Inc. (UES). A total of seven (7) piezometers (P-3, P-3A, P-3B, P-5, P-7, P-9, and P-13) were properly abandoned by UES on July 15, 17, and 30, 2003. Each piezometer was filled from bottom to top with neat cement grout. The piezometer abandonment details are summarized in Table 1. The UES Monitor Well Installation and Abandonment Report contains all the SWFWMD permits, boring logs, and monitor well and gas probe designs, and is included in Attachment C. Please note, only HAI boring logs were used during design of monitor wells and gas probes.

Six (6) gas probes (GP-9 through GP-14) were installed along the east and southern perimeter of the landfill cells on June 17, 2003 and finished with 2'x2' concrete pads and 6"x6" aluminum aboveground protectors at various times until July 14, 2003. Except for GP-9, which was installed to a total depth of 15 ft. below land surface (bls) with a 13 ft. screen, each gas probe was installed to a total depth of 20 ft. bls, with an 18 ft. screen. GP-9 was constructed to a shallower depth to ensure the screen does not intersect the surficial water table. Included, as Figure 6 is a diagram of the gas probe as-builts (except for GP-9).

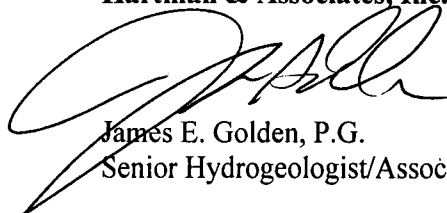
We hope that we have provided the adequate information required for the submittal of the monitoring well completion and piezometer abandonment reports for the subject site in Dade City, Florida. Please feel free to contact us if you require additional information or have any questions.

Very truly yours,

Hartman & Associates, Inc.



Miguel A. Garcia
Project Hydrogeologist



James E. Golden, P.G.
Senior Hydrogeologist/Associate



JEG/MAG/cr/99.0331.007/corresp/Morris.jeg

cc: Dominic Iafrate, Angelo's Recycled Materials, Inc., Warren, MI
Craig Bryan, Angelo's Aggregate Materials, Inc., Largo, FL



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On the internet at: WaterMatters.org

Tampa Service Office
7801 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-896-0797 (FL only)
SUNCOM 578-2070

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 584-1448 or
1-800-492-7862 (FL only)
SUNCOM 572-6200

Sarasota Service Office
6750 Fruitville Road
Sarasota, Florida 34240-9711
(941) 377-3722 or
1-800-320-3503 (FL only)
SUNCOM 534-6900

Lebanon Service Office
3600 West Sovereign Path
Suite 320
Lebanon, Florida 34461-8070
(952) 527-8131
SUNCOM 867-3271

- Thomas G. Debnay, II**
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- Watson L. Maynes, II**
Vice Chair, Pinellas
- Janet D. Kovach**
Secretary, Hillsborough
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- Holdi B. McCree**
Hillsborough
- T. G. "Jerry" Rhee**
Pasco
- Judith C. Whitehead**
Hernando

- David L. Moore**
Executive Director
- Gene A. Heath**
Assistant Executive Director
- William S. Blitnyk**
General Counsel

FAX FROM:

Technical Services Department

Phone: (352) 796-7211; SC 628-4150, Extensions 4341, 4346 or 4336

Fax: (352) 544-2328; SC 663-2328

Name: *E Eshom*

Extension: *4346*

Date/Time: *Sept. 8, 2003*

No. of Pgs.: *8*
(incl. cover pg.)

John
Susan
Ann

FAX TO:

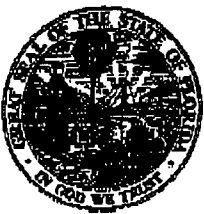
Organization: x *DEP*

Attention: x *K. Ford*

Fax Number: x *(813) 744-6125*

CONFIRMATION REQUESTED: YES [] NO []

Comments: *Angelo's Agg. Permit*



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

- Southwest
Northwest
St. Johns River
South Florida
Suwannee River

THIS FORM MUST BE FILLED OUT COMPLETELY. The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

Permit No. 688944.01
Florida Unique I.D.
Permit Stipulations Required (See attached) #3 #39
62-524 well
CUP/WUP Application No.

1. ANGELO'S AGGR, MAT'L 21400 SHERWOOD AVE WARDEN, MS 48091
2. ENTERPRISE RECYL FACILITY, ENTERPRISE RD, DADE CITY
3. W.M.G. TOOMEY 2171 License No. 352-544-1256 Telephone No.
Address P.O. BOX 15197
CITY BROOKSVILLE State Zip
5. Township 25 Range 29
6. PASCO County Subdivision Name Lot Block Unit SW SE

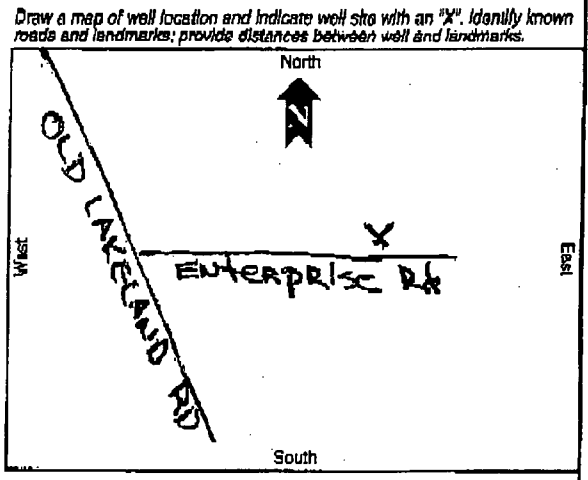
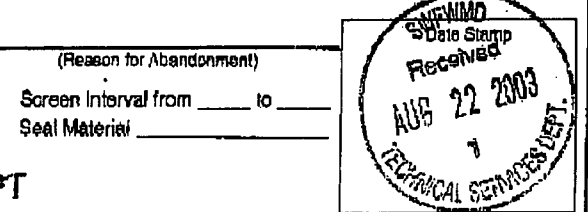
7. Number of proposed wells 1 Check the use of well: (See back of permit for additional choices) Domestic Monitor (type)
Irrigation (type) Public Water Supply (type) LUPS List Other
Distance from septic system ft. Description of facility Estimated start of construction date

8. Application for: New Construction Repair/Modify Abandonment
9. Estimated: Well Depth 300' Casing Depth 155' Screen Interval from to
Casing Material: Blk-Steel Gal/PVC Casing Diameter 54 Seal Material

10. If applicable: Proposed Grouting Interval From 0 to 155 Seal Material BEST CEMENT

11. Telescope Casing or Liner (check one) Diameter
Blk-Steel / Galvanized / PVC Other (specify:
12. Method of Construction: Rotary Cable Tool Combination Auger Other (specify:)

13. Indicate total No. of wells on site List number of unused wells on site
14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? No Yes
District well I.D. No.
Latitude Longitude
Data obtained from GPS or map or survey (map datum NAD 27 NAD 83)



15. I hereby certify that I will comply with the applicable rules of Title 46, Florida Administrative Code... I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes...
Signature of Contractor License No. 2171 Owner's or Agent's Signature Date 8/22/03

Approval Granted By: Eric Polson Issue Date: 9-3-03 Hydrologist Approval: EPE
Owner Number: 323551 Fee Received: \$ 130.00 Receipt No.: 06268A Check No.: 3603

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

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
BROOKSVILLE SERVICE OFFICE

STIPULATION # 3 - PUBLIC SUPPLY WELLS

"ANGLEO'S AGGREGATE MATERIALS" - PASCO COUNTY

- A. Compliance with state and local county health regulations as per Chapter 62-555, Florida Administrative Code (F.A.C.), is required via the Drinking Water System Permit.
- B. Compliance with Chapters 62-532 and 62-555, F.A.C., on construction standards and grouting procedures for Public Supply Wells shall be followed. Note: This is an existing well that is being converted.
- C. Well grouting operations shall be observed by a designated Southwest Florida Water Management District representative. Arrangements for an observer shall be made with the local Southwest Florida Water Management District Enforcement Department 24-hours in advance of grouting operations. Observers will be available for assignment during normal working hours (8:00 a.m. - 4:30 p.m.), Monday through Friday. Travel time must be taken into consideration. Exceptions may be made for extenuating circumstances. Contact the Enforcement Coordinator, Sandy Semegen, in our Brooksville office at (352) 796-7211, 24 hours prior to grouting.
- D. This well site has been judged as satisfactory based on the location and information provided to the Southwest Florida Water Management District at the time of the well site inspection. Any change in the location of the proposed well must be coordinated with Hydrologist Eric Eshom at (352) 796-7211, or 1-800-423-1476.
- E. All final clearances by the Southwest Florida Water Management District will be held until a completion report has been received from the water well contractor.
- F. The well casing must extend a minimum of 18" above final grade elevation.

Approved by: Eric Eshom

Permit # 688944.01

Date: September 3, 2003

See Attached NOTICE TO OWNER

NOTICE TO OWNER

Stipulation # 3 - Public Supply Wells

Please note that this well construction permit does not authorize the construction of the Drinking Water (treatment & distribution) System. The "System Permit" must be obtained from either the County Health Department or the Department of Environmental Protection, as designated in your letter of Classification.

1. Public Supply Wells must meet certain setback requirements from all potential sources of contamination. To obtain and retain your Drinking Water System Permit, please coordinate any future development of the surrounding property within 200' of your well site with the Pasco County Health Department.
2. All Public Supply Wells must have a concrete platform (6 ft. by 6 ft. minimum size) around the well head. Also, for wells located in level areas well tamped or puddled earth shall be placed around the well so as to elevate the concrete platform.
3. Southwest Florida Water Management District will not release the final construction clearance of this well until a Completion Report has been received from the water well contractor. The Drinking Water System Permit will not be issued without this clearance.
4. In the event the well is abandoned, a District abandonment permit shall be obtained prior to commencing with abandonment operations.
5. Once the cells become less than 500 feet from the wellhead, the water quality parameters outlined in Specific Condition No. 32.b. of Permit No. 177982-002-90 need to be sampled for from the public supply well and submitted to the Pasco County Health Department for review (see attached E-Mail).

Approved by: Eric Calton

Permit # 688944.01

Date: September 3, 2003

8/27

Morris, John R.

From: Morris, John R.
Sent: Wednesday, August 27, 2003 11:38 AM
To: Ford, Kim
Cc: Pelz, Susan
Subject: Enterprise Class III landfill - supply well reclassification

Kim:

The information requested by Eric Eshom (SWFWMD) regarding the routine ground water sampling parameters for Enterprise landfill is listed in Specific Condition No. 32.b. of permit No. 177982-002-50, as presented below:

32. **Groundwater 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 less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-522, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

b. Following completion of the initial sampling event, the wells listed in Specific Condition No. 30 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
- Chlorides
- Iron
- Mercury
- Nitrate
- Sodium
- Total dissolved solids
- Those parameters listed in 40 CFR Part 258, Appendix I

John R. Morris, P.G.
 Solid Waste Section, Southwest District Office
 Telephone: 813-744-6100, ext. 336 (suncom 512-1042, ext. 336)
 Facsimile: 813-744-6125
 E-mail: john.r.morris@dep.state.fl.us

STIPULATION NUMBER 39 - WELL AND DRILLHOLE ABANDONMENT

It will be the water well contractor's responsibility to have any incomplete well or drillhole attempted under this permit properly abandoned.

Any incomplete or abandoned well or drillhole as described in 40D-3, Florida Administrative Code (F.A.C.), shall be abandoned as follows:

- A. The well shall be examined from land surface to the original depth of construction for debris or obstructions (any debris or obstruction shall be removed prior to abandonment).
- B. The well shall be plugged from bottom to top by an approved method of grouting with either Portland neat cement grout or an approved Bentonite product as specified in 40D-3.517 2. (b), F.A.C.

It will be the owner's responsibility to have any well completed under this permit, or any existing well on this property, which meets the definition of an abandoned well as defined in Chapter 40D-3.021(1), F.A.C., properly abandoned in accordance with Chapter 40D-3.531, F.A.C.

It will be the owner's responsibility to have any inactive well which does not meet the above criteria and is no threat to the water resource properly capped in an air and water tight manner with a threaded, welded or bolted cover or valve. If the pump and well seal are water tight, the pump may be left in place. If practical, a protective cover two (2) feet in height shall be placed around the well casing.

- A. Wells with a diameter of six (6) inches or more without pumping equipment shall have the well casing extended a minimum of two (2) feet above land surface.
- B. Wells with a diameter of less than six (6) inches without pumping equipment shall be securely set in a concrete slab and have either the well casing extended a minimum height of two (2) feet above land surface or a protective cover centered over the well casing. The concrete slab shall be a minimum of four (4) inches in thickness by two (2) feet by two (2) feet square. The protective cover shall be set in the concrete slab and extend a minimum of two (2) feet above land surface.

In flood prone areas all wells shall extend a minimum of one (1) foot above the 100 year flood elevation, if practical, in accordance with Chapter 40D-3.521(4), F.A.C.

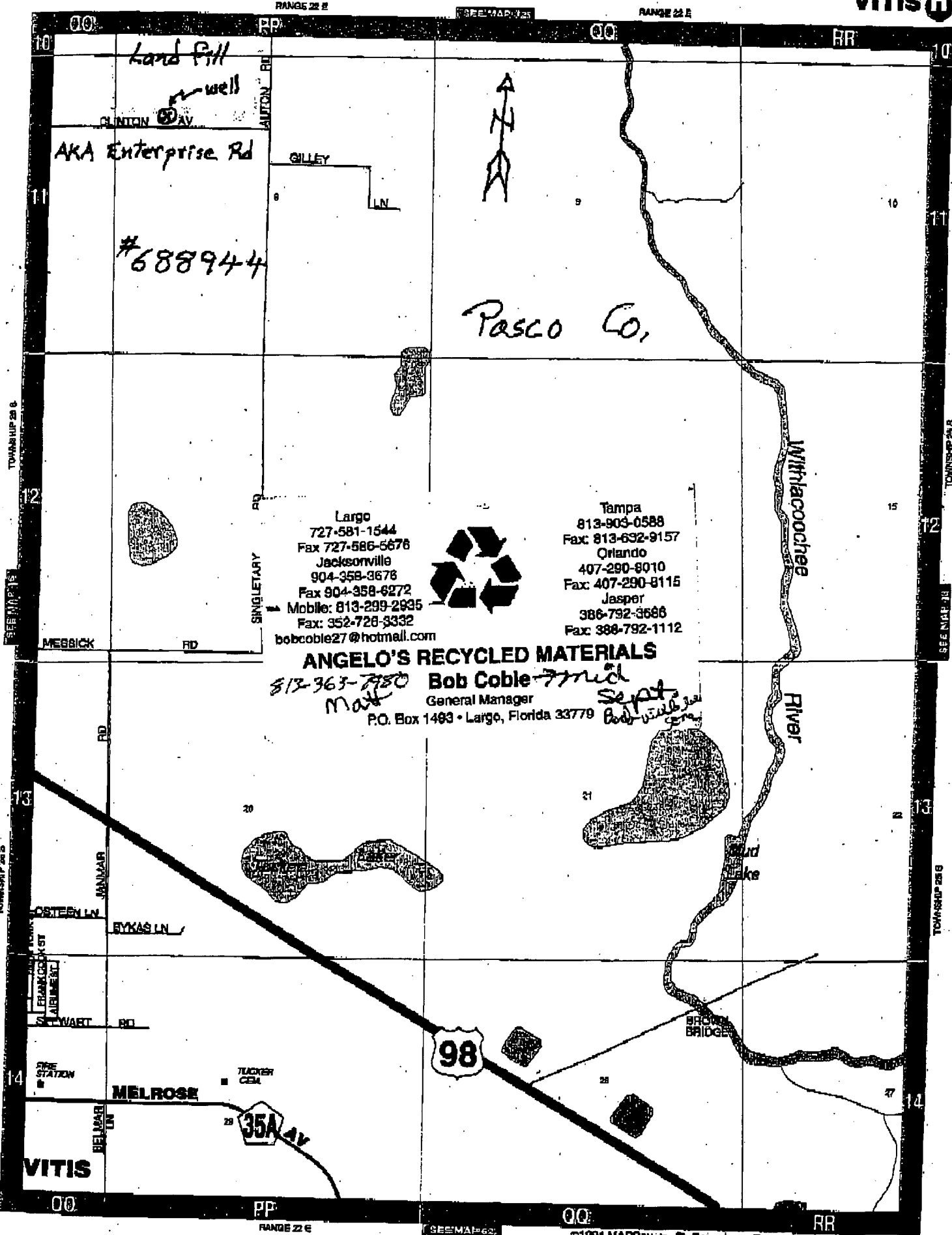
Any plugging operations shall be permitted separately from this permit by the Southwest Florida Water Management District and be witnessed by a designated District representative. Arrangement for a District representative shall be made with the local District Field Services office a minimum of twenty four (24) hours in advance of these operations. A District representative will be available for assignment during normal working hours (8:00 AM - 4:30 PM), Monday through Friday. Travel time must be taken into consideration. Exemptions may be made for extenuating circumstances. For scheduling, please contact the Field Service Coordinator, Sandy Semegen, in our Brooksville office at (352) 796-7211.

Approved by: Eric Ealom

Permit Number: 688944.01

Date: 9-3-03

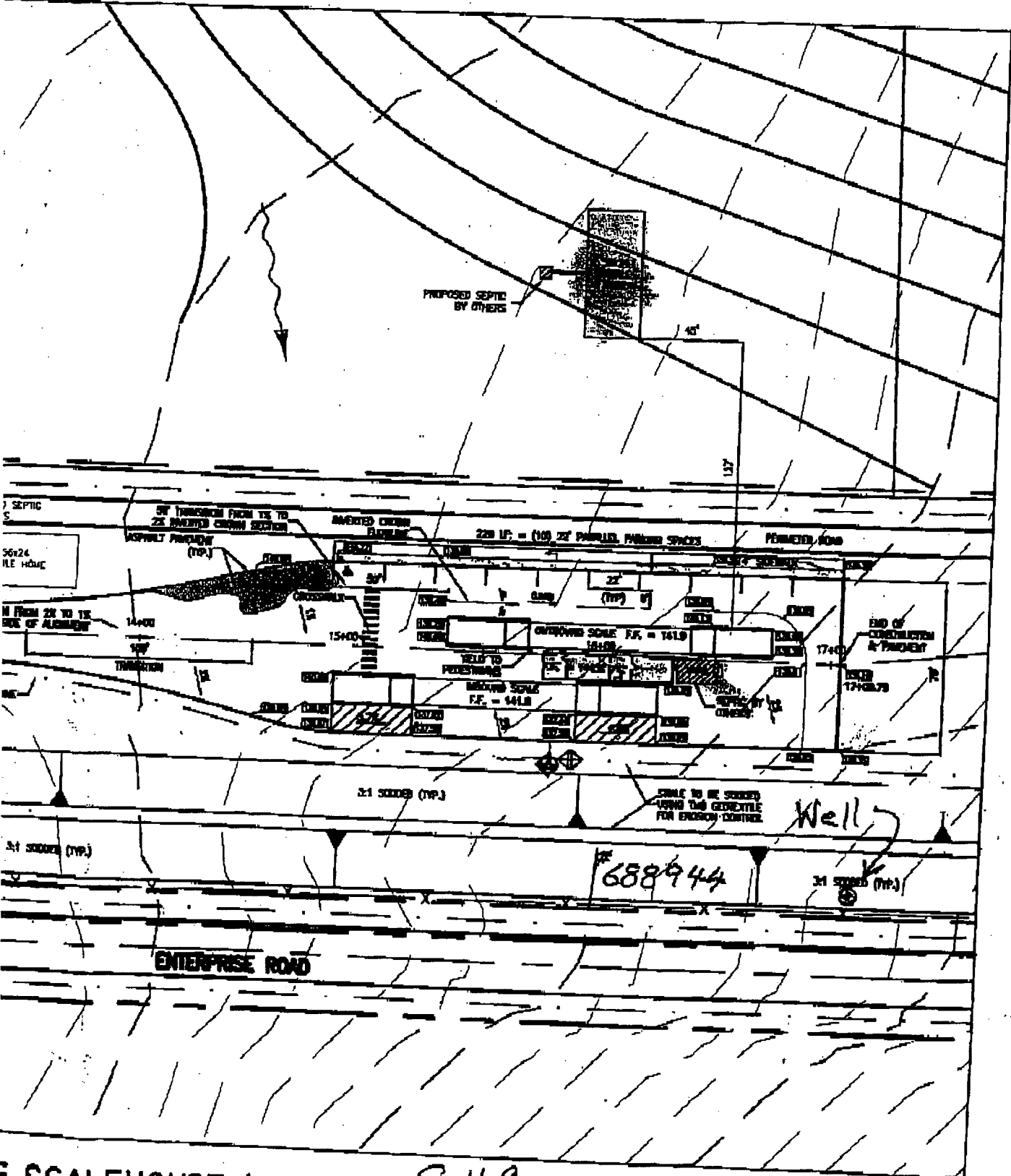
#39
(2/7/97)



Tampa
 813-903-0588
 Fax: 813-632-9157
 Orlando
 407-290-8010
 Fax: 407-290-8115
 Jasper
 386-792-3686
 Fax: 386-792-1112

ANGELO'S RECYCLED MATERIALS
 813-363-7950 **Bob Coble** *mid*
 General Manager *Sept*
 P.O. Box 1493 • Largo, Florida 33779 *Bob Coble*

51-SE-12500



SCALEHOUSE (1" = 60') Cell 9



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

August 5, 2003

RE: Enterprise Recycling & Disposal Class III Landfill
Located west of Auton Road, Dade City, Fl.
Financial Assurance Cost Estimates
Permit Nos.: 177982-001-SC and 177982-002-SO, Pasco County

Dear Mr. Iafrate:

The Department is in receipt of a letter dated July 18, 2003 (received July 21, 2003) prepared by Hartman & Associates, Inc., concerning the active life of the facility as it relates to the financial assurance cost estimates. This letter requests a "pay-in" period over the projected 7.2 years of active life of Sequences 1 and 2. However, the cost estimates dated July 8, 2003 only include costs for the closing and long-term care of Cell 1 (approximately 6.08 acres). Based on the calculations included in the July 18, 2003 letter, Cell 1 has an area of approximately 6.8 acres. If the entirety of Sequences 1 and 2 are to be considered when determining the design life of the facility, then revised cost estimates which include the costs of closing and long-term care for Cells 1 through 8 (Sequences 1 and 2) must be provided for review. If Sequences 1 and 2 are to be included, the revised cost estimates will be reviewed in their entirety.

Additionally, based on discussions with Solid Waste staff in Tallahassee, the Southwest District Solid Waste Section has re-evaluated the revised cost estimates dated July 8, 2003 (received July 9, 2003), for closing and long-term care of the Enterprise Recycling Class III Landfill. Unfortunately, after a second review, it is clear that the estimates submitted were approved in error. The estimates submitted are more representative of the closing costs for a C&D debris disposal facility rather than the closing costs for a Class III landfill. Therefore, the cost estimates dated July 8, 2003 are not approved. Additional information is needed to fully evaluate the estimates submitted.

General:

1. Please be advised that Rule 62-701.630(3), F.A.C. and 40 CFR Part 264.142 as adopted by reference in Rule 62-701.630(6), F.A.C., says the closure cost estimate must:
 - a. Equal the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan;
 - b. Be based on the cost to the owner or operator of hiring a third party to close the facility; and
 - c. Not incorporate any salvage value that may be realized from the sale of hazardous (solid) waste, facility structures or equipment, land, or other assets associated with the facility at the time of partial or final closure.

"More Protection, Less Process"

2. Please clarify the number of acres included. Please provide a reduced size (8 ½ x 11 or 11 x 17) plan sheet which shows the limits of all of the disposal areas and the acreage for each. All of the costs previously submitted will be re-evaluated based on the response to this item. Please clarify if only Cell 1, Phase 4 will be constructed during the first year.

Closing:

3. Slope & Fill. Please provide a quantity and cost for placement of a bedding layer. Since it is unreasonable to expect that all grades and slopes will be maintained exactly as required for closure on a daily basis, a quantity and cost for sloping, compacting and grading the waste must be included. Please specify if the quantities are for material "as-received" or "in-place." If the cost is not for "in-place" material, please account for compaction in the quantity. See also Comment #1.a., above.


4. Cover Material (Barrier Layer), \$1.15/CY. This cost seems low. Although a quote from Goodwin Brothers construction was provided, the source of the material and permeability of the material was not specified. The clay barrier layer must meet the requirements of Rule 62-701.600(5)(g), F.A.C. Please specify the compaction technique included in the Goodwin Brothers quote. Please be reminded that the compaction and other construction methods must meet the requirements of Rules 62-701.400(7) and (8), F.A.C.

5. Gas Control. Rule 62-701.400(10)(a), F.A.C., requires that landfills that receive biodegradable wastes shall have a gas monitoring and control system designed to prevent explosions and fires and to minimize off-site odors and damage to vegetation. Since Class III landfills receive biodegradable wastes, please include a cost for installation of a gas monitoring and control system. It appears that the cost submitted is for 1 passive vent. Please specify the depth of the passive gas vents.

6. Professional Services. Please provide a detailed estimate which includes development and implementation of the CQA plan required by Rules 62-701.400(7) and (8), F.A.C. Please provide a detailed estimate for the testing cost listed. Please provide information which indicates that the Goodwin Brothers have successfully constructed this type of landfill closure, and that the cost they provided includes all of the activities required by Rules 62-701.400(7) and (8), F.A.C.

The Department requests that two copies, signed and sealed by a registered professional engineer, be provided to the Department's Solid Waste Section, FDEP, Tampa office **within thirty (30) days** of the date of this letter. **In order to expedite the review, please forward all responses concerning financial assurance directly to the writer.** If you have any questions, you may contact me at (813) 744-6100 ext. 386.

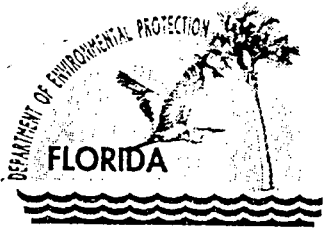
Sincerely,



Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp

cc: Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee
Chris McGuire, FDEP OGC
Kim Ford, P.E., FDEP Tampa



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

July 21, 2003

RE: Enterprise Recycling & Disposal Class III Landfill
Located west of Auton Road, Dade City, Fl.
Financial Assurance Cost Estimates
Permit Nos.: 177982-001-SC and 177982-002-SO, Pasco County

Dear Mr. Iafrate:

This letter is to acknowledge receipt of the revised cost estimates dated July 8, 2003 (received July 9, 2003), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received July 9, 2003 (total closing \$200,372.16 and \$46,937.26/year x 30 years = \$1,408,117.80 total long-term care), are **APPROVED for 2003**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. Due to recent revisions of Rule 62-701.630, F.A.C., the next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2004.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp
cc:

Jennifer Deal, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Kim Ford, P.E., FDEP Tampa

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

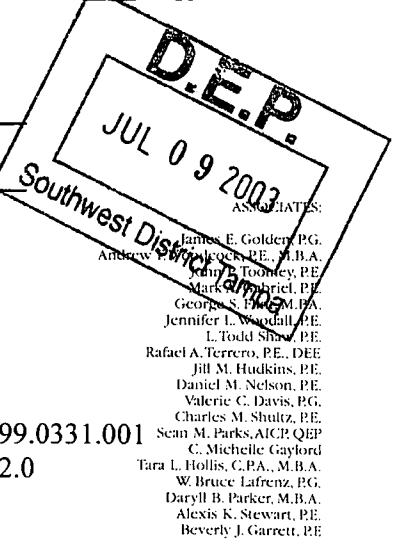
Gerald C. Hartman, P.E., DEE
Harold E. Schmidt, Jr., P.E., DEE
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., M.B.A.
William D. Musser, P.E., P.H.
Michael B. Bomar, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Troy E. Layton, P.E., DEE

July 8, 2003

HAI #99.0331.001
File 12.0



Via Facsimile and UPS Overnight

Ms. Susan Pelz, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Revised Closure and Long Term Care Cost Estimates
Enterprise Recycling and Disposal Facility
Pasco County, Florida
FDEP Permits 177982-001-SC, 177982-002-SO**

Dear Ms. Pelz:

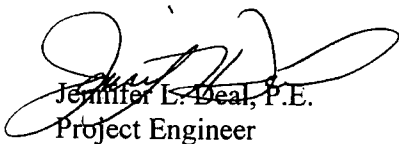
On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. is submitting for your review, a revised financial assurance cost estimate for the above facility. Attached are the FDEP Financial Assurance Cost Estimate Form, a list of assumptions and explanations, and third party quotes.

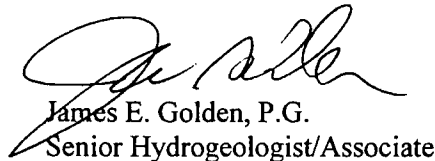
As you know, the subject site is currently under construction and plans to open in September, 2003; therefore, we would appreciate a review at your earliest convenience.

We trust that this submittal will satisfy the Department's financial assurance requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, P.E.
Project Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/JLD/cr/99.0331.001/corresp/
Pelz.jeg

cc: Dominic Iafrate, Angelo's
Craig Bryan, Angelo's
Kim Ford, P.E., FDEP

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

A TETRA TECH COMPANY

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN ATLANTA



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

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 07/08/03 Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Enterprise Recycling & Disposal Facility WACS or GMSID #: SWD-53-87895

Permit / Application No.: 177982-001-SC, 177982-002-SO Expiration Date: 10/05/06

Facility Address: Enterprise Road, west of Auton Road, Dade City, Pasco County

Permittee: Angelo's Aggregate Materials, Ltd.

Mailing Address: 1755 20th Avenue S.E., Largo, Florida 33771

Latitude: 28 19 53 Longitude: 82 08 06 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
1	6.08		1.83

Total Landfill Acreage included in this estimate. 6.08 Closure 6.08 Long-Term Care

Type of landfill: _____ Class I Class III _____ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

_____ Letter of Credit* _____ Insurance Certificate
 _____ Performance Bond* _____ Escrow Account
 _____ Guaranty Bond* _____ Trust Fund Agreement

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

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

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

 (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

This adjustment is based on the Department approved closure cost estimate dated: _____

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
_____	X	1.02	=	\$0.00

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	X	1.02	=	\$0.00
Number of Years of Long Term Care Remaining:			X	_____
Inflation Adjusted Long-Term Care Cost Estimate:			=	0.00

 (b) Recalculate Estimates (see section V)**IV. CERTIFICATION BY ENGINEER**

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Jennifer L. Deal
Signature of Engineer

7/8/03
Jennifer L. Deal, P.E.

Name & Title (please type)

58592

Florida Registration Number (affix seal) & Date

201 E. Pine St, Ste 1000, Orl, 32801

Mailing Address

(407) 839-3955

Telephone Number

Dominic Iafrate
Signature of Owner/Operator

Dominic Iafrate

Name & Title (please type)

(586) 756-1070

Telephone Number

The above referenced "Closure Cost Estimate" and/or "Annual Long-Term Care Cost Estimate" is/are an Engineer's opinion of probable costs for the facility, based upon a number of assumptions. These costs may vary due to specific decisions made by the contractor including cost and extent of labor, equipment and materials, and market conditions, and a variety of other conditions over which the engineer and Hartman & Associates, Inc. have no control.

V. RECALCULATE ESTIMATED CLOSING COST

For the time period in the landfill operation when the extent and manner of its operation makes closing **most expensive**.

**** Third Party Estimate / Quote must be provided for each item**

**** Costs must be for a third party providing all material and labor**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells (Do not include wells already in existence.)				
	EA			\$0.00
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY			\$0.00
Placement and Spreading	CY			\$0.00
Compaction	CY			\$0.00
Off-Site Material	CY			\$0.00
Delivery	CY			\$0.00
Subtotal Slope and Fill:				\$0.00
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY	19,128	\$1.15	\$21,997.20
Synthetics - 40 mil	SY			\$0.00
Synthetics - GCL	SY			\$0.00
Synthetics - Geonet	SY			\$0.00
Synthetics - Other	SY			\$0.00
Subtotal Barrier Layer Cover:				\$21,997.20
4. Top Soil Cover:				
Off-Site Material	CY	19,128	\$1.50	\$28,692.00
Delivery	CY			\$0.00
Spread	CY			\$0.00
Subtotal Top Soil Cover:				\$28,692.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer				
Sodding	SY	3,000	\$1.25	\$3,750.00
Hydroseeding	AC	6	\$2,245.55	\$13,652.94
Fertilizer	AC			\$0.00
Mulch	AC			\$0.00
Other Water truck + Labor	SY MON	2	\$4,620.00	\$9,240.00
Subtotal Vegetative Layer:				<u>\$26,642.94</u>
6. Stormwater Control System: (Pond 2)				
Earthwork	CY	7,905	\$1.60	\$12,648.00
Grading	SY			\$0.00
Piping Drainage conveyance	LF	90	\$26.50	\$2,385.00
Ditches	LF	1,950	\$5.30	\$10,335.00
Berms	LF			\$0.00
Control Structures	EA			\$0.00
Other	LS			\$0.00
Subtotal Stormwater Controls:				<u>\$25,368.00</u>
7. Gas Controls: Passive				
Wells	EA	1	\$700.00	\$700.00
Pipe and Fittings	LF			\$0.00
Monitoring Probes	EA			\$0.00
NSPS/Title V requirements	LS			\$0.00
Subtotal Passive Gas Control:				<u>\$700.00</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8. Gas Control: Active Extraction				
Traps	EA			\$0.00
Sump	EA			\$0.00
Flare Assembly	EA			\$0.00
Flame Arrestor	EA			\$0.00
Mist Eliminator	EA			\$0.00
Flow Meter	EA			\$0.00
Blowers	EA			\$0.00
Collection System	LF			\$0.00
Other (describe)				\$0.00
Subtotal Active Gas Extraction:				\$0.00
9. Security System:				
Fencing	LF			\$0.00
Gate(s)	EA			\$0.00
Sign(s)	EA			\$0.00
Subtotal Security System:				\$0.00
10. Engineering:				
Closure Plan report	LS			\$7,500.00
Certified Engineer	LS			\$11,250.00
NSPS/Title V Air Permit	LS			
Final Survey + 3 Benchmarks	LS			\$940.00
Certification of Closure + Closure Permit	LS			\$13,875.00
Other (detail) CQA Plan				\$1,875.00
Subtotal Engineering:				\$35,440.00

VI. ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

_____ 5 Years _____ 20 Years 30 Years _____ Other

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

**** Third Party Estimate / Quote must be provided for each item**
**** Costs must be for a third party providing all material and labor**

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A)

Description	Sampling Frequency (events/yr.)	Number of Wells	\$ / Well / Event	\$ / Year
1. Groundwater Monitoring (62-701.510(6), and (8)(a))				
Monthly	12	_____	_____	\$0.00
Quarterly	4	_____	_____	\$0.00
Semi-Annual	2	10	\$950.00	\$19,000.00
Annual	1	_____	_____	\$0.00
Subtotal Groundwater Monitoring:				\$19,000.00
2. Surface Water Monitoring (62-701.510(4), and (8)(b))				
Monthly	12	_____	_____	\$0.00
Quarterly	4	_____	_____	\$0.00
Semi-Annual	2	_____	_____	\$0.00
Annual	1	_____	_____	\$0.00
Subtotal Surface Water Monitoring:				\$0.00
3. Gas Monitoring				
Monthly	12	_____	_____	\$0.00
Quarterly	4	6	\$50.00	\$1,200.00
Semi-Annual	2	_____	_____	\$0.00
Annual	1	_____	_____	\$0.00
Subtotal Gas Monitoring:				\$1,200.00

Description	Sampling Frequency (events/yr.)	Number of Locations	\$/Location/Event	\$ / Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c))				
Monthly	12	_____	_____	\$0.00
Quarterly	4	_____	_____	\$0.00
Semi-Annual	2	_____	_____	\$0.00
Annual	1	_____	_____	\$0.00
Other	_____	_____	_____	\$0.00
Subtotal Leachate Monitoring:				\$0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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5. Leachate Collection/Treatment Systems Maintenance

Maintenance

Collection Pipes	LF	_____	_____	\$0.00
Sumps, Traps	EA	_____	_____	\$0.00
Lift Stations	EA	_____	_____	\$0.00
Cleaning	LS	_____	_____	\$0.00
Tanks	EA	_____	_____	\$0.00

Impoundments

Liner Repair	SY	_____	_____	\$0.00
Sludge Removal	CY	_____	_____	\$0.00

Aeration Systems

Floating Aerators	EA	_____	_____	\$0.00
Spray Aerators	EA	_____	_____	\$0.00

Disposal

Off-site (Include Transportation and Disposal)	1000 gallon	_____	_____	\$0.00
				\$0.00

6. Leachate Collection/Treatment Systems Operation

Operation		Hours	\$/Hour	Total
P.E. Supervisor	HR			\$0.00
On-Site Engineer	HR			\$0.00
Office Engineer	HR			\$0.00
OnSite Technician	HR			\$0.00
Materials	LS			
Subtotal Leachate Collection/Treatment System Maintenance & Operation:				\$0.00

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF EA	5	\$100.00	\$500.00
Replacement	EA			\$0.00
Abandonment	EA			\$0.00
Subtotal Groundwater Monitoring Well Maintenance:				\$500.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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8. Gas System Maintenance

Piping, Vents	LF	1	\$200.00	\$200.00
Blowers Probe	EA	1	\$100.00	\$100.00
Flaring Units	EA			\$0.00
Meters, Valves	EA			\$0.00
Compressors	EA			\$0.00
Flame Arrestors	EA			\$0.00
Operation	LS			
SubTotal Gas System:				\$300.00

9. Landscape

Mowing (4/year)	AC	6	\$180.00	\$1,094.40
Fertilizer	AC	6	\$50.00	\$304.00
Subtotal Landscape Maintenance:				\$1,398.40

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Maintenance				
Sodding	SY	1,475	\$1.25	\$1,843.75
Regrading	AC	1	\$1,550.00	\$775.00
Liner Repair	SY			\$0.00
Clay	CY	1,243	\$1.15	\$1,429.45
Subtotal Erosion Control and Cover Maintenance:				\$4,048.20
11. Storm Water Management System Maintenance				
Conveyance Maintenance	LS			\$4,000.00
Subtotal Storm Water System Maintenance:				\$4,000.00
12. Security System Maintenance				
Fences	LF	380	\$7.00	\$2,660.00
Gate(s)	EA	1	\$600.00	\$300.00
Sign(s)	EA	1	\$200.00	\$200.00
Subtotal Security System:				\$3,160.00
13. Utilities	LS			\$500.00
14. Administrative				
		Hours	\$/Hour	Total
P.E. Supervisor	HR	12	\$106.00	\$1,272.00
On-Site Engineer	HR	12	\$69.00	\$828.00
Office Engineer	HR	60	\$69.00	\$4,140.00
OnSite Technician	HR	20	\$48.00	\$960.00
Other (explain)				\$0.00
Subtotal Administrative:				\$7,200.00
15. Contingency	% of Total			10%
	\$41,306.60	Subtotal Contingency:		\$4,130.66

16. Site Specific Costs (explain)

UNIT COST

Biennial Groundwater Report (1 per 2 years)	LS	\$1,500.00
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	LS	
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	LS	
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ANNUAL LONG-TERM CARE COST (\$/Year):	\$46,937.26
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NUMBER OF YEARS OF LONG-TERM CARE	30.00
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TOTAL LONG-TERM CARE COST (\$)	\$1,408,117.80
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**ANGELO'S AGGREGATE MATERIALS, LTD.
ENTERPRISE RECYCLING & DISPOSAL FACILITY
OPINION OF PROBABLE COSTS
ASSUMPTIONS AND EXPLANATIONS**

1. Fence, locking gate, signs, gas probes, and monitor wells will be in place prior to operation of the facility. Assumes intermediate cover would be in place at the time of closure.
2. Costs for groundwater sampling, analysis, and reporting, and for gas monitoring and reporting are based on previous sampling events performed by Hartman & Associates, Inc.
3. No active gas extraction system is proposed in the landfill design. Cost for installation of the passive gas vent in Cell 1 was based on an estimate calculated by the Orange County Environmental Protection Division for the purpose of determining financial assurance obligations.
4. Cost for security system maintenance was based on an estimate calculated by the Orange County Environmental Protection Division for the purpose of determining financial assurance obligations.
5. Facility has been approved for the liner and leachate collection system exemption and therefore, no leachate monitoring or system maintenance is included in the cost estimate.
6. Costs for quality assurance plan development, quality assurance testing, closure certification, and monitor well maintenance are based on costs provided from James E. Golden, P.G., Hartman & Associates, Inc. to perform these tasks.
7. Costs for closure report/permit services, and professional and administrative services are based on costs provided by Hartman & Associates, Inc. to perform these tasks.
8. Cost estimates for mowing and water truck rental were obtained from similar estimates received for a Class III landfill. Estimate for water truck labor is based on one employee, three days per week, at a rate of \$20 per hour, based on a similar estimate received for a Class III landfill.
9. No synthetic materials are proposed in the current closure design. Final cover soil quantities are based on an area of 6.08 acres, with one-foot of in-place intermediate cover soil beneath the cap, 18 inches of barrier soil and 18 inches of top soil. The quantities stated include an extra 30% to account for compaction. Third party costs for barrier material and associated labor, top soil, mobilization, sodding, hydroseeding, and grading are attached. Assumes the cost provided for top soil also includes associated labor. Assumes the cost provided for hydroseeding includes fertilizing and mulching.
10. Closure construction is expected to require four weeks for completion. This assumes that all quality assurance test results are acceptable and no re-work is required.
11. Assumes that only maintenance of monitor wells, gas vent, and gas probes will be necessary.
12. Assumes established vegetation is drought resistant and does not require regular irrigation after the first two months.
13. Third party cost for final survey of Cell 1 and survey monuments is attached.
14. Assumes gas remediation and groundwater remediation will not be required.

Goodwin Brothers Construction, Inc.

P.O. Box 1689
Brooksville, FL 34605-1689



(352) 796-0149
Fax Number (352) 544-1084

July 1, 2003

Angelo's Aggregate Materials, Ltd.
26400 Sherwood
Warren, MI 48091
RE: Improvements to Enterprise Rd.
Attn: Dominic Iafrate

Mr. Iafrate:

Per Craig Bryan's request below are the additional prices for Enterprise Rd:

Mobilization	\$ 1,800.00
26,862 sy of sod @ \$1.25 sy	\$33,577.50
Regrading six acres @ \$1550.00 per acre	\$ 9,300.00
17,461 cy of clay material @ \$1.15 cy (from offsite)	\$20,080.15
* Includes delivery, placement and compaction	
Hydroseeding @ \$ 2245.55 an acre	
Top soil material @ \$ 1.50 cy	
Estimated time to complete work 3 - 4 weeks.	

Please call me at 352-279-7053 if you have any questions.

Thank you,

Daniel Goodwin, Jr.



July 7, 2003

Miguel Garcia
Hartman & Associates, Inc.
201 E. Pine St. Suite 1000
Orlando, Florida 32801

Re: Proposal for Professional Land Surveying Services @ Enterprise Recycling & Disposal Facility
Final Topographic Survey and set 3 on-site bench marks for the areas within Cell 1.

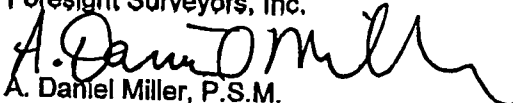
Dear Mr. Garcia:

Foresight Surveyors, Inc. is pleased to submit this proposal for the following professional land surveying services required on the above-referenced project.

Foresight Surveyors will do a final Topographic Survey (certified) on the above referenced project and set 3 on-site bench marks for a lump sum fee of \$940.00.

All work will be performed in accordance with the minimum technical standards of Chapter 61G17-6 of the Florida Administrative code, pursuant to Section 472.027 Florida Statutes.

Sincerely,
Foresight Surveyors, Inc.


A. Daniel Miller, P.S.M.
Project Manager

To accept this proposal, please sign where indicated below and return a copy of this document as your acceptance of this agreement and our authorization to proceed. If you have any questions please do not hesitate to contact me at (352) 797-6306.

Accepted by:

_____ Date: _____

Think Ahead. Begin with the end in mind.

PINELLAS - 14561-B 58th Street North - Clearwater, FL 33760 - 727.539.7196 - Fax 727.539.0888 - Toll Free 1.877.367.7878

HERNANDO - 773 Providence Blvd - Brooksville, FL 34601 - 352.797.6306 - Fax 352.797.6308 - Toll Free 1.877.797.6306

www.fsisurvey.com

Ford, Kim

From: Morris, John R.
Sent: Friday, May 30, 2003 2:14 PM
To: Ford, Kim
Cc: Pelz, Susan
Subject: Enterprise Class III -- limestone excavated in Cell 1

I had a telephone conversation with Miguel Garcia, Hartman & Associates, 407-839-3955, ext. 174, regarding the occurrence of limestone within Cell 1 during excavation activities. He visited the site on 5/29/03 to observe the excavation area and provided the following details:

- two areas within Cell 1 encountered limestone sediments, one area about 10x15 feet and the second area about 15x20 feet
- excavation has been stopped in areas where the limestone was encountered
- excavation continues in other portions of Cell 1
- he estimated that the planned bottom elevation was 10 feet below where the limestone was encountered
- surveyors were scheduled to be at the site either Friday or Monday to locate these areas within Cell 1 and to establish elevation data for both areas
- Jim Golden is on vacation this week and will not be informed about encountering limestone in Cell 1 until Monday morning; Miguel anticipates being on-site to complete monitor well installation activities on Monday, so he will be in touch with Jim Golden via telephone to discuss the matter

I asked Miguel if the topography of the areas where the limestone sediments were exposed would be likely to pond water in the event of a significant rainfall. He indicated that areas where the limestone was encountered was sloped, so there would not be much of an opportunity for water to pond and infiltrate at the two areas. He did not feel it was necessary to build berms or use tarps to keep any standing water away from the exposed limestone areas. I indicated it would be prudent to take necessary actions to minimize the opportunity for water to pond/infiltrate at the areas where the limestone sediments were exposed.

He anticipated that the written notification required by Specific Condition No. 5 of permit No. 177982-001-SC would be provided to the Department by Tuesday (June 3, 2003), but that schedule may need to be revised depending on the surveyor's availability.

John R. Morris, P.G.
Solid Waste Section, Southwest District Office
Telephone: 813-744-6100, ext. 336 (suncom 512-1042, ext. 336)
Facsimile: 813-744-6125
E-mail: john.r.morris@dep.state.fl.us

WASTE MGT TAMPA SWD

::8137446125

**** Transmit Conf. Report ****

P.1

May 5 2003 9:27

Telephone Number	Mode	Start	Time	Pages	Result	Note
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	3804 Coconut Palm Drive Tampa, FL 33619-8318
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FAX

Date: 5-2-2003
Number of pages including cover sheet: 9

To: Chad Jetrow

Phone: 850-245-8740
Fax phone: 850-245-8811
CC: _____

From: Kim Ford

Phone: (813) 744-6100
Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

Permits:

Angelo's Aggregate Material

Aka Enterprise Recycling and Spool

177922-001-SC

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 Coconut Palm Drive Tampa, FL 33619-8318

FAX

Date: 5-2-2003
Number of pages including cover sheet: 9

To: Chad Jetrow
Phone: 850-245-8740
Fax phone: 850-245-8811
CC:

From: Kim Ford
Phone: (813) 744-6100
Fax phone: (813) 744-6125

REMARKS: [] Urgent [] For your review [] Reply ASAP [] Please comment

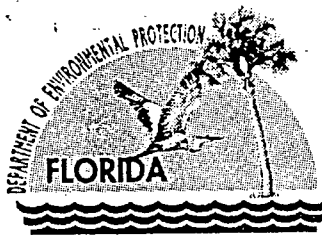
Permits:

Angelos Aggregate Material

Aka Enterprise Recycling and disposal

177982-001-SC

177982-002-SD



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT TRANSFER

January 25, 2002

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Avenue SE
Largo, FL 33771

**Re: Transfer of Permit #177982-004 for Permit #177982-002-SO
Enterprise Class III Landfill, Pasco County**

Dear Mr. Iafrate:

Enclosed is a Permit Transfer #177982-004 of Permit Number **177982-002-SO**, issued pursuant to Section(s) 403.087(1), Florida Statutes, in response to your request for transfer of permit received December 7, 2001. Please find attached a copy of the referenced permit which is hereby transferred pursuant to 62-4.120, F.A.C., as follows:

PERMITTEE:

FROM:

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

TO:

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue S.E.
Largo, FL 33771

The new permittee shall comply with the conditions of the existing permit, and all appropriate information submitted in support of the existing permit. Please be advised that this permit expires on October 5, 2006.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

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Printed on recycled paper.

constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition 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 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 which 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 the 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 permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition and to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt 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 under Section 120.573 of the Florida Statutes is not available for this proceeding.

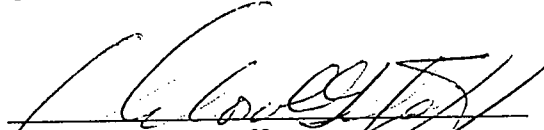
This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in

which to file a petition is filed within the time specified for filing a petition. Upon timely filing a petition or a request for an extension of time this 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 Boulevard, M.S. 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kbfb

Attachments

cc: *fb* Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

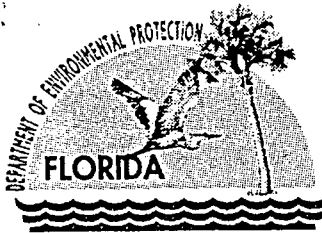
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on Jan. 25, 02 to the listed persons.

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

Anna Blal
Clerk

01-25-02
Date



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue SE
Largo, FL 33771

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: 177982-002-SO
Date of Issue: 10-05-2001
Expiration Date: 10-05-2006
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

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:

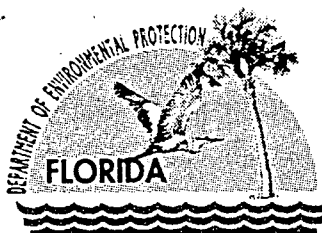
1. Class III Landfill

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.

"More Protection, Less Process"



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT TRANSFER

January 25, 2002

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Avenue SE
Largo, FL 33771

**Re: Transfer of Permit #177982-003 for Permit #177982-001-SC
Enterprise Class III Landfill, Pasco County**

Dear Mr. Iafrate:

Enclosed is a Permit Transfer #177982-003 of Permit Number 177982-001-SC, issued pursuant to Section(s) 403.087(1), Florida Statutes, in response to your request for transfer of permit received December 7, 2001. Please find attached a copy of the referenced permit which is hereby transferred pursuant to 62-4.120, F.A.C., as follows:

PERMITTEE:

FROM:

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

TO:

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue S.E.
Largo, FL 33771

The new permittee shall comply with the conditions of the existing permit, and all appropriate information submitted in support of the existing permit. Please be advised that this permit expires on October 5, 2006.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000; within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

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constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition 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 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 which 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 the 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 permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition and to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt 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 under Section 120.573 of the Florida Statutes is not available for this proceeding.

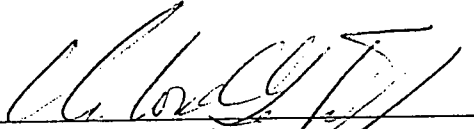
This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in

which to file a petition is filed within the time specified for filing a petition. Upon timely filing a petition or a request for an extension of time this 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 Boulevard, M.S. 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kfbf
Attachments

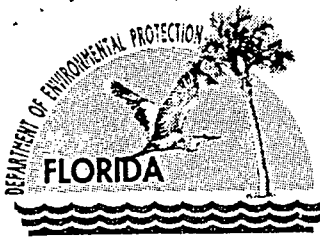
cc: *fl* Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on Jan 25, 02 to the listed persons.

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

Anna Blach 01-25-2002
Clerk Date



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue SE
Largo, FL 33771

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: 177982-001-SC
Date of Issue: 10-05-2001
Expiration Date: 10-05-2006
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

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"

Ford, Kim

From: Ford, Kim
Sent: Friday, May 02, 2003 10:25 AM
To: Pelz, Susan
Cc: Morgan, Steve
Subject: RE: Enterprise Recycling & Disposal

Both the Enterprise SC and SO permits were transferred to Angelo's on January 25, 2002.

-----Original Message-----

From: Pelz, Susan
Sent: Thursday, May 01, 2003 12:47 PM
To: Ford, Kim
Cc: Morgan, Steve
Subject: FW: Enterprise Recycling & Disposal

Did they transfer ownership? They need to either transfer ownership or change the name so it matches financial.

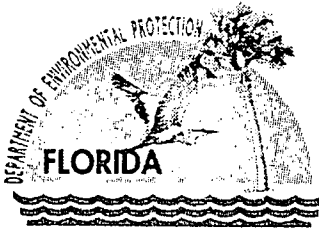
-----Original Message-----

From: Fetrow, Chad
Sent: Thursday, May 01, 2003 11:21 AM
To: Pelz, Susan
Cc: Wick, Fred
Subject: Enterprise Recycling & Disposal

Susan,

I received updated approved cost estimates for the Enterprise Recycling & Disposal Class III LF and I noticed that the operator/owner is listed as Angelo's Aggregate Materials, while the permit I have, issued 10/5/01, has the permittee as Sid Larkin & Son, Inc. Can I get a copy of the documentation which transferred this permit to Angelo's Aggregate Materials? I'm assuming that they want to operate soon b/c I got a call today from them in reference to financial. Thanks.

Chad Fetrow
Environmental Specialist II
Florida Department of Environmental Protection
(850) 245-8740
chad.fetrow@dep.state.fl.us



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Angelo Iafrate, Vice President
Angelo's Aggregate Materials
1755 20th Avenue S.E.
Largo, Fl. 33771

April 14, 2003

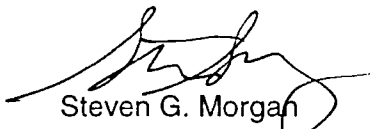
RE: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Permit Nos.: 177982-001-SC & 177982-002-SO, Pasco County

Dear Mr. Iafrate:

This letter is to acknowledge receipt of the inflation-adjusted cost estimates dated March 5, 2003 (received March 6, 2003), prepared by Hartman & Associates, Inc. for closure and long-term care of the Enterprise Recycling & Disposal Class III Landfill. The inflation-adjusted cost estimates received March 6, 2003 (total for closing \$600,794.59 and long-term care \$98,856.73/year x 30 years= \$2,965,701.82), are **APPROVED for 2003**. The approved estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. The next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2004.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 385.

Sincerely,



Steven G. Morgan
Solid Waste Section
Southwest District

sgm

cc: Jennifer L. Deal, P.E., Hartman & Associates, Inc., 201 East Pine Street, Suite 1000, Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Kim Ford, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

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HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

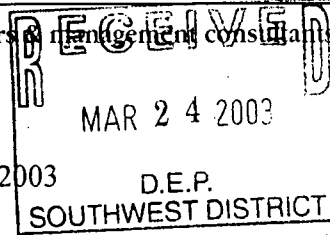
Gerald C. Hartman, P.E., D.E.F.
Harold E. Schmidt, Jr., P.E., D.E.F.
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., M.B.A.
Michael B. Bomar, P.E.
William D. Musser, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.

ASSOCIATES:

Douglas P. Duffresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E., M.B.A.
Grant C. Malchow, M.B.A.
John P. Toomey, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.P.A.
Jennifer L. Woodhill, P.E.
L. Todd Shaw, P.E.
Rafael A. Ferrero, P.E., D.E.F.
Jill A. Hudkins, P.E.
Daniel M. Nelson, P.E.
Valerie C. Davis, P.G.
Brian S. Fields, P.E.



March 20, 2003

D.E.P.

SOUTHWEST DISTRICT

HAI #99.0331.001

Via Facsimile and U.S. Mail

John

Mr. Kim Ford, P.E.
FDEP Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Monitor Well/Gas Probe Installation
Enterprise Recycling & Disposal Facility, Class III Landfill
Dade City, Florida
Permit No. 177982-002-SO
Permit No. 177982-002-SC**

Dear Mr. Ford:

On behalf of Angelo's Aggregate Materials, Ltd., Hartman & Associates, Inc. is providing notice of piezometer abandonment, standard penetration test (SPT) boring collections, and monitor well and gas probe installations in accordance with permit Nos. 177982-002-SO and 177982-002-SC at the subject site. A total of six (6) piezometers will be abandoned, seven (7) SPT borings will be collected, while eight (8) groundwater monitoring wells and six (6) gas probes have been designated for installation pursuant to the current permit. The days planned for work in accordance with the permits are April 4 - April 23, 2003. Groundwater sampling will be initiated upon installation and development of all monitor wells.

Please call me if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Miguel A. Garcia
Project Hydrogeologist

cc: John Morris, FDEP

MAG/jes/99-331.01/corresp/MW GP install

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

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

TELEPHONE (407) 839-3955

HYDROGEOLOGY FAX - (407) 839-2066

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

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

John
Susan

FACSIMILE TRANSMITTAL

TO: Kim Ford, P.E. FROM: Miguel Garcia
FDEP
FAX: (813) 744-6125 DATE: March 20, 2003
RE: MW/Gas Probe Installation PROJECT: HAI #
Enterprise Recycling & Disposal Facility, Class III Landfill, Dade City, FL

We are sending you 2 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
- Will be sent via overnight mail
- Will be sent via facsimile only
- Will be sent via hand delivery

MESSAGE: _____

**IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION
PLEASE CALL (407) 839-3955 x168**

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

Gerald C. Hartman, P.E., DBE
Harold E. Schmidt, Jr., P.E., DBE
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., M.B.A.
Michael D. Tomar, P.E.
William D. Mussey, P.E.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

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Roderick K. Cashe, P.E.

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Andrew T. Woodcock, P.E., M.B.A.
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Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.
Rafael A. Toranzo, P.E., DBE
Jill A. Hudson, P.E.
Daniel M. Nelson, P.E.
Villette C. Davis, P.G.
Brian S. Fields, P.E.

March 20, 2003

HAI #99.0331.001

Via Facsimile and U.S. Mail

Mr. Kim Ford, P.E.
FDEP Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Monitor Well/Gas Probe Installation
Enterprise Recycling & Disposal Facility, Class III Landfill
Dade City, Florida
Permit No. 177982-002-SO
Permit No. 177982-002-SC**

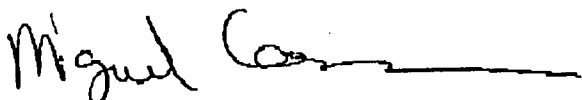
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Please call me if you have any questions.

Very truly yours,

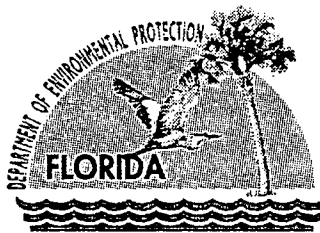
Hartman & Associates, Inc.



Miguel A. Garcia
Project Hydrogeologist

cc: John Morris, FDEP

MAG/jcs/99-331.01/corresp/MW GP install



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Ave. S.E.
Largo, Fl. 33771

March 21, 2002

RE: Enterprise Recycling & Disposal Class III Landfill
Located west of Auton Road, Dade City, Fl.
Financial Assurance Cost Estimates
Permit Nos.: 177982-001-SC and 177982-002-SO, Pasco County

Dear Mr. Iafrate:

This letter is to acknowledge receipt of the inflation-adjusted cost estimates dated February 26, 2002 (received February 28, 2002), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received February 28, 2002 (total closing \$589,014.30 and \$96,918.36/year x 30 years = \$2,907,550.80 total long-term care), are **APPROVED for 2002**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. Due to recent revisions of Rule 62-701.630, F.A.C., the next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2003.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp
cc:

James E. Golden, P.G., Hartman & Associates, 201 E. Pine St., Ste. 1000, Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa

Department of
Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

David B. Struhs
Secretary

tion

2002

INFORMATION REQUEST

TO: Jennifer Deal
HARTMAN & ASSOC.
201 EAST PINE STREET
SUITE 1000
Orlando FL 32801

002-SO

We are pleased to send the enclosed information you requested.

If we can be of further service, please contact:

Kim B. Ford, P.E.
Solid Waste Section
Waste Management Division
3804 Coconut Palm Drive
Tampa, FL 33619-8310
(813) 744-6100, ext. 382

177982-002-SO, issued pursuant
or transfer of permit received
it which is hereby transferred

gate Materials, Ltd.
Iafrate
e S.E.
1

COMMENTS:

COPIES OF TRANSFERS
fn
3/21

sting permit, and all appropriate
vised that this permit expires on

atment's proposed agency action
s 120.569 and 120.57 of the

Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

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**** Transmit Conf. Report ****

P.1

Mar 21 2002 7:39

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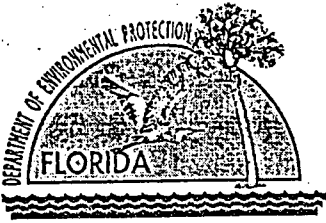


**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318**

FAX

Date: 3/21/02
Number of pages including cover sheet: 7

TO: <u>JENNIFER DEAL</u>	FROM: <u>Kenn Ford</u>
<u>HARTMAN</u>	
PHONE: <u>407 8393955</u>	PHONE: (813) 744-6100, x <u>362</u>
FAX #: <u>407 8392066</u>	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>COVER LETTERS FOR TRANSFERS</u>	
<u>FOR ENTERPRISE</u>	

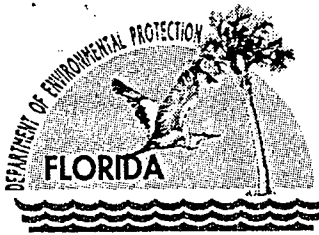


**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318**

FAX

Date: 3/21/02
Number of pages including cover sheet: 7

TO: <u>JENNIFER DEAN</u>	FROM: <u>Kim Foris</u>
<u>Hartman</u>	
PHONE: <u>407 8393955</u>	PHONE: <u>(813) 744-6100, x 382</u>
FAX #: <u>407 8392066</u>	FAX #: <u>(813) 744-6125</u>
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>COVER LETTERS FOR TRANSFERS</u> <u>FOR ENTERPRISE</u>	



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT TRANSFER

January 25, 2002

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Avenue SE
Largo, FL 33771

**Re: Transfer of Permit #177982-003 for Permit #177982-001-SC
Enterprise Class III Landfill, Pasco County**

Dear Mr. Iafrate:

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PERMITTEE:

FROM:

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

TO:

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue S.E.
Largo, FL 33771

The new permittee shall comply with the conditions of the existing permit, and all appropriate information submitted in support of the existing permit. Please be advised that this permit expires on October 5, 2006.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

"More Protection, Less Process"

Printed on recycled paper.

constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

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- (e) A statement of the facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
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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 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. Upon timely filing a petition or a request for an extension of time this 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 Boulevard, M.S. 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kbfb

Attachments

cc: *fb* Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on Jan 25, 02 to the listed persons.

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


Clerk
01-25-2002
Date



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT TRANSFER

January 25, 2002

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Avenue SE
Largo, FL 33771

**Re: Transfer of Permit #177982-004 for Permit #177982-002-SO
Enterprise Class III Landfill, Pasco County**

Dear Mr. Iafrate:

Enclosed is a Permit Transfer #177982-004 of Permit Number 177982-002-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes, in response to your request for transfer of permit received December 7, 2001. Please find attached a copy of the referenced permit which is hereby transferred pursuant to 62-4.120, F.A.C., as follows:

PERMITTEE:

FROM:

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

TO:

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue S.E.
Largo, FL 33771

The new permittee shall comply with the conditions of the existing permit, and all appropriate information submitted in support of the existing permit. Please be advised that this permit expires on October 5, 2006.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

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constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition 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 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 which 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 the 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 permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition and to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt 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 under Section 120.573 of the Florida Statutes is not available for this proceeding.

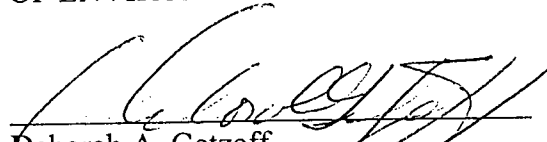
This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in

which to file a petition is filed within the time specified for filing a petition. Upon timely filing a petition or a request for an extension of time this 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 Boulevard, M.S. 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kbfb

Attachments

cc: *fb* Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on Jan. 25, 02 to the listed persons.

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

Anna Blau 01-25-02
Clerk Date

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

PRINCIPALS:

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

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cash, PE.
Lawrence E. Jenkins, P.S.M.

February 26, 2002

HAI #99.0331.001

Phase 1

File 12.0

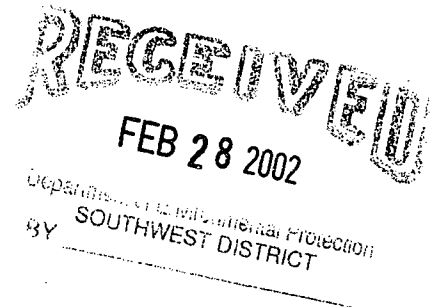
ASSOCIATES:

Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Grant C. Malchow, MBA
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.P.A.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.
Rafael A. Terrero, B.E., DEE
Jill A. Manning, P.E.
Daniel M. Nelson, P.E.
Valerie C. Davis, P.G.
Brian S. Fields, P.E.

VIA UPS OVERNIGHT *JJA*

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

**Subject: 2002 Financial Assurance Cost Estimate Update
Enterprise Recycling & Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO**




Dear Mr. Ford:


On behalf of Angelo's Aggregate Materials, Ltd., Hartman & Associates, Inc. submits for your review, the inflation adjusted financial assurance cost estimate for the Enterprise Recycling & Disposal Facility Class III Landfill. Angelo's will update the financial assurance mechanism upon notification of your approval.

We trust that this submittal will satisfy the Department's requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

JLD/JEG/sas/99.0331.001/Ph1/corresp/Ford-3.jld

Attachment

cc: John Iafate, Angelo's
Tor Bejnar, FDEP, Tallahassee

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN



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

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

RECEIVED
FEB 28 2002

Date: February 21, 2002

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Enterprise Recycling & Disposal Facility
Permit / Application No.: 177982-001-SC, 177982-02-SO Expiration Date: 10/05/06
Facility Address: Enterprise Road, west of Auton Road, Dade City, Pasco County
Permittee: Angelo's Aggregate Materials, Ltd.
Mailing Address: 1755 20th Avenue S.E., Largo, Florida 33771

Department of Environmental Protection
SOUTHWEST DISTRICT
B/WACS or GMSD # SWD-53-87895

Latitude: 28 19 53 Longitude: 82 08 06 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
<u>1</u>	<u>6.08</u>	<u>N/A</u>	<u>1.83</u>

Total Landfill Acreage included in this estimate. 6.08 Closure 6.08 Long-Term Care

Type of landfill: _____ Class I Class III _____ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

_____ Letter of Credit* _____ Insurance Certificate
_____ Performance Bond* _____ Escrow Account
 _____ Guaranty Bond* _____ Trust Fund Agreement

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

(a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

This adjustment is based on the Department approved closure cost estimate dated: 8/31/01

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
\$577,465.00	X	1.02	=	\$589,014.30

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
\$95,018.00	X	1.02	=	\$96,918.36
Number of Years of Long Term Care Remaining:			X	30
Inflation Adjusted Long-Term Care Cost Estimate:			=	2,907,550.80

(b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Ana Carmen V. DeMelo 2/25/02
Signature of Engineer

Ana Carmen V. DeMelo, P.E.
Name & Title (please type)

57420
Florida Registration Number (affix seal)

201 E Pine St Ste 1000 Orlando, FL 32801
Mailing Address

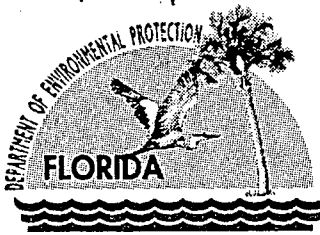
407-839-3955
Telephone Number

[Signature]
Signature of Owner/Operator

John Iafrate, President
Name & Title (please type)

(407) 290-8010
Telephone Number

The above referenced "Closure Cost Estimate" and/or "Annual Long-Term Care Cost Estimate" is/are an Engineer's opinion of probable costs for the facility, based upon a number of assumptions. These costs may vary due to specific decisions made by the contractor including cost and extent of labor, equipment and materials, and market conditions, and a variety of other conditions over which Hartman & Associates, Inc. has no control.



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

NOTICE OF PERMIT TRANSFER

January 25, 2002

Mr. Dominic Iafrate
Angelo's Aggregate Materials, Ltd.
1755 20th Avenue SE
Largo, FL 33771

**Re: Transfer of Permit #177982-004 for Permit #177982-002-SO
Enterprise Class III Landfill, Pasco County**

Dear Mr. Iafrate:

Enclosed is a Permit Transfer #177982-004 of Permit Number **177982-002-SO**, issued pursuant to Section(s) 403.087(1), Florida Statutes, in response to your request for transfer of permit received December 7, 2001. Please find attached a copy of the referenced permit which is hereby transferred pursuant to 62-4.120, F.A.C., as follows:

PERMITTEE:

FROM:

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

TO:

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue S.E.
Largo, FL 33771

The new permittee shall comply with the conditions of the existing permit, and all appropriate information submitted in support of the existing permit. Please be advised that this permit expires on October 5, 2006.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes. The petition for an administrative hearing 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, M.S. 35, Tallahassee, Florida 32399-3000, within 14 days of receipt of this Notice. A petitioner other than the applicant 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 this time period shall

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Printed on recycled paper.

constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition 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 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 which 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 the 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 permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the applicant have the right to petition and to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt 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 under Section 120.573 of the Florida Statutes is not available for this proceeding.

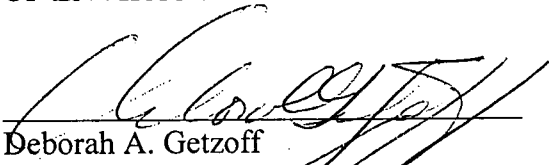
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When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
Director of District Management
Southwest District

DAG/kbfb

Attachments

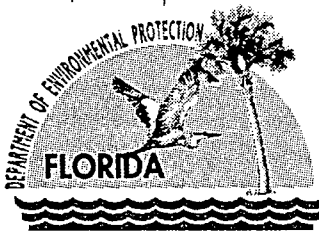
cc: Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT TRANSFER and all copies were mailed before the close of business on Jan. 25, 02 to the listed persons.

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

Anna Blau 01-25-02
Clerk Date



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Angelo's Aggregate Materials, Ltd.
c/o Mr. Dominic Iafrate
1755 20th Avenue SE
Largo, FL 33771

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/51/87895
Permit No: 177982-002-SO
Date of Issue: 10-05-2001
Expiration Date: 10-05-2006
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

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.

"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: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-002-SO
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.

SPECIFIC CONDITIONS:

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 operation, monitoring activities, and maintenance 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).

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. **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.
7. **Certification of Construction Completeness.** Within **sixty (60) days** after the specified construction has been completed, and prior to operation/acceptance of waste into each new disposal area (cell), the activities described in the current construction permit shall be completed.
8. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. 62-701.300(8), 62-701.520 and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means solid wastes that can require special handling and management, including asbestos. This disposal site shall meet the requirements of 40 CFR Part 61.154.

SPECIFIC CONDITIONS:

9. Facility Operation Requirements.

- a. The permittee shall operate this facility in accordance with F.A.C. 62-701.500 - Landfill Operation Requirements, the Site Plans, and the Operations Plan, and any other applicable requirements.
- b. All waste debris or materials (except clean concrete and clean wood) shall be unloaded inside the designated disposal area.
- c. Litter shall be collected outside the active disposal area at least once daily on operating days.
- d. Waste debris shall be spread and compacted daily on normal operating days.
- e. In the event of equipment breakdown or scheduled maintenance, the permittee shall ensure that sufficient reserve equipment is operating at the site **within 72 hours** of the occurrence or the facility shut down.
- f. If the facility has reached its permitted capacity for any area, the permittee shall not accept additional waste debris or materials until sufficient capacity has been restored.

10. Operation Plan and Operating Record. 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. The Department shall be notified of changes to the operational plan. The plan shall be updated as operations change and for renewal of the permit.

11. Sequence of Filling.

- a. A maximum of four (4) disposal areas (cells) shall be open at any time, as shown on the site plans, subject to proof of financial assurance. All disposal areas shall be closed in accordance with Rule 62-701.600, F.A.C.
- b. The sequence of filling shall be in accordance with the sequences described in the Operations Plan and as shown on Figures 3-17 (Sequence 1), 3-18 (Sequence 2), and the related cross-sections (Figures 3-24, 3-25, 3-26 and 3-27), or as otherwise approved in writing by the Department.
- c. Setback areas, the location of stormwater management system features (i.e. DRAs, ponds and swales), and disposal area (Cell) boundaries shall be clearly marked prior to disposal of waste in each disposal area (Cell). The permittee shall use markers which are of a size or design that effectively prevents unauthorized disposal in these areas. These markers shall be maintained at all times throughout the operation of the facility to prevent waste disposal in unauthorized areas.

SPECIFIC CONDITIONS:

- d. At least **annually**, or more frequently if necessary, elevations of the active disposal area (cell) shall be recorded to ensure that the slopes and grades are in accordance with the approved plans. This information shall be maintained at the facility, and copies provided to the Department upon request.
- e. At least **annually**, the owner or operator shall prepare an estimate of the remaining life and capacity (in cubic yards) of the permitted and constructed disposal areas (cells) and the remaining life and capacity of areas which have not been constructed. These estimates shall be supported by a topographic survey and calculations, which are signed and sealed by a professional engineer or land surveyor, as appropriate. The annual capacity estimate, supporting calculations and topographic survey shall be submitted **annually by April 1st of each year.**
12. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill and at least one trained spotter shall be at the working face at all times when the landfill receives waste. The permittee shall notify the Department in writing of a change of the primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Copies of the training certificates for the newly assigned individual shall also be submitted.
13. **Waste Records.** Waste quantity records shall be compiled monthly as described by F.A.C. 62-701.500(4) and made available to the Department upon request.
14. **Control of Access.** Access to, and use of, the facility shall be controlled as required by F.A.C. 62-701.500(5).
15. **Waste Debris and Material Management and Storage.**
- Unauthorized wastes shall be handled, stored and removed from the site as described in the Section 5.0 of the Operations Plan.
 - Materials shall be stored as described in the Section 5.0 of the Operations Plan.
 - Recyclable clean wood shall not include wood which has been treated (e.g. creosote, pressure-treated, CCA, etc.) or painted.
 - Clean wood separated for recycling shall be processed and reused or disposed within six months of receipt, unless otherwise approved in writing by the Department.
 - The owner or operator shall remove from the site, 75% of all stored materials each year, for recycling or disposal, unless otherwise approved in writing by the Department.
 - All Class I waste shall be stored in containers and shall be disposed of at least once each week, or more often if necessary.

SPECIFIC CONDITIONS:

16. **Monitoring of Waste.** Wastes shall be monitored as required by F.A.C. 62-701.500(6) including a load checking program and associated activities. This landfill is limited to construction and demolition debris, and Class III wastes including regulated asbestos-containing materials (RACM). **Bags of RACM accepted for disposal shall remain sealed.**

a. Each load of RACM arriving at the facility shall be accompanied by a completed Waste Shipment Record (WSR) in accordance with 40 CFR 61.150, on a form similar to Figure 4. attached and containing all the information required therein. Each trailer's identification number shall be written on each WSR for each load. Each load shall be inspected to insure that it is properly bagged, that bags are intact and properly sealed, and that the required warning labels and generator labels are affixed. In addition, a minimum of three loads each week shall be randomly selected by the inspector to discharge their loads at a designated area for detailed inspection for compliance with 40 CFR 61.150 and 29 CFR 1926.1101(k)(8).

b. The permittee shall not knowingly accept hazardous waste or any hazardous substance for disposal at this site. Hazardous waste is a waste identified in Chapter 62-730, F.A.C. 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 F.A.C. 62-701.300(4) and 62-701.500(6)(b).

17. **Waste Handling Requirements.** All solid waste disposed of in the Class III area shall be covered as required by F.A.C. 62-701.500(7), 62-701.520, and 40 CFR 61, Subpart M, 61.154.

a. Initial cover shall be applied and maintained in accordance with 62-701.500(7)(e) so as to protect the public health and welfare. All RACM disposed of in the Class III area shall be covered with at least 6 inches of compacted earth at the end of each working day. All other solid waste disposed of in the Class III area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department, at the end of each work week.

b. Intermediate cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(f). An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion at all landfills if final cover or an additional lift is not to be applied within 180 days of cell completion.

SPECIFIC CONDITIONS:

18. **Working Face.** As required by F.A.C. 62-701.500(7)(d), the permittee shall minimize the size of the working face to minimize the 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.
19. **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.
20. **Gas Monitoring.**
- a. Landfill gas shall be monitored in accordance with the Operations Plan, Section 10.1, prepared by Hartman & Associates, and as required by F.A.C. 62-701.530. Gas monitoring probes GP-9, GP-10, GP-11, GP-12, GP-13 and GP-14 shall be installed prior to operation and acceptance of waste. The remaining gas monitoring probes shall be installed prior to operation and acceptance of waste as part of Sequence 3.
- b. The results of the quarterly monitoring as required by F.A.C. 62-701.530(2)(c), shall be submitted by the following dates:
- | | |
|-----------|---------------------|
| Quarter 1 | April 15th |
| Quarter 2 | July 15th |
| Quarter 3 | October 15th |
| Quarter 4 | January 15th |
- c. The installed gas monitoring points shown on Figure 3-13 (attached) prepared by Hartman & Associates shall be sampled at least **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. 62-701.530(2)(c). The Gas Contingency Plan shall be implemented in accordance with the Operations Plan, Section 10.1.2, prepared by Hartman & Associates, if the methane levels are detected above 5% of the LEL. All gas migration wells (monitoring probes) are to be clearly labeled and easily visible at all times.
- d. If the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off the landfill site; or greater than 100% at the property boundary, the owner shall immediately take all necessary steps to ensure protection of human health and notify the Department, and submit to the Department **within 7 days** a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.
21. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13).

SPECIFIC CONDITIONS:

22. **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.
23. **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.
24. **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.
25. **Financial Assurance.** The permittee shall provide financial assurance for the facility in accordance with F.A.C. 62-701.630.
- a. The financial assurance mechanism shall be initially established and appropriately funded for each new disposal area (Cell), at least sixty (60) days prior to acceptance of waste for disposal into the new disposal area (Cell).
- b. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.
- c. 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.
26. **Water Quality Requirements.** The landfill shall be designed, constructed, operated, maintained, closed, and monitored throughout its design period to control the movement of waste and waste constituents into the environment so that ground water and surface water quality standards and criteria of Chapters 62-302 and 62-520, F.A.C., will not be violated beyond the zone of discharge specified for the landfill.
27. **Zone of Discharge.**
- a. The zone of discharge for this site shall extend horizontally 100 feet from the limits of the landfill or to the property boundary, whichever is less, and shall extend vertically to the bottom of the surficial aquifer.

SPECIFIC CONDITIONS:

b. The permittee shall ensure that the water quality standards 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.

28. Water Quality Monitoring Quality Assurance.

a. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms possessing a Quality Assurance Plan (QAP) approved by the Department to meet the requirements of Chapter 62-160, F.A.C. The QAP must specifically address the types of sampling and analytical work that are required by this permit. The QAP shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted when the sampling or analytical entities change. Documentation shall include a copy of the approval letter regarding the QAP.

b. The field testing, sample collection, sample preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with 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.

29. 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. As it has been indicated that there is no planned discharge of surface waters at the site, routine surface water sampling and analysis has not been required. However, in the event that a surface water discharge should occur, monitoring is required in accordance with Rule 62-701.510(4), F.A.C. Notification of surface water discharge shall be provided to the Solid Waste Section of the Department's Southwest District office on the day of discharge, and the discharged water shall be sampled for the parameters listed in Rule 62-701.510(8)(b), F.A.C. Results of surface water analyses shall be submitted to the Department's Southwest District office **within 60 days of discharge.**

b. 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 established for the individual parameters to demonstrate compliance with Class III (predominantly fresh water) surface water criteria presented in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

SPECIFIC CONDITIONS:

30. **Ground Water Monitor Well Locations.** The ground water monitor wells shall be located as shown on Figure 15, titled "Proposed Monitor Well Location Map" prepared by Hartman & Associates, Inc., received April 4, 2001 (attached), as follows:

Well No.	WACS Testsite No.	Aquifer	Designation	Location
MW-1*+	19566	Surficial	Background	See Figure 15
MW-1A*	19567	Surficial	Background	↓
MW-1B	19568	Floridan	Background	↓
MW-2A*	19569	Surficial	Detection	↓
MW-2B*	19570	Floridan	Detection	↓
MW-3*	19571	Surficial	Detection	↓
MW-4*	19572	Surficial	Detection	↓
MW-5A*	19573	Surficial	Detection	↓
MW-5B*	19574	Floridan	Detection	↓
MW-6*	19575	Surficial	Detection	↓
MW-7A*	19576	Surficial	Detection	↓
MW-7B	19577	Floridan	Detection	↓
MW-8*	19578	Surficial	Detection	↓
MW-9*	19579	Surficial	Detection	↓
MW-10*	19580	Surficial	Detection	↓
MW-11*	19581	Surficial	Detection	↓
MW-12A*	19582	Surficial	Detection	↓
MW-12B*	19583	Floridan	Detection	↓
MW-13*	19584	Surficial	Detection	↓
MW-14*	19585	Surficial	Background	↓

* To be installed and developed in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be completed **at least 30 days prior to disposal of waste in the corresponding cell(s)**. Well construction details referenced in Specific Condition No. 33.C. shall be provided to the Department **within 90 days of well installation and development**.

+ To be abandoned **at least 30 days prior to construction of Cell 8**.

The surficial aquifer wells are intended to be completed in the sandy, silty, and clayey sediments overlying the first confining unit; the Floridan aquifer wells are intended to be completed in the uppermost limestone sediments encountered below the first confining unit. Under no circumstances shall the screened intervals of any of these monitor wells be open to sediments of both the surficial and Floridan aquifers, and the annular space shall be sealed to prevent the movement of ground water across the first confining unit. The top of the screened interval in each surficial aquifer monitor well shall be set above the wet season water table surface.

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:

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

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
P-2	Surficial	Piezometer	See Figure 15
P-4	Surficial	Piezometer	↓
P-6	Surficial/Floridan	Piezometer	↓
P-7	Surficial	Piezometer	↓
P-8	Floridan	Piezometer	↓
P-10	Floridan	Piezometer	↓
P-11	Floridan	Piezometer	↓

All piezometers are to be clearly labeled and easily visible at all times. The permittee should keep all piezometers locked to minimize unauthorized access.

32. **Groundwater 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 less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-522, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. An initial sampling event at each of the wells listed in Specific Condition No. 30 shall be conducted for the parameters listed in Rule 62-701.510(8)(a) and (8)(d), F.A.C. The initial sampling events shall be conducted **within 7 days of well installation and development** in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be conducted prior to disposal of waste in the corresponding cell(s). The laboratory results for the initial sampling events shall be reported to the Department **within 90 days of sample collection**.

b. Following completion of the initial sampling event, the wells listed in Specific Condition No. 30 shall be sampled **semi-annually** for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>
Static water levels before purging	Total ammonia - N
Specific conductivity	Chlorides
pH	Iron
Dissolved oxygen	Mercury
Temperature	Nitrate
Turbidity	Sodium
Colors & sheens (by observation)	Total dissolved solids (TDS)
	<u>Those parameters listed in 40 CFR Part 258, Appendix I</u>

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. 30), the permittee shall request and receive Department approval of a minor permit modification.

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.

SPECIFIC CONDITIONS:

34. **Well and Piezometer Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan are to 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 a written report to the Department within 90 days of well abandonment documenting verification of the well abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

35. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 30 days after the sampling data is received 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 representative of current 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.

36. **Water Quality Reporting Requirements.** All 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 results of ground water quality analyses by **January 15th and July 15th of each year.** Each report shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded.

37. **Report Submittals.** All reports for compliance with this permit shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

38. **Water Quality Monitoring Plan Evaluation.** By **October 1, 2003, and no later than April 1, 2006,** 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>
October 1, 2003	Initial sampling	First Half 2003
April 1, 2006	Second Half 2003	Second Half 2005

SPECIFIC CONDITIONS:

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.

39. **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.

40. **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 (including dry or damaged wells), 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.

41. **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.

42. **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.

43. **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.

PERMITTEE: Angelo's Aggregate Materials, Ltd.

PERMIT NO.: 177982-002-SO
Enterprise Class III Landfill

SPECIFIC CONDITIONS:

44. **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.

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
6.	Annually, by April 1st	Submit construction schedule and progress report
11.e.	Annually, by April 1st	Capacity estimate and survey
20.	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Submit Gas Monitoring Reports
25.b.	Annually, by March 1st	Submit revised cost estimates
25.c.	Annually, by	Submit proof of funding
32.b.	Every 6 months	Ground water wells sampled/analyzed
36.	Semi-annually, by January 15th and July 15th	Submit ground water quality results
38.	By Oct. 2, 2003 and Apr. 1, 2006	Submit Water quality monitoring plan evaluation

Generator	1. Work site name and mailing address		Owner's name	Owner's telephone no.
	2. Operator's name and address			Operator's telephone no.
	3. Waste disposal site (WDS) name, mailing address, and physical site location			WDS phone no.
	4. Name, and address of responsible agency			
Generator	5. Description of materials		6. Containers No. Type	7. Total quantity (yd ³)
Generator	8. Special handling instructions and additional information			
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
	Printed/typed name & title		Signature	Month Day Year
	10. Transporter 1 (Acknowledgment of receipt of materials)			
	Printed/typed name & title		Signature	Month Day Year
Transporter	Address and telephone no.			
	11. Transporter 2 (Acknowledgment of receipt of materials)			
	Printed/typed name & title		Signature	Month Day Year
Disposal Site	Address and telephone no.			
	12. Discrepancy Indication space			
	13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
Printed/typed name & title		Signature	Month Day Year	

(Continued)

Figure 4. Waste Shipment Record

INSTRUCTIONS

Waste Generator Section (Items 1-9)

1. Enter the name of the facility at which asbestos waste is generated and the address where the facility is located. In the appropriate spaces, also enter the name of the owner of the facility and the owner's phone number.
2. If a demolition or renovation, enter the name and address of the company and authorized agent responsible for performing the asbestos removal. In the appropriate spaces, also enter the phone number of the operator.
3. Enter the name, address, and physical site location of the waste disposal site (WDS) that will be receiving the asbestos materials. In the appropriate spaces, also enter the phone number of the WDS. Enter "on-site" if the waste will be disposed of on the generator's property.
4. Provide the name and address of the local, State, or EPA Regional office responsible for administering the asbestos HESHAP program.
5. Indicate the types of asbestos waste materials generated. If from a demolition or renovation, indicate the amount of asbestos that is
 - Friable asbestos material
 - Nonfriable asbestos material
6. Enter the number of containers used to transport the asbestos materials listed in item 5. Also enter one of the following container codes used in transporting each type of asbestos material (specify any other type of container used if not listed below):
 - DH - Metal drums, barrels
 - DP - Plastic drums, barrels
 - BA - 6 mil plastic bags or wrapping
7. Enter the quantities of each type of asbestos material removed in units of cubic meters (cubic yards).
8. Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate waste disposal site is designated, note it here. Emergency response telephone numbers or similar information may be included here.
9. The authorized agent of the waste generator must read and then sign and date this certification. The date is the date of receipt by transporter.

NOTE: The waste generator must retain a copy of this form.

(continued)

Figure 4. Waste Shipment Record

Transporter Section (Items 10 & 11)

10. & 11. Enter name, address, and telephone number of each transporter used, if applicable. Print or type the full name and title of person accepting responsibility and acknowledging receipt of materials as listed on this waste shipment record for transport. Enter date of receipt and signature.

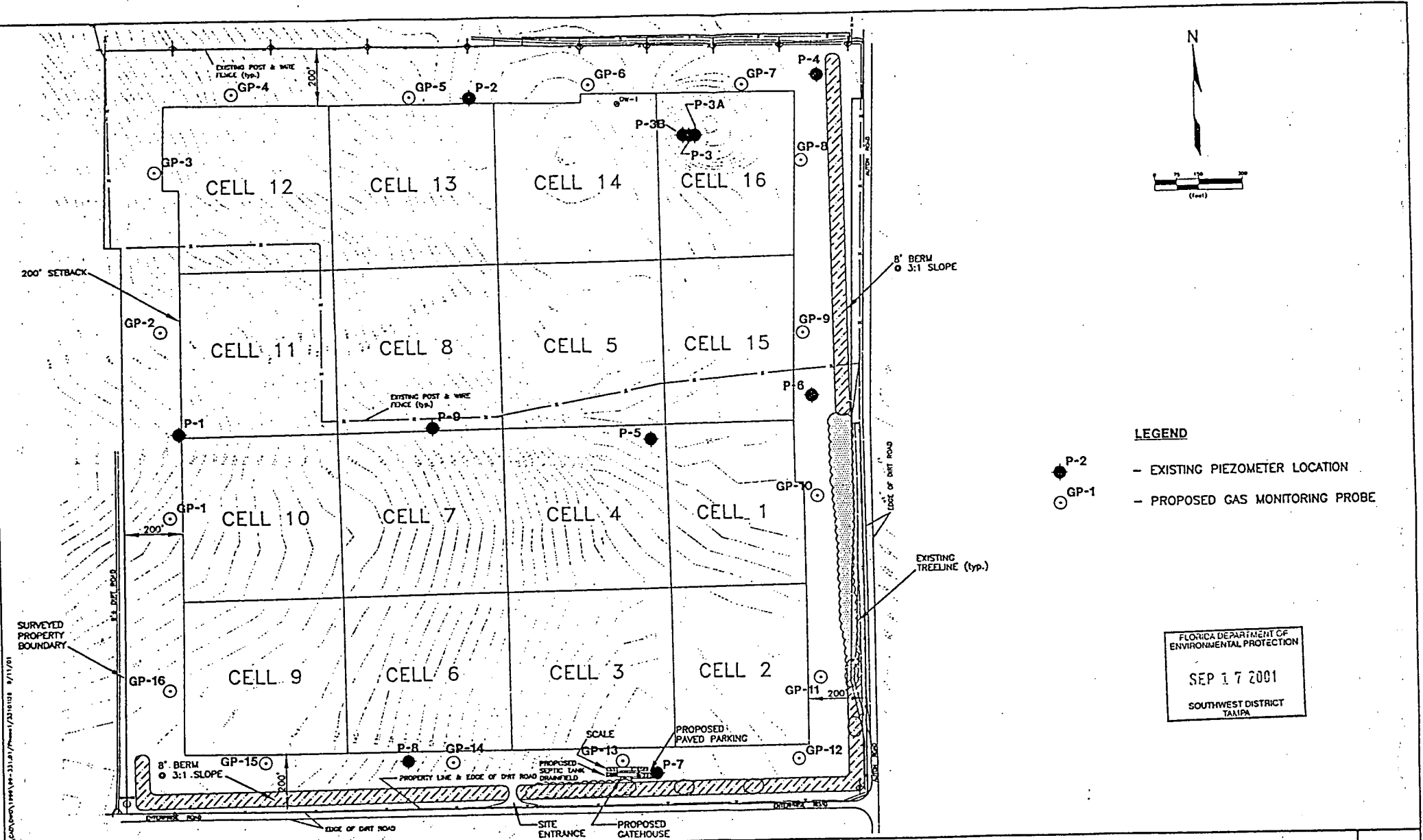
NOTE: The transporter must retain a copy of this form.

Disposal Site Section (Items 12 & 13)

12. The authorized representative of the WOS must note in this space any discrepancy between waste described on this manifest and waste actually received as well as any improperly enclosed or contained waste. Any rejected materials should be listed and destination of those materials provided. A site that converts asbestos-containing waste material to non-asbestos material is considered a WOS.
13. The signature (by hand) of the authorized WOS agent indicates acceptance and agreement with statements on this manifest except as noted in item 12. The date is the date of signature and receipt of shipment.

NOTE: The WOS must retain a completed copy of this form. The WOS must also send a completed copy to the operator listed in item 2.

Figure 4. Waste Shipment Record.



HARTMAN & ASSOCIATES, INC.
 engineers, hydrogeologists, surveyors & management consultants
 201 EAST PINE STREET - SUITE 1020 - ORLANDO, FL 32801
 TELEPHONE (407) 838-3825 - FAX (407) 838-3790

PROPOSED GAS MONITORING PROBE LOCATION MAP
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3-13

DEP Form # <u>62-522.900(2)</u>
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

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

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

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: _____

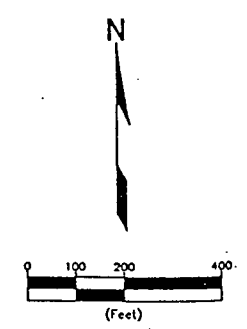
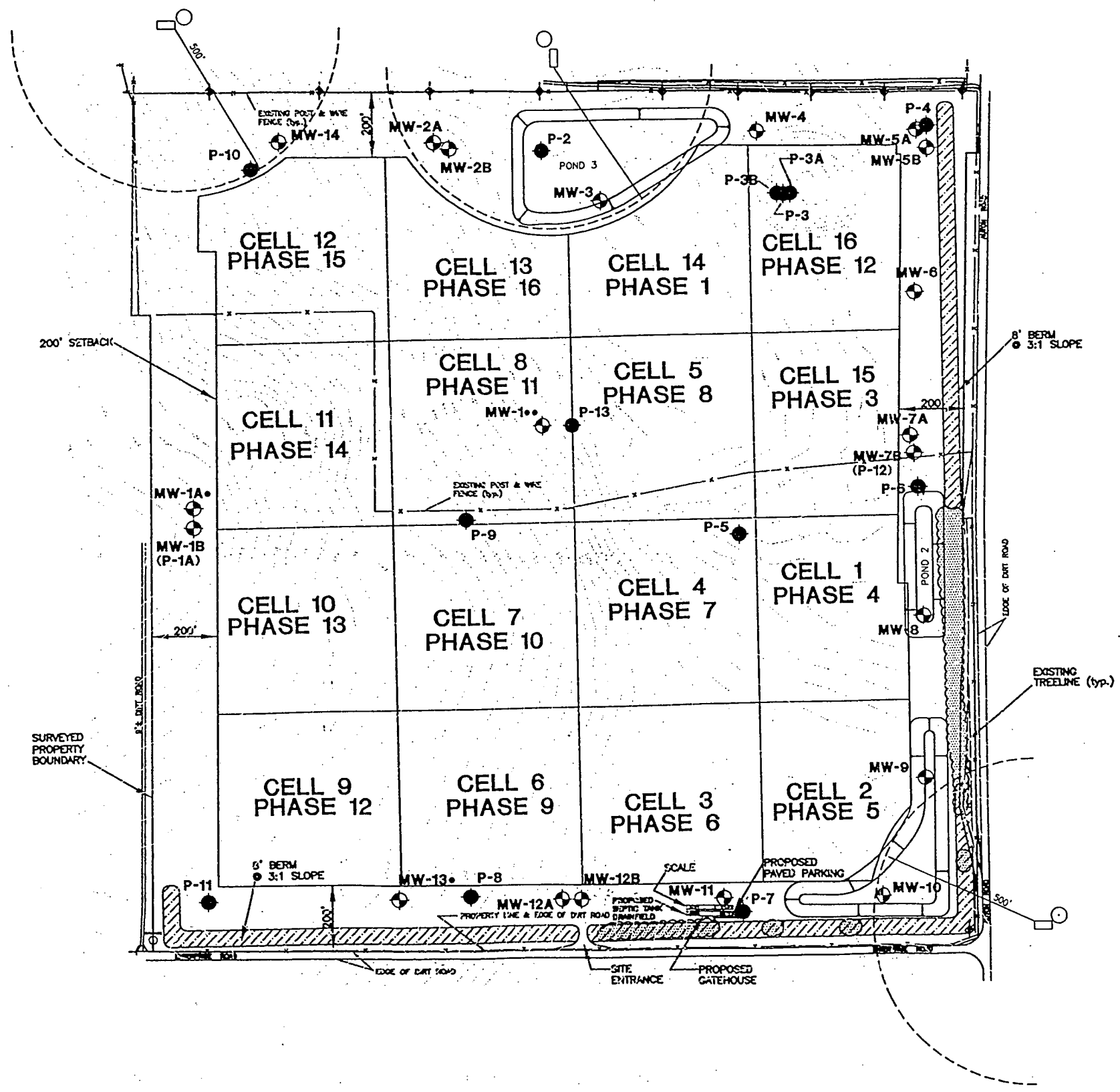
REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)







NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 APR 04 2001
 SOUTHWEST DISTRICT
 TAMPA



LEGEND

-  MW-2 - PROPOSED SURFICIAL AQUIFER DETECTION MONITOR WELL LOCATION
-  MW-1B - PROPOSED FLORIDAN AQUIFER DETECTION MONITOR WELL LOCATION
-  P-2 - EXISTING PIEZOMETER LOCATION
-  - PRIVATE POTABLE WELL LOCATION
-  MW-13 - PERIODIC DRY SURFICIAL AQUIFER MONITOR WELL LOCATION
-  MW-1 - BACKGROUND SURFICIAL AQUIFER MONITOR WELL TO BE ABANDONED PRIOR TO CELL 8 LANDFILLING

R:\19998-331.01\PHASE5\3310136 4/2/01

Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

TO: DEBORAH GETZOFF, Director of District Management

FROM/THROUGH:

William Kutash ENVIRONMENTAL ADMINISTRATOR
Bob Butera SUPERVISOR
Kim Ford ENGINEER

DATE: 1/24/02

FILE NAME: Enterprise Class III Landfill
PROGRAM : Solid Waste

TRANSFER #: 177982-004
PERMIT #: 177982-002-SO
COUNTY: Pasco

TYPE OF PERMIT ACTION: ISSUE DENY MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? N/A PETITION FILED? N/A

PERMIT SUMMARY: This is a transfer of the solid waste operation permit for a Class III landfill.

PROFESSIONAL RECOMMENDATION: APPROVE DENY

EVALUATION SUMMARY: I recommend this transfer of permit based on a review of related correspondence. The application for transfer of permit was received on December 7, 2001. One deficiency letter was sent and responses received on January 14 and January 18, 2002.

This application was deemed completed on **January 14, 2002.**

Department Processing Time = 34 days (as of January 20, 2002)
Total Processing Time (TIH) = 44 days (as of January 20, 2002)

Day 90/30 for this Action is April 15, 2002.



Michigan Branch
101 West Big Beaver Road Suite 245 Troy MI 48084

*SUBAN
Comments?
for
Do you want
ARK
BEFORE I
CNA
ISSUE?*

Robert G. Heald
Vice President
Branch Manager
Telephone 248-689-6104 x101
877-574-2896
Facsimile 248-689-7269
Internet RGHeald@cnaSurety.com

January 11, 2002

VIA UPS

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

RECEIVED
JAN 18 2002
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Re: Enterprise Class III Landfill – Financial Assurances
Pending Transfer of Permit Nos. 177982-003 and 177982-004
Pasco County

Dear Mr. Ford:

We are writing this letter at the request of Angelo's Aggregate Materials, Ltd.

National Fire Insurance Company ("National Fire") understands that Angelo's Aggregate Materials, Ltd. has applied for an assignment of the captioned Permits from Sid Larkin & Son, Inc. This letter is intended to inform the Florida Department of Environmental Protection that it is the present intention of National Fire to become surety on the bond or bonds in the amounts and within the time frames required under the captioned Permits and/or Chapter 62-701.610 of the Florida Administrative Code. We have been advised that such bond(s) shall include, without limitation, a bond for closing and long-term care of the Class III Landfill in an amount not less than \$3,428,008.00.

This letter supersedes and rescinds the letter signed by Stephen Dullard dated January 11, 2002, referencing a bond for closing and long term care of the Class III Landfill in an amount not less than \$3,360,792.00.

If you have any questions regarding the foregoing, feel free to call the undersigned.

Sincerely

Robert G. Heald

**** Transmit Conf. Report ****

P.1

Jan 16 2002 10:35

Telephone Number	Mode	Start	Time	Pages	Result	Note
815864274698	NORMAL	16.10:31	3'45"	4	* O K	



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318**

FAX

Date: 1/16/02
Number of pages including cover sheet: 4

TO: <u>CHRIS HAMRICK</u>	FROM: <u>Fun FORD</u>
PHONE: <u>586 7561070</u>	PHONE: <u>(813) 744-6100, x 362</u>
FAX #: <u>586 4274698</u>	FAX #: <u>(813) 744-6125</u>
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>ENTERPRISE TRANSFER</u>	
<u>— WROCK COST EST. AMOUNT</u>	



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318

FAX

Date: 1/16/02
Number of pages including cover sheet: 4

TO: <u>Chris Hamrick</u>	FROM: <u>Fun Fords</u>
PHONE: <u>586 7561070</u>	PHONE: (813) 744-6100, <u>x 362</u>
FAX #: <u>586 4274698</u>	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input checked="" type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>ENTERPRISE TRANSFERS</u>	
<u>— WRONG COST EST. AMOUNT</u>	



CNA Plaza Chicago IL 60695-0001

Stephen Dullard
Vice President
Contract Territorial Underwriting Officer
Telephone 312-822-5331
Facsimile 312-822-7517
Internet stdullard@cnasurety.com

January 11, 2002

VIA FEDERAL EXPRESS

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

D.E.P.
JAN 14 2002
Southwest District Tampa

Re: Enterprise Class III Landfill – Financial Assurances
Pending Transfer of Permit Nos. 177982-003 and 177982-004
Pasco County

Dear Mr. Ford:

We are writing this letter at the request of Angelo's Aggregate Materials, Ltd.

National Fire Insurance Company ("National Fire") understands that Angelo's Aggregate Materials, Ltd. has applied for an assignment of the captioned Permits from Sid Larkin & Son, Inc. This letter is intended to inform the Florida Department of Environmental Protection that it is the present intention of National Fire to become surety on the bond or bonds in the amounts and within the time frames required under the captioned Permits and/or Chapter 62-701.610 of the Florida Administrative Code. We have been advised that such bond(s) shall include, without limitation, a bond for closing and long-term care of the Class III Landfill in an amount not less than \$3,360,792.00. X

If you have any questions regarding the foregoing, feel free to call the undersigned.

Sincerely,

Stephen Dullard

At least \$ 3,428,000.
until March 1, 2002

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

PRINCIPALS

Genald 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. Casher, P.E.
Lawrence E. Jenkins, P.S.M.

ASSOCIATES

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

D.E.P.
SEP 07 2001
Southwest District Tampa

August 31, 2001

HAI #99-331.01
Phase 1
File 12.0

Via Facsimile and U.S. Mail

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: 2001 Closure and Long Term Care Cost Estimates
Enterprise Recycling and Disposal Facility
Pasco County, Florida
FDEP Pending Permit #177982-001-SC, 177982-002-SO**

Dear Ms. Pelz:


On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. submits these inflation adjusted closure and long term care cost estimates in accordance with your February 14, 2001 letter. The estimates have been adjusted as follows.


	2000 Estimate	Inflation Factor	2001 Estimate
Closure	\$566,142	1.02	\$577,465
Long Term Care	\$2,794,650	1.02	\$2,850,543
Total			\$3,428,008

We trust that this submittal will satisfy the Department's requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

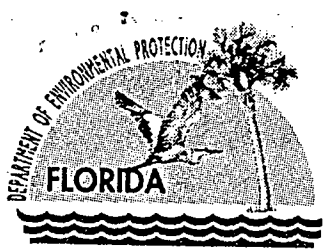
8/31/01

JLD/sas/99-331.01/Ph1/corresp/Pelz-1.jld

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

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Jon Larkin
Sid Larkin & Son, Inc.
P.O. Box 1747
Dade City, Fl. 33526

September 12, 2001

RE: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Pending Permit No.: 177982-001-SC, Pasco County

Dear Mr. Larkin:

This letter is to acknowledge receipt of the inflation-adjusted cost estimates dated August 31, 2001 (received September 7, 2001), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received September 7, 2001 (total closing \$577,465 and \$95,018/year x 30 years = \$2,850,543 total long-term care), are **APPROVED for 2001**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. Due to recent revisions of Rule 62-701.630, F.A.C., the next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2002.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

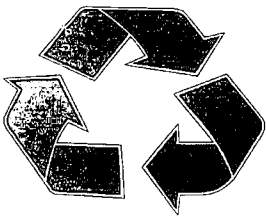
Sincerely,

Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp
cc: James E. Golden, P.G. and Roderick Cashe, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000,
Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa

"More Protection, Less Process"

Printed on recycled paper.



Angelo's Aggregate Materials, Ltd.

26400 Sherwood
Warren, Michigan 48091

Telephone - (810) 756-1070

Facsimile - (810) 756-5615

January 10, 2002

VIA FEDERAL EXPRESS

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

D.E.P.
JAN 14 2002
Southwest District Tampa

Re: Enterprise Class III Landfill – Financial Assurances
Pending Transfer of Permit Nos. 177982-003 and 177982-004
Pasco County

Dear Mr. Ford:

This letter is intended to provide you with the information requested in your letter dated January 4, 2002. The numbers set forth below corresponds to those referenced in your January 4, 2002 letter:

1. 62-701.320(7). Is the applicant an individual or corporation? Mr. Dominic Iafrate is not listed as an officer of Angelo's Aggregate Materials, Ltd.

RESPONSE: The Applicant, Angelo's Aggregate Materials, Ltd., is a Florida limited partnership, having Iafrate Florida Properties, Inc., a Florida corporation, as its General Partner. The officers of Iafrate Florida Properties, Inc. include Dominic Iafrate as President, Angelo E. Iafrate as Vice President and Secretary, George Ihm as Treasurer, and Christopher O. Corden as General Counsel and Vice President of Legal Affairs. All such individuals have authority to represent and bind Iafrate Florida Properties, Inc. and Angelo's Aggregate Materials, Ltd.

2. 62-701.610. Proof of financial assurance.

RESPONSE: Applicant Angelo's Aggregate Materials, Ltd. commits to providing all financial assurances necessary and within the time frame required under the captioned Permits and/or the Florida Administrative Code. In support of such commitment, Applicant has secured the commitment of CNA Insurance Company to

issue all necessary and required bonds to fulfill Applicant's obligations under the captioned Permits and/or the Florida Administrative Code, as evidenced by the enclosed letter.

If you have any questions regarding the foregoing or the enclosed, feel free to contact me.

Sincerely,



Dominic Iafrate

DI:dlp
Enclosure

Cc: Angelo Iafrate
Christopher O. Corden, Esq.

D.E.P.

JAN 14 2002

Southwest District Tampa

Charles Hancock
OFFICE
MANAGER



CNA Plaza Chicago IL 60685-0001

Stephen Dullard

Vice President
Contract Territorial Underwriting Officer

Telephone 312-822-5331

Facsimile 312-822-7517

Internet stdullard@cnaSurety.com

January 11, 2002

VIA FEDERAL EXPRESS

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

D.E.P.

JAN 14 2002

Southwest District Tampa

Re: Enterprise Class III Landfill – Financial Assurances
Pending Transfer of Permit Nos. 177982-003 and 177982-004
Pasco County

Dear Mr. Ford:

We are writing this letter at the request of Angelo's Aggregate Materials, Ltd.

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If you have any questions regarding the foregoing, feel free to call the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen Dullard", written over a white background.

Stephen Dullard



CNA Plaza Chicago IL 60685-0001

*Susan
Comments?
[Signature]*

Stephen Dullard

Vice President
Contract Territorial Underwriting Officer
Telephone 312-822-5331
Facsimile 312-822-7517
Internet stdullard@cnasurety.com

January 11, 2002

VIA FEDERAL EXPRESS

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

RECEIVED
JAN 14 2002
SOUTHWEST DISTRICT
BY _____

Re: Enterprise Class III Landfill – Financial Assurances
Pending Transfer of Permit Nos. 177982-003 and 177982-004
Pasco County

Dear Mr. Ford:

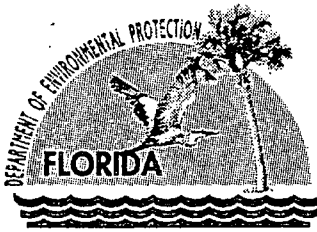
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If you have any questions regarding the foregoing, feel free to call the undersigned.

Sincerely,

Stephen Dullard



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 4, 2002

Mr. Dominic Iafrate
Angelo's Aggregate
1755 20th Avenue S.E.
Largo, FL 33771

Re: Enterprise Class III Landfill
Pending Transfer of Permit Nos. #177982-003 and 177982-004,
Pasco County

Dear Mr. Iafrate:

This is to acknowledge receipt of your applications for transfer of permits received on December 7, 2001, and fees received on December 7 and 17, 2001 for the above referenced solid waste management facility.

This letter constitutes notice that permit transfers will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your applications for permit transfers are incomplete. This is the Department's 1st request for additional 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 applications [Chapters 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. **62-701.320(7)**. Is the applicant an individual or corporation? Mr. Dominic Iafrate is not listed as an officer of Angelo's Aggregate Materials, Ltd.
2. **62-701.610**. Proof of financial assurance.

"More Protection, Less Process"

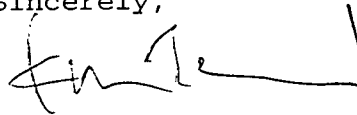
Printed on recycled paper.

January 4, 2002

"NOTICE! Pursuant to the provisions of Section 120.60, F.S., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible 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. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

Please submit your response to this letter as one complete package. On all future correspondence, please include Robert Butera on distribution. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: James Golden, P.G., Hartman & Associates
④ Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa
Randy Cooper, P.E., ERP Section, FDEP Tampa

Florida Department of State, Division of Corporations

Corporations Online

www.sunbiz.org

Public Inquiry

Florida Limited Partnership

ANGELO'S AGGREGATE MATERIALS, LTD.

PRINCIPAL ADDRESS

26400 SHERWOOD
WARREN MI 48091

MAILING ADDRESS

26400 SHERWOOD
WARREN MI 48091

Document Number
A97000001016

FEI Number
593448428

Date Filed
05/07/1997

State
FL

Status
ACTIVE

Effective Date
NONE

Last Event
CONTRIBUTION CHANGE

Event Date Filed
07/10/2000

Event Effective Date
NONE

Actual Contribution
2,800,000.00

Registered Agent

Name & Address

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION FL 33324

Name Changed: 10/26/1998

Address Changed: 10/26/1998

General Partner Detail

Name & Address	Document Number
IAFRATE FLORIDA PROPERTIES, INC. 26400 SHERWOOD WARREN MI 48091	P97000040503

Annual Reports

Report Year	Filed Date	Intangible Tax
1999	04/09/1999	
2000	07/10/2000	
2001	04/27/2001	

[Previous Filing](#)

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No Name History Information

[View Document Image\(s\)](#)

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[Corporations Inquiry](#)

[Corporations Help](#)

Florida Department of State, Division of Corporations

Corporations Online
Public Inquiry

ANGELO'S AGGREGATE MATERIALS, LTD.

Document Number
A97000001016

Date Filed
05/07/1997

Effective Date
None

Status
Active

EVENT TYPE	FILED DATE	EFFECTIVE DATE	DESCRIPTION
CONTRIBUTION CHANGE	07/10/2000		
CONTRIBUTION CHANGE	04/09/1999		
CONTRIBUTION CHANGE	05/08/1998		

THIS IS NOT OFFICIAL RECORD; SEE DOCUMENTS IF QUESTION OR CONFLICT

Corporations Inquiry

Corporations Help

Corporations Document A97000001016

Request or Download Document	Filing Date	Description	Page Count
<input checked="" type="checkbox"/> Request	2000-07-10	Contribution Change	3
<input checked="" type="checkbox"/> Download	2001-04-27	ANN REP/UNIFORM BUS REP	2
<input checked="" type="checkbox"/> Request	1998-05-08	Contribution Change	2
<input checked="" type="checkbox"/> Request	1998-10-26	Reg. Agent Change	2
<input checked="" type="checkbox"/> Request	1999-04-09	Contribution Change	2
<input checked="" type="checkbox"/> Request	1998-05-08	ANNUAL REPORT	1
<input checked="" type="checkbox"/> Request	1999-04-09	ANNUAL REPORT	1
<input checked="" type="checkbox"/> Request	2000-07-10	ANN REP/UNIFORM BUS REP	1

After entering document information click the submit button.

Florida Department of State, Division of Corporations

Corporations Online

www.sosbiz.org

Public Inquiry

Corporate Officer/Registered Agent Name List

Officer/RA Name	Entity Name	Document Number
<u>IAFRATE, ADRIANO J.</u>	IAFRATE INNOVATIONS, INC.	K04971
<u>IAFRATE, ANGELA</u>	JAMES INDUSTRIAL CONSTRUCTORS, L.L.C.	L98000001337
<u>IAFRATE, ANGELO</u>	ANGELO IAFRATE CONSTRUCTION COMPANY	853047
<u>IAFRATE, ANGELO</u>	ANGELO'S CRUSHED CONCRETE, INC.	P06094
<u>IAFRATE, ANGELO E</u>	STONY POINTE DEVELOPMENT CORP.	F98000004400
<u>IAFRATE, ANGELO E</u>	ANGELO IAFRATE CONSTRUCTION, L.L.C.	L98000001338
<u>IAFRATE, ANGELO E</u>	IAFRATE FLORIDA PROPERTIES, INC.	P97000040503
<u>IAFRATE, ANGELO, JR.</u>	ANGELO IAFRATE CONSTRUCTION COMPANY	853047
<u>IAFRATE, ANGELO, JR.</u>	ANGELO'S CRUSHED CONCRETE, INC.	P06094
<u>IAFRATE, ANNA</u>	GRAPHIC CENTER PRINTING, INCORPORATED	L00071
<u>IAFRATE, DOMINIC</u>	ANGELO IAFRATE CONSTRUCTION COMPANY	853047
<u>IAFRATE, DOMINIC</u>	STONY POINTE DEVELOPMENT CORP.	F98000004400
<u>IAFRATE, DOMINIC</u>	JAMES INDUSTRIAL CONSTRUCTORS, L.L.C.	L98000001337
<u>IAFRATE, DOMINIC</u>	ANGELO IAFRATE CONSTRUCTION, L.L.C.	L98000001338
<u>IAFRATE, DOMINIC</u>	ANGELO'S CRUSHED CONCRETE, INC.	P06094
<u>IAFRATE, DOMINIC</u>	IAFRATE FLORIDA PROPERTIES, INC.	P97000040503
<u>IAFRATE FLORIDA PROPERTIES, INC.</u>	ANGELO'S AGGREGATE MATERIALS, LTD.	A97000001016
<u>IAFRATE, FRANCES A.</u>	DISABLED AMERICAN VETRANS, CHAPTER 69, HOMESTEAD/REDLANDS, INC.	N28277
<u>IAFRATE, GAIL</u>	IAFRATE, INC.	F51080
<u>IAFRATE, LORRAINE M</u>	M & B LAWN SERVICE, INC.	P97000104321
<u>IAFRATE, MADELINE</u>	KI KU ENTERPRISES, INC.	M40622
<u>IAFRATE, MADELINE</u>	KI KU ENTERPRISES, INC.	M40622
<u>IAFRATE, MADELINE</u>	KI KU ENTERPRISES, INC.	M40622
<u>IAFRATE, MARIO</u>	M & B LAWN SERVICE, INC.	P97000104321

[Previous List](#)
[Next List](#)

THIS IS NOT OFFICIAL RECORD; SEE DOCUMENTS IF QUESTION OR CONFLICT

Solid Waste Program
Permitting Application

New Site

Site Name:
Site Address:
County:
Type/Subcode:

Existing Site

Site ID:	177982 - 004
Project Name:	ENTERPRISE CIII LE OPERATION
Type/Subcode:	SO / TO
Fee Submitted:	50 <input checked="" type="checkbox"/> correct () incorrect
Fee Refund \$	_____ Fee Request \$ _____

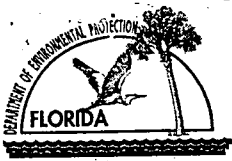
Related Party

Role:	APPLICANT
Name:	Dominic Lafrate
Company:	Angelo's Aggregate
Street:	1755 20th Ave SE
City:	Largo
Zip Code:	33771
Phone:	(727) 581 1544

Distribution Date: _____

Fee Checked By: K Ford

Date: 12/19/01



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

DEP Form # 62-701.900(8)
Form Title <u>Application for Transfer of Permit or Notification of Name Change</u>
Effective Date <u>05-27-01</u>
DEP Application No. _____ (Filled by DEP)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR TRANSFER OF PERMIT OR NOTIFICATION OF NAME CHANGE

GENERAL REQUIREMENT: Permit transfers for Solid Waste Management Facilities shall be permitted in accordance with Florida Administrative Code (F.A.C.) Rule 62-701.320(11). A transfer of permit is required upon the sale or transfer of a facility. A transfer of permit is also required if a new or different person takes ownership or control of the facility. A transfer of permit is not required if the facility or permittee simply changes its name, although the permittee must notify the Department of such a change. Two copies of this form shall be submitted to the Department District Office having jurisdiction over the facility for either the Notification of Name Change or Transfer of Permit.

PART I: GENERAL INFORMATION

To Be Completed by Permittee

Permit No. 177982-002-SO, 177982-002-SC Date Issued: 10/05/01 Date Expires: 10/05/06

Existing Facility Name: Enterprise Recycling and Disposal Facility County: Pasco

Facility Location: North of Enterprise Road, west of Auton Road City: Dade City

Permittee Name: Jon Larkin, Sid Larkin & Son, Inc. Title: President

Mailing address: P.O. Box 1747, Dade City, FL 33526
Street or P.O. Box City State Zip

E-Mail address: _____

PART II. CHECK ALL BOXES THAT APPLY

1. Name of facility or permittee has changed or will change
 2. Real property has been or will be transferred by sale or devise
 3. Control of facility has changed or will change
(e.g., sale of facility; sale of more than 50% of stock; merger where permittee does not survive)
 4. Permit requires financial assurance documentation
- If you checked box 1 above, you must complete Part III below. A Notification of Name Change does not require any Department approval or review.
 - If you checked boxes 2 or 3 above, you must apply for a Transfer of Permit by completing Part IV below. Note that both the current permittee and the proposed new permittee must sign this form. A fee of \$50 shall be submitted with the application for Transfer of Permit by check made payable to the Department of Environmental Protection (DEP).
 - If you checked box 4 above, you must attach documentation to this form indicating that the financial assurance mechanism has been or will be modified to reflect the proposed new name or ownership of the permittee, or an explanation of why no such modification is required.

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

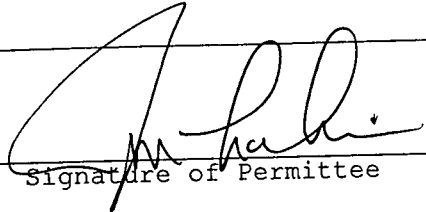
South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

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

PART III NOTIFICATION OF NAME CHANGE

Proposed New Facility Name: _____

Reason for the name change: _____


Signature of Permittee

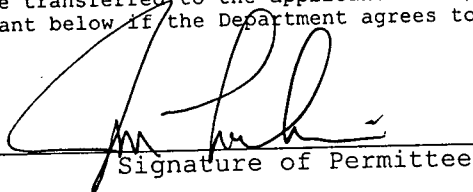
Date: 11-6-01

E-Mail address: _____

PART IV: TRANSFER OF PERMIT

To Be Completed by Current Permittee

The undersigned hereby affirms, under penalty of perjury, that ownership or control of this facility has been or will be transferred to the applicant below, and also agrees to assign his/her rights as permittee to the applicant below if the Department agrees to the transfer of the permit.


Signature of Permittee

Date: 11-6-01

E-Mail address: _____

To Be Completed by Applicant (New Permittee)

New Facility Name (if different): _____

Applicant Name: Dominic Iafrate, Angelo's Aggregate Materials, Ltd. Title: President

Mailing address: 1755 20th Avenue S.E., Largo, FL 33771
Street or P.O. Box City State Zip

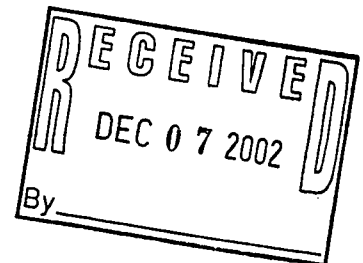
Telephone: (727) 581-1544 E-Mail address: _____

The undersigned hereby affirms, under penalty of perjury, that he/she has or intends to acquire title to or control of this facility; that he/she has examined the application and documents submitted by the current permittee on which the permit was based and states that they accurately and completely describe the permitted activity or project; that he/she is familiar with the permit, agrees to comply with its terms and conditions, and agrees to assume the rights and liabilities set forth in the permit; and that he/she understands that any substantial changes in the design or operation of the facility will require a separate permit modification. He/she also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.


Signature of Applicant*

Date: 11/21/2001

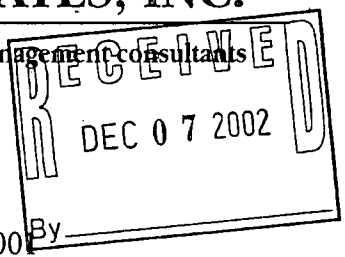
*Attach letter of authorization if other than owner or corporate officer.



Can't locate
Enterprise Financial
file - but new
financial is req'd
prior to issuing
TO.

HARTMAN & ASSOCIATES, INC.

hydrogeologists, surveyors & management consultants



- ASSOCIATES:
- Douglas P. Dufresne, P.G.
 - Jon D. Fox, P.E.
 - James E. Golden, P.G.
 - Troy E. Layton, P.E.
 - Andrew T. Woodcock, P.E.
 - Grant C. Malchow, MBA
 - John P. Toomey, P.E.
 - W. Thomas Roberts, III, P.E.
 - Michael B. Bomar, P.E.
 - Mark A. Gabriel, P.E.
 - George S. Flint, M.P.A.
 - Jennifer L. Woodall, P.E.
 - L. Todd Shaw, P.E.

Susan
THIS IS A TRANSFER
 NO NEW
 CONSTRUCTION
 NO CONSTRUCTION
 AT ALL
 FINANCIAL
 PRIOR TO
 OPERATION
 - WHY NOW?
tm

By _____, 200
 HAI #99-331.01
 Phase 1

12/17 J

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

Bids RD
Susan J 12/17
Any comments?
tm
12/10/01

Subject: Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO

Dear Mr. Ford:

On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. (HAI) is requesting to transfer ownership of the above referenced solid waste permits to Angelo's Aggregate Materials, Ltd. (Angelo's). Attached are a copy of the warranty deed, permit transfer application, and a check in the amount of \$50.00 for the permit fee. Once the transfer is approved, Angelo's will obtain a bond in the amount of the current FDEP approved financial assurance cost estimate.

We trust that this submittal will allow transfer of the permits. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal
 Jennifer L. Deal, E.I.
 Engineer

James E. Golden
 James E. Golden, P.G.
 Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph1/corresp/Ford-1.jld

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
 Dominic Iafrate, Angelo's

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
 TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

PO BOX 1493
LARGO, FL 33779
(727) 581-1544
(727) 586-5676 FAX

KF

ANGELO'S RECYCLED MATERIALS

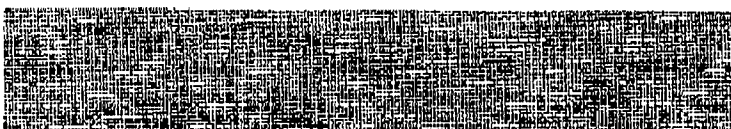
To: Mr. Robert Bitera Fax: 813-744-6125
 From: Diane Pittman Date: 12/17/01
 Re: Authorization Pages: 2
 CC:

Urgent For Review Please Comment Please Reply Please Recycle

HAPPY HOLIDAYS

*Please call if you have
any questions*

*Thanks
DC*



Angelo's AGGREGATE MATERIALS LTD.

dba Angelo's RECYCLED MATERIALS

P.O. Box 1493

Largo, Florida 33779

(727) 581-1544 FAX: (727) 588-5878

December 17, 2001

**Mr. Robert Butera, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619**

**Subject: Authorization for Hartman & Associates, Inc.
Angelo's Aggregate Materials, Ltd.**

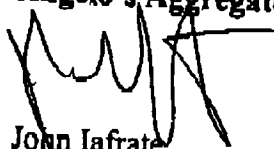
Dear Mr. Butera:

I would like to inform you that we have granted authorization to Hartman & Associates Inc. (HAI) to request permit modifications and expiration extensions on behalf of Angelo's Aggregate Materials, Ltd. (Angelo's) for our facilities in Florida.

Please call me if you have any questions.

Very truly yours,

Angelo's Aggregate Materials, Ltd.



**John Iafrate
President**

cc: James E. Golden, P.G., HAI

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.
Roderick K. Cashe, P.E.
Lawrence E. Jenkins, P.S.M.

Via Certified Mail

Certified Number 7000 1670 0004 9399 2874

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

**Subject: Additional Permit Transfer Fee
Enterprise Recycling & Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO**


Dear Mr. Ford:

Per our conversation on Monday, December 10, 2001, Hartman & Associates, Inc. is submitting the additional \$50.00 permit fee to transfer both of the solid waste permits for the above facility. Also attached is a copy of the original submittal request for reference.

We trust this will allow the transfer of the permits. Please call me if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer

JLD/sas/99-331.01/Ph1/corresp/Ford-2.jld

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
Dominic Iafate, Angelo's

ASSOCIATES:

Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Grant C. Malchow, MBA
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.P.A.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.

December 12, 2001

HAI #99-331.01/Ph 1
File 13.0

D.E.P.

DEC 17 2001
Southwest District Tampa

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

PRINCIPALS:

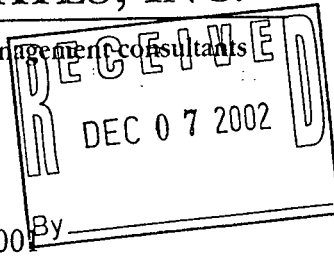
Gerald C. Hartman, P.E., DEE
Harold E. Schmidt, Jr., P.E., DEE
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., MBA
Mark I. Luke, P.S.M.
William D. Musser, P.E.

SENIOR ASSOCIATES:

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

ASSOCIATES:

Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Grant C. Malchow, MBA
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.P.A.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.



December 4, 2002

HAI #99-331.01

Phase 1

Via Certified Mail

Certified Number 7000 1670 0004 9399 2829

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

**Subject: Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO**

Handwritten notes:
Bids
Lisan
Any comments?
Jm
12/10/01


Dear Mr. Ford:


On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. (HAI) is requesting to transfer ownership of the above referenced solid waste permits to Angelo's Aggregate Materials, Ltd. (Angelo's). Attached are a copy of the warranty deed, permit transfer application, and a check in the amount of \$50.00 for the permit fee. Once the transfer is approved, Angelo's will obtain a bond in the amount of the current FDEP approved financial assurance cost estimate.

We trust that this submittal will allow transfer of the permits. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph1/corresp/Ford-1.jld

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
Dominic Iafrate, Angelo's

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Prepared by and return to:
Mandy Baldwin-Luffman
Employee
Johnson, Auvil & Bruck, P.A.
37837 Meridian Avenue Suite 314
Dade City, Florida 33525

File Number: 01-03-47

[Space Above This Line For Recording Date]

Warranty Deed

This Warranty Deed made this 12th day of April, 2001, between Sid Larkin & Son, Inc., a Florida corporation whose post office address is P.O. Box 1747 Dade City, FL 33526, grantor, and Angelo's Aggregate Materials, LTD, a Florida limited partnership whose post office address is 26400 Sherwood, Warren, Michigan 48091, grantees:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Pasco County, Florida to-wit:

The South 1/2 of the SW 1/4 of Section 5 Lying West of the Right-of-Way on Auton Road; And the South 30.0 feet of the NE 1/4 of the SW 1/4 of Section 5, Lying West of the Right-of-Way on Auton Road; Less the East 50.0 feet thereof; And the SW 1/4 of the NW 1/4 of Section 5, all in Section 5, Township 25 South, Range 22 East.

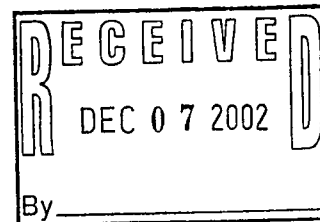
The South 1/2 of the NE 1/4 of Section 6; And the North 1/2 of the SE 1/4 of Section 6; Less the South 281.0 feet of the West 181.0 feet thereof; And the NE 1/2 of the NE 1/4 of the SE 1/4 of the SE 1/4 of Section 6; All in Township 25 South, Range 22 East.

The North 1/2 of the NW 1/4 of Section 8 Lying West of the Right-of-Way on Auton Road; Less the South 25.0 feet thereof; All in Township 25 South, Range 22 East.

All lying in and being in Pasco County, Florida.

Subject to maintained right-of-way on Duck Lake Canal Road

Parcel Identification Number: 05-25-22-0000-00500-0030



Together with all the tenements, hereditaments, easements and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantees that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes and solid waste assessments accruing subsequent to December 31, 2000, zoning and/or restrictions imposed by governmental authority.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

[Handwritten Signature]
 Witness Name: Jon L. Aguirre
[Handwritten Signature]
 Witness Name: Marcy Baldwin-Hoffman

Sid Larkin & Son, Inc.
a Florida corporation

By: *[Handwritten Signature]*
Jon S. Larkin, II
President

[Handwritten] Pres.



(Corporate Seal)

State of Florida
County of Pasco

The foregoing instrument was acknowledged before me this 17th day of April, 2001 by Jon S. Larkin, II, President of Sid Larkin & Son, Inc., a Florida corporation, on behalf of the corporation. He [] is personally known to me or [] has produced a driver's license as identification.

[Notary Seal]

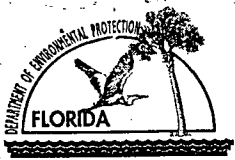
[Handwritten Signature]
Notary Public

Printed Name: Elizabeth A. Baldwin

My Commission Expires: _____



Elizabeth A. Baldwin
MY COMMISSION # CC699381 EXPIRES
November 30, 2001
BONDED THRU TROY FARM INSURANCE INC



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

DEP Form # 62-701.900(8)
Form Title <u>Application for Transfer of Permit or Notification of Name Change</u>
Effective Date <u>05-27-01</u>
DEP Application No. _____ (Filled by DEP)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR TRANSFER OF PERMIT OR NOTIFICATION OF NAME CHANGE

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PART I: GENERAL INFORMATION

To Be Completed by Permittee

Permit No. 177982-002-SO, 177982-002-SC Date Issued: 10/05/01 Date Expires: 10/05/06

Existing Facility Name: Enterprise Recycling and Disposal Facility County: Pasco

Facility Location: North of Enterprise Road, west of Auton Road City: Dade City

Permittee Name: Jon Larkin, Sid Larkin & Son, Inc. Title: President

Mailing address: P.O. Box 1747, Dade City, FL 33526
Street or P.O. Box City State Zip

E-Mail address: _____

PART II. CHECK ALL BOXES THAT APPLY

1. Name of facility or permittee has changed or will change
2. Real property has been or will be transferred by sale or devise
3. Control of facility has changed or will change (e.g., sale of facility; sale of more than 50% of stock; merger where permittee does not survive)
4. Permit requires financial assurance documentation
 - If you checked box 1 above, you must complete Part III below. A Notification of Name Change does not require any Department approval or review.
 - If you checked boxes 2 or 3 above, you must apply for a Transfer of Permit by completing Part IV below. Note that both the current permittee and the proposed new permittee must sign this form. A fee of \$50 shall be submitted with the application for Transfer of Permit by check made payable to the Department of Environmental Protection (DEP).
 - If you checked box 4 above, you must attach documentation to this form indicating that the financial assurance mechanism has been or will be modified to reflect the proposed new name or ownership of the permittee, or an explanation of why no such modification is required.

PART III NOTIFICATION OF NAME CHANGE

Proposed New Facility Name: _____

Reason for the name change: _____

Signature of Permittee

Date: 11-6-01

E-Mail address: _____

PART IV: TRANSFER OF PERMIT

To Be Completed by Current Permittee

The undersigned hereby affirms, under penalty of perjury, that ownership or control of this facility has been or will be transferred to the applicant below, and also agrees to assign his/her rights as permittee to the applicant below if the Department agrees to the transfer of the permit.

Signature of Permittee

Date: 11-6-01

E-Mail address: _____

To Be Completed by Applicant (New Permittee)

New Facility Name (if different): _____

Applicant Name: Dominic Iafrate, Angelo's Aggregate Materials, Ltd. Title: President

Mailing address: 1755 20th Avenue S.E., Largo, FL 33771
Street or P.O. Box City State Zip

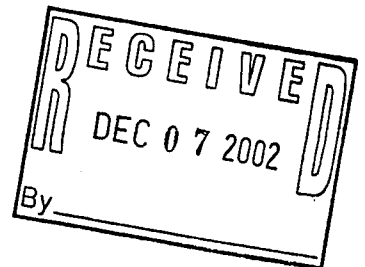
Telephone: (727)581-1544 E-Mail address: _____

The undersigned hereby affirms, under penalty of perjury, that he/she has or intends to acquire title to or control of this facility; that he/she has examined the application and documents submitted by the current permittee on which the permit was based and states that they accurately and completely describe the permitted activity or project; that he/she is familiar with the permit, agrees to comply with its terms and conditions, and agrees to assume the rights and liabilities set forth in the permit; and that he/she understands that any substantial changes in the design or operation of the facility will require a separate permit modification. He/she also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.

Signature of Applicant*

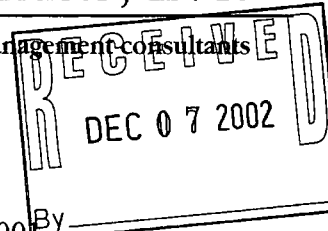
Date: 11/21/2001

*Attach letter of authorization if other than owner or corporate officer.



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants



December 4, 2001

HAI #99-331.01
Phase 1

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.
Roderick K. Cashe, P.E.
Lawrence E. Jenkins, P.S.M.

ASSOCIATES:

Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Grant C. Malchow, MBA
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.P.A.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.

Via Certified Mail

Certified Number 7000 1670 0004 9399 2829

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

**Subject: Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO**

*Bob RB
Susan 12/17
Any comments?
Jm
12/10/01*

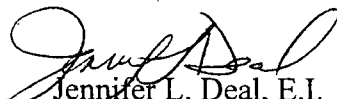
Dear Mr. Ford:


On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. (HAI) is requesting to transfer ownership of the above referenced solid waste permits to Angelo's Aggregate Materials, Ltd. (Angelo's). Attached are a copy of the warranty deed, permit transfer application, and a check in the amount of \$50.00 for the permit fee. Once the transfer is approved, Angelo's will obtain a bond in the amount of the current FDEP approved financial assurance cost estimate.

We trust that this submittal will allow transfer of the permits. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph1/corresp/Ford-1.jld

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
Dominic Iafrate, Angelo's

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Prepared by and return to:

Mandy Baldwin-Luffman

Employee

Johnson, Auvil & Brock, P.A.

37837 Meridian Avenue Suite 314

Dade City, Florida 33525

File Number: 01-03-47

[Space Above This Line for Recording Data]

Warranty Deed

This Warranty Deed made this 12th day of April, 2001, between Sid Larkin & Son, Inc., a Florida corporation whose post office address is P.O. Box 1747 Dade City, FL 33526, grantor, and Angelo's Aggregate Materials, LTD, a Florida limited partnership whose post office address is 26400 Sherwood, Warren, Michigan 48091, grantees;

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Pasco County, Florida to-wit:

The South 1/2 of the SW 1/4 of Section 5 Lying West of the Right-of-Way on Auton Road; And the South 30.0 feet of the NE 1/4 of the SW 1/4 of Section 5, Lying West of the Right-of-Way on Auton Road; Less the East 50.0 feet thereof; And the SW 1/4 of the NW 1/4 of Section 5, all in Section 5, Township 25 South, Range 22 East.

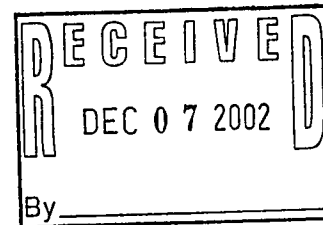
The South 1/2 of the NE 1/4 of Section 6; And the North 1/2 of the SE 1/4 of Section 6; Less the South 281.0 feet of the West 181.0 feet thereof; And the NE 1/2 of the NE 1/4 of the SE 1/4 of the SE 1/4 of Section 6; All in Township 25 South, Range 22 East.

The North 1/2 of the NW 1/4 of Section 8 Lying West of the Right-of-Way on Auton Road; Less the South 25.0 feet thereof; All in Township 25 South, Range 22 East.

All lying in and being in Pasco County, Florida.

Subject to maintained right-of-way on Duck Lake Canal Road

Parcel Identification Number: 05-25-22-0000-00500-0030



Together with all the tenements, hereditments, easements and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantees that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes and solid waste assessments accruing subsequent to December 31, 2000, zoning and/or restrictions imposed by governmental authority.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Jon L. Griffin
Witness Name: Jon L. Griffin
Marcy Baldwin
Witness Name: Marcy Baldwin

Sid Larkin & Son, Inc.
a Florida corporation
By: Jon S. Larkin II Pres.
Jon S. Larkin, II
President
(Corporate Seal)

State of Florida
County of Pasco

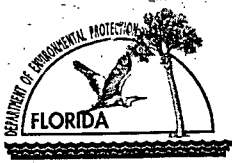
The foregoing instrument was acknowledged before me this 11th day of April, 2001 by Jon S. Larkin, II, President of Sid Larkin & Son, Inc., a Florida corporation, on behalf of the corporation. He is personally known to me or has produced a driver's license as identification.

[Notary Seal]

Elizabeth A. Baldwin
Notary Public
Printed Name: Elizabeth A. Baldwin
My Commission Expires: _____



Elizabeth A. Baldwin
MY COMMISSION # CC699381 EXPIRES
November 30, 2001
BONDED THROUGH TROY FAIR INSURANCE, INC.



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

DEP Form # 62-701.900(8)
Form Title <u>Application for Transfer of Permit or Notification of Name Change</u>
Effective Date <u>05-27-01</u>
DEP Application No. _____ (Filled by DEP)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR TRANSFER OF PERMIT OR NOTIFICATION OF NAME CHANGE

GENERAL REQUIREMENT: Permit transfers for Solid Waste Management Facilities shall be permitted in accordance with Florida Administrative Code (F.A.C.) Rule 62-701.320(11). A transfer of permit is required upon the sale or transfer of a facility. A transfer of permit is also required if a new or different person takes ownership or control of the facility. A transfer of permit is not required if the facility or permittee simply changes its name, although the permittee must notify the Department of such a change. Two copies of this form shall be submitted to the Department District Office having jurisdiction over the facility for either the Notification of Name Change or Transfer of Permit.

PART I: GENERAL INFORMATION

To Be Completed by Permittee

Permit No. 177982-002-SO, 177982-002-SC Date Issued: 10/05/01 Date Expires: 10/05/06

Existing Facility Name: Enterprise Recycling and Disposal Facility County: Pasco

Facility Location: North of Enterprise Road, west of Auton Road City: Dade City

Permittee Name: Jon Larkin, Sid Larkin & Son, Inc. Title: President

Mailing address: P.O. Box 1747, Dade City, FL 33526
Street or P.O. Box City State Zip

E-Mail address: _____

PART II. CHECK ALL BOXES THAT APPLY

1. Name of facility or permittee has changed or will change
2. Real property has been or will be transferred by sale or devise
3. Control of facility has changed or will change
(e.g., sale of facility; sale of more than 50% of stock; merger where permittee does not survive)
4. Permit requires financial assurance documentation
 - If you checked box 1 above, you must complete Part III below. A Notification of Name Change does not require any Department approval or review.
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 - If you checked box 4 above, you must attach documentation to this form indicating that the financial assurance mechanism has been or will be modified to reflect the proposed new name or ownership of the permittee, or an explanation of why no such modification is required.

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

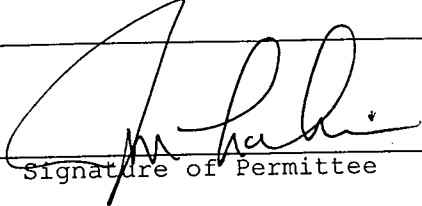
South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

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

PART III NOTIFICATION OF NAME CHANGE

Proposed New Facility Name: _____

Reason for the name change: _____


Signature of Permittee

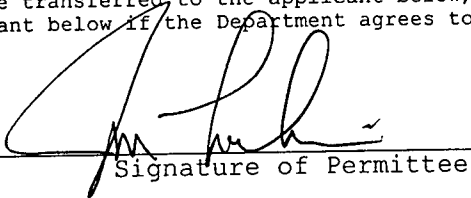
Date: 11-6-01

E-Mail address: _____

PART IV: TRANSFER OF PERMIT

To Be Completed by Current Permittee

The undersigned hereby affirms, under penalty of perjury, that ownership or control of this facility has been or will be transferred to the applicant below, and also agrees to assign his/her rights as permittee to the applicant below if the Department agrees to the transfer of the permit.


Signature of Permittee

Date: 11-6-01

E-Mail address: _____

To Be Completed by Applicant (New Permittee)

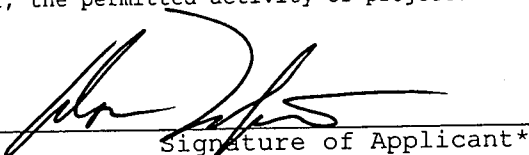
New Facility Name (if different): _____

Applicant Name: Dominic Iafrate, Angelo's Aggregate Materials, Ltd. Title: President

Mailing address: 1755 20th Avenue S.E., Largo, FL 33771
Street or P.O. Box City State Zip

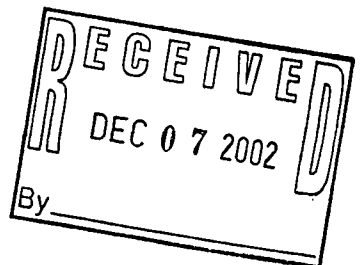
Telephone: (727)581-1544 E-Mail address: _____

The undersigned hereby affirms, under penalty of perjury, that he/she has or intends to acquire title to or control of this facility; that he/she has examined the application and documents submitted by the current permittee on which the permit was based and states that they accurately and completely describe the permitted activity or project; that he/she is familiar with the permit, agrees to comply with its terms and conditions, and agrees to assume the rights and liabilities set forth in the permit; and that he/she understands that any substantial changes in the design or operation of the facility will require a separate permit modification. He/she also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.


Signature of Applicant*

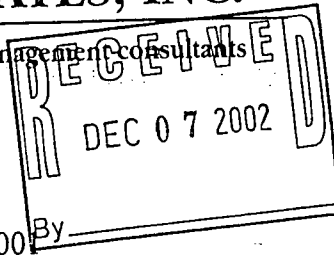
Date: 11/21/2001

*Attach letter of authorization if other than owner or corporate officer.



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants



ASSOCIATES:

Douglas P. Duffresne, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Grant C. Malchow, M.B.A.
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Flint, M.B.A.
Jennifer L. Woodall, P.E.
L. Todd Shaw, P.E.

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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.
Roderick K. Cashe, P.E.
Lawrence E. Jenkins, P.S.M.

December 4, 2002

HAI #99-331.01
Phase 1

Via Certified Mail

Certified Number 7000 1670 0004 9399 2829

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

**Subject: Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Pasco County, Florida
Permit Nos. 177982-001-SC, 177982-002-SO**

Bob
Susan
Any comments?
Jm
12/10/01

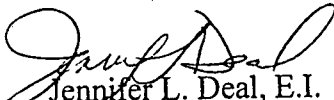
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We trust that this submittal will allow transfer of the permits. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph1/corresp/Ford-1.jld

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
Dominic Iafrate, Angelo's

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Prepared by and return to:
Mandy Baldwin-Luffman

Employee
Johnson, Avvil & Brock, P.A.
37837 Meridian Avenue Suite 314
Dade City, Florida 33525

File Number: 01-03-47

[Space Above This Line for Recording Date]

Warranty Deed

This Warranty Deed made this 12th day of April, 2001, between Sid Larkin & Son, Inc., a Florida corporation whose post office address is P.O. Box 1747 Dade City, FL 33526, grantor, and Angelo's Aggregate Materials, LTD, a Florida limited partnership whose post office address is 26400 Sherwood, Warren, Michigan 48091, grantee;

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Pasco County, Florida to-wit:

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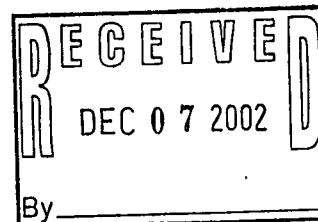
The South 1/2 of the NE 1/4 of Section 6; And the North 1/2 of the SE 1/4 of Section 6; Less the South 281.0 feet of the West 181.0 feet thereof; And the NE 1/2 of the NE 1/4 of the SE 1/4 of the SE 1/4 of Section 6; All in Township 25 South, Range 22 East.

The North 1/2 of the NW 1/4 of Section 8 Lying West of the Right-of-Way on Auton Road; Less the South 25.0 feet thereof; All in Township 25 South, Range 22 East.

All lying in and being in Pasco County, Florida.

Subject to maintained right-of-way on Duck Lake Canal Road

Parcel Identification Number: 05-25-22-0000-00500-0030



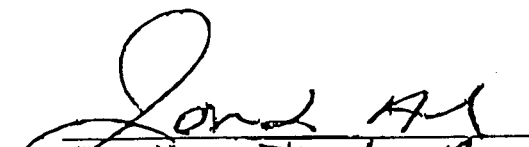
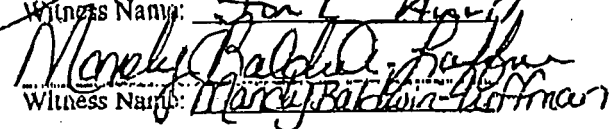
Together with all the tenements, hereditaments, easements and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

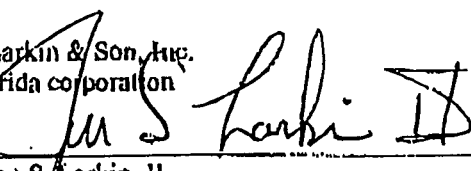
And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes and solid waste assessments accruing subsequent to December 31, 2000, zoning and/or restrictions imposed by governmental authority.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:


 Witness Name: Jon L. April

 Witness Name: Nancy Baldwin-Hoffman

Sid Larkin & Son, Inc.
a Florida corporation

By: 
Jon S. Larkin, II
President

Res.

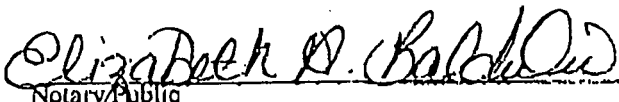
(Corporate Seal)



State of Florida
County of Pasco

The foregoing instrument was acknowledged before me this 11th day of April, 2001 by Jon S. Larkin, II, President of Sid Larkin & Son, Inc., a Florida corporation, on behalf of the corporation. He is personally known to me or has produced a driver's license as identification.

[Notary Seal]


Notary Public

Printed Name: Elizabeth A. Baldwin

My Commission Expires: _____



Elizabeth A. Baldwin
MY COMMISSION # CC699381 EXPIRES
November 30, 2001
BONDED THRU TROY FAIR INSURANCE, INC



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

DEP Form # 62-701.900(8)
Form Title <u>Application for Transfer of Permit or</u>
Notification of Name Change
Effective Date <u>05-27-01</u>
DEP Application No. _____ (Filled by DEP)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR TRANSFER OF PERMIT OR NOTIFICATION OF NAME CHANGE

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PART I: GENERAL INFORMATION

To Be Completed by Permittee

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Facility Location: North of Enterprise Road, west of Auton Road City: Dade City

Permittee Name: Jon Larkin, Sid Larkin & Son, Inc. Title: President

Mailing address: P.O. Box 1747, Dade City, FL 33526
Street or P.O. Box City State Zip

E-Mail address: _____

PART II. CHECK ALL BOXES THAT APPLY

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2. Real property has been or will be transferred by sale or devise
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(e.g., sale of facility; sale of more than 50% of stock; merger where permittee does not survive)
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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

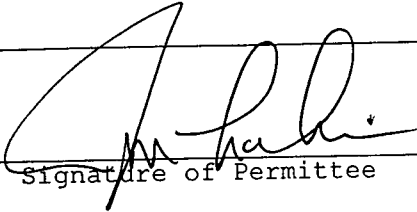
South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

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

PART III NOTIFICATION OF NAME CHANGE

Proposed New Facility Name: _____

Reason for the name change: _____


Signature of Permittee

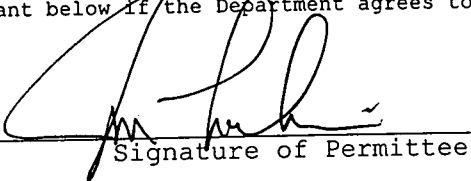
Date: 11-6-01

E-Mail address: _____

PART IV: TRANSFER OF PERMIT

To Be Completed by Current Permittee

The undersigned hereby affirms, under penalty of perjury, that ownership or control of this facility has been or will be transferred to the applicant below, and also agrees to assign his/her rights as permittee to the applicant below if the Department agrees to the transfer of the permit.


Signature of Permittee

Date: 11-6-01

E-Mail address: _____

To Be Completed by Applicant (New Permittee)

New Facility Name (if different): _____

Applicant Name: Dominic Iafrate, Angelo's Aggregate Materials, Ltd. Title: President

Mailing address: 1755 20th Avenue S.E., Largo, FL 33771
Street or P.O. Box City State Zip

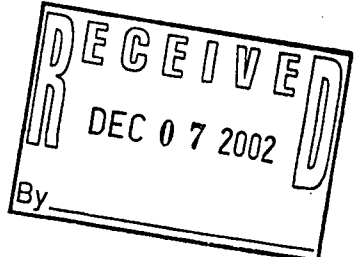
Telephone: (727) 581-1544 E-Mail address: _____

The undersigned hereby affirms, under penalty of perjury, that he/she has or intends to acquire title to or control of this facility; that he/she has examined the application and documents submitted by the current permittee on which the permit was based and states that they accurately and completely describe the permitted activity or project; that he/she is familiar with the permit, agrees to comply with its terms and conditions, and agrees to assume the rights and liabilities set forth in the permit; and that he/she understands that any substantial changes in the design or operation of the facility will require a separate permit modification. He/she also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.


Signature of Applicant*

Date: 11/21/2001

*Attach letter of authorization if other than owner or corporate officer.



28765

HARTMAN & ASSOCIATES, INC.
PHONE (407) 839-3955
201 E. PINE STREET, SUITE 1000
ORLANDO, FL 32801

SOUTHTRUST BANK
ORLANDO, FL 32801
63-1384/631 - 1

November 30, 2001

PAY TO THE ORDER OF Florida Department of Enviro Protection
Fifty and 00/100 Dollars

\$ 50.00

DOLLARS

Florida Department of Enviro Protection
3804 Coconut Palm Drive
Tampa FL 33619

MEMO _____

Grant C. Malchow MP

⑈028765⑈ ⑆063113840⑆ 64 171 926⑈

© 1984 - 2000 INTUIT, INC. # B72 1-800-433-8610

SW
check
10/7/01

Ford, Kim

From: Ford, Kim
Sent: Tuesday, October 09, 2001 3:37 PM
To: Butera, Robert
Subject: RE: PA Problem - Date of Publication/Date of Receipt of Publication

I looked at both the records and do not see the connection to the due date for issuance. The District has to issue the permit within 90 days from the date of a complete application, excluding the time the clock stops when the intent is sent to the applicant until 14 days after the receipt of proof of publication. In these records, the clock would start again on October 1 (being 14 days after the date published). However, proof of publication was not received until October 1 and if not issued by October 14 (the latest date to issue because the intent was sent on day 90 leaving no extra days) the permit should default on October 15. The District may issue the permit anytime at least 14 days after September 17 (the date of publication) being as early as October 1, or no more than 14 days after October 1 being as late as October 14. Therefore, October 1 is not in anyway a Due Date but is still shown as a due date in the records. Can or should the Due Date to issue the final permit be changed to October 14 to accurately represent the due date without any date for receipt of proof of publication identified anywhere on the record?

-----Original Message-----

From: Frohock, Linda
Sent: Tuesday, October 09, 2001 10:13 AM
To: Butera, Robert
Cc: Ford, Kim
Subject: RE: PA Problem - Date of Publication/Date of Receipt of Publication

Sesh Palagadu of BIS and I went over this today. Sesh stressed that the new web PA functions like the old PA---the business rules are the same. We think what happened here is when Kim entered a Date of Publication of 17-SEP-2001, it then triggered the event Issue Final Permit with a 14 day processing period and a default end date of 01-OCT-2001. However, Kim could have changed the default date of 01-OCT-2001 to 05-OCT-2001. Processors have that capability, not just supervisors. The default end date of 01-OCT-2001 comes up because the business rules for generic PA template do not allow you to issue the final permit until at least 14 days after the 17-SEP-2001 Date of Publication. But, you can issue it more than 14 days after, which is what you did on 05-OCT-2001. Sesh and I were able to enter a Date of Publication of 17-SEP-2001 and a Issue Final Permit date of 05-OCT-2001.

Please take a look at both of these records and see if they look ok to you.

Let me know if you have any questions.

Linda

-----Original Message-----

From: Butera, Robert
Sent: Friday, October 05, 2001 12:41 PM
To: Frohock, Linda
Cc: Ford, Kim
Subject: PA Problem - Date of Publication/Date of Receipt of Publication

The District has issued a permit today (October 5, 2001) for the Enterprise Class III Landfill. Kim Ford, the permitting engineer, is not being allowed to enter the issue date until 14 days from today in PA. The applicant published on September 17, 2001 and the Department was in receipt of the proof of publication on October 1, 2001. My understanding is the clock stops from the time of publication until the date of receipt of publication. Any date after the 14 day petitioning period PA should allow the Department to enter the issue date.

When Kim inserted the actually date of publication (September 17, 2001) the permit would have defaulted on October 1, 2001.

As you are aware the Department has no control as to the date the applicant publishes but if the receipt is received any date after 14 days of the publication date the permit must be issued within 90 days exclusive of the time transpiring between the date of publication and the date of receipt of publication.

PA should be modified to include both the Date of Publication and the Date of Proof of Publication (AT TIME

OF ISSUE) similar to the .l date listing for Notice of Application and Receipt of the Proof of Notice of Application. Your assistance on this matter is sincerely appreciated. Kim will be faxing you copies of documentation for the above. Thanks in advance.

Ford, Kim

From: Frohock, Linda
Sent: Tuesday, October 09, 2001 10:13 AM
To: Butera, Robert
Cc: Ford, Kim
Subject: RE: PA Problem - Date of Publication/Date of Receipt of Publication

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Linda

-----Original Message-----

From: Butera, Robert
Sent: Friday, October 05, 2001 12:41 PM
To: Frohock, Linda
Cc: Ford, Kim
Subject: PA Problem - Date of Publication/Date of Receipt of Publication

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Ford, Kim

From: Frohock, Linda
Sent: Tuesday, October 09, 2001 8:48 AM
To: Paladugu, Sesh; Butera, Robert; Ford, Kim; Rouse, Robert
Subject: RE: PA Problem - Date of Publication/Date of Receipt of Publication

I did not. How about Bob and Kim?

Linda Frohock
Government Analyst II
Division of Waste Management
Department of Environmental Protection
(850) 488-9943
linda.frohock@dep.state.fl.us

-----Original Message-----

From: Paladugu, Sesh
Sent: Tuesday, October 09, 2001 8:47 AM
To: Frohock, Linda; Butera, Robert; Ford, Kim; Rouse, Robert
Subject: RE: PA Problem - Date of Publication/Date of Receipt of Publication

When the Status of the Permitting Event 'Issue Final Permit' is changed to 'Issue' before the 14 day period, a message saying "Cannot issue Permit until waiting period is over!" is displayed on the screen. Did you see that message?

Please let us know.

Thanks,

Sesh

> -----Original Message-----

> **From:** Frohock, Linda
> **Sent:** Monday, October 08, 2001 3:46 PM
> **To:** Butera, Robert; Ford, Kim; Rouse, Robert; Paladugu, Sesh
> **Subject:** FW: PA Problem - Date of Publication/Date of
> Receipt of Publication

>

> Robert and Sesh,

> See reported problem with generic Web PA below. To deal with
> this problem today, I modified the 14 days to process for the
> event Issue Final Permit to 30 days so I could enter a Issue
> Final Permit date of 05-Oct-2001.

>

> Do you concur that PA should be modified to fix the problem
> noted below? Please advise.

>

> Did this for 2 permits - 177982-001 and -002

>

> Linda Frohock
> Government Analyst II
> Division of Waste Management
> Department of Environmental Protection
> (850) 488-9943
> linda.frohock@dep.state.fl.us

>

> -----Original Message-----

> **From:** Butera, Robert
> **Sent:** Friday, October 05, 2001 12:41 PM
> **To:** Frohock, Linda

> **Cc:** Ford, Kim
> **Subject:** PA Problem - Date of Publication/Date of
> Receipt of Publication
>
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> the Enterprise Class III Landfill. Kim Ford, the permitting
> engineer, is not being allowed to enter the issue date until
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>
> PA should be modified to include both the Date of Publication
> and the Date of Proof of Publication (AT TIME OF ISSUE)
> similar to the dual date listing for Notice of Application
> and the Receipt of the Proof of Notice of Application. Your
> assistance on this matter is
> sincerely appreciated. Kim will be faxing you copies of
> documentation for the above. Thanks in advance.

PERMIT #177982-002-50

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- 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.

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:

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

4a. Article Number

7099 3400 00019756 888

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

7. Date of Delivery

10-10-01

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

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

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

U.S. Postal Service
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

7099 3400 0001 9756 8282

Article Sent To:

Sid Larkin + Son, Inc

Postage \$

Certified Fee

Return Receipt Fee (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$

10-05-01

Postmark Here

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

Jon Larkin

Street, Apt. No., or PO Box No.

P O Box 1747

City, State, ZIP+4

Dade City, FL 33526

PS Form 3800, July 1999

See Reverse for Instructions

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 •

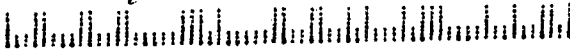
State of Florida
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

D.E.P.

OCT 11 2001

Southwest District Tampa

Kim Ford, Solid Waste



65 63



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

October 5, 2001

CERTIFIED MAIL 7099 3400 0001 9758 8282
RETURN RECEIPT REQUESTED

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

NOTICE OF PERMIT

Mr. Larkin:

Enclosed is Permit Number 177982-002-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Any party to the Order (permit) 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, 2600 Blair Stone Road, Tallahassee, 32399-2400; 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 Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab

cc: Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa (permit notebook)
Richard Tedder, P.E., FDEP Tallahassee
Fred Wick, FDEP Tallahassee

"More Protection, Less Process"

Printed on recycled paper.

Sid Larkin & Son, Inc.
c/o Mr. Jon Larkin
Permit No.: 177982-002-SO

October 5, 2001
Page Two

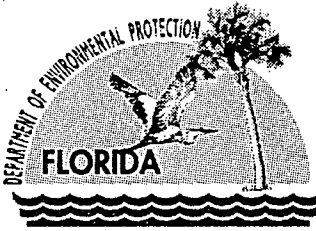
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on Oct. 5, 2001 to the listed persons.

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

Anna Black
Clerk

10-05-2001
Date



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: 10-05-2001
Expiration Date: 10-05-2006
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

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.

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: Sid Larkin & Son, Inc.

PERMIT NO.: 7982-002-SO
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.

SPECIFIC CONDITIONS:

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 operation, monitoring activities, and maintenance 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).

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. **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.

7. **Certification of Construction Completeness.** Within **sixty (60) days** after the specified construction has been completed, and prior to operation/acceptance of waste into each new disposal area (cell), the activities described in the current construction permit shall be completed.

8. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. 62-701.300(8), 62-701.520 and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means solid wastes that can require special handling and management, including asbestos. This disposal site shall meet the requirements of 40 CFR Part 61.154.

SPECIFIC CONDITIONS:

9. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with F.A.C. 62-701.500 - Landfill Operation Requirements, the Site Plans, and the Operations Plan, and any other applicable requirements.

b. All waste debris or materials (except clean concrete and clean wood) shall be unloaded inside the designated disposal area.

c. Litter shall be collected outside the active disposal area at least once daily on operating days.

d. Waste debris shall be spread and compacted daily on normal operating days.

e. In the event of equipment breakdown or scheduled maintenance, the permittee shall ensure that sufficient reserve equipment is operating at the site within 72 hours of the occurrence or the facility shut down.

f. If the facility has reached its permitted capacity for any area, the permittee shall not accept additional waste debris or materials until sufficient capacity has been restored.

10. Operation Plan and Operating Record. 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. The Department shall be notified of changes to the operational plan. The plan shall be updated as operations change and for renewal of the permit.

11. Sequence of Filling.

a. A maximum of four (4) disposal areas (cells) shall be open at any time, as shown on the site plans, subject to proof of financial assurance. All disposal areas shall be closed in accordance with Rule 62-701.600, F.A.C.

b. The sequence of filling shall be in accordance with the sequences described in the Operations Plan and as shown on Figures 3-17 (Sequence 1), 3-18 (Sequence 2), and the related cross-sections (Figures 3-24, 3-25, 3-26 and 3-27), or as otherwise approved in writing by the Department.

c. Setback areas, the location of stormwater management system features (i.e. DRAs, ponds and swales), and disposal area (Cell) boundaries shall be clearly marked prior to disposal of waste in each disposal area (Cell). The permittee shall use markers which are of a size or design that effectively prevents unauthorized disposal in these areas. These markers shall be maintained at all times throughout the operation of the facility to prevent waste disposal in unauthorized areas.

SPECIFIC CONDITIONS:

d. At least **annually**, or more frequently if necessary, elevations of the active disposal area (cell) shall be recorded to ensure that the slopes and grades are in accordance with the approved plans. This information shall be maintained at the facility, and copies provided to the Department upon request.

e. At least **annually**, the owner or operator shall prepare an estimate of the remaining life and capacity (in cubic yards) of the permitted and constructed disposal areas (cells) and the remaining life and capacity of areas which have not been constructed. These estimates shall be supported by a topographic survey and calculations, which are signed and sealed by a professional engineer or land surveyor, as appropriate. The annual capacity estimate, supporting calculations and topographic survey shall be submitted **annually by April 1st of each year.**

12. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill and at least one trained spotter shall be at the working face at all times when the landfill receives waste. The permittee shall notify the Department in writing of a change of the primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Copies of the training certificates for the newly assigned individual shall also be submitted.

13. **Waste Records.** Waste quantity records shall be compiled monthly as described by F.A.C. 62-701.500(4) and made available to the Department upon request.

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

15. **Waste Debris and Material Management and Storage.**

a. Unauthorized wastes shall be handled, stored and removed from the site as described in the Section 5.0 of the Operations Plan.

b. Materials shall be stored as described in the Section 5.0 of the Operations Plan.

c. Recyclable clean wood shall not include wood which has been treated (e.g. creosote, pressure-treated, CCA, etc.) or painted.

d. Clean wood separated for recycling shall be processed and reused or disposed within six months of receipt, unless otherwise approved in writing by the Department.

e. The owner or operator shall remove from the site, 75% of all stored materials each year, for recycling or disposal, unless otherwise approved in writing by the Department.

f. All Class I waste shall be stored in containers and shall be disposed of at least once each week, or more often if necessary.

SPECIFIC CONDITIONS:

16. **Monitoring of Waste.** Wastes shall be monitored as required by F.A.C. 62-701.500(6) including a load checking program and associated activities. This landfill is limited to construction and demolition debris, and Class III wastes including regulated asbestos-containing materials (RACM). **Bags of RACM accepted for disposal shall remain sealed.**

a. Each load of RACM arriving at the facility shall be accompanied by a completed Waste Shipment Record (WSR) in accordance with 40 CFR 61.150, on a form similar to Figure 4. attached and containing all the information required therein. Each trailer's identification number shall be written on each WSR for each load. Each load shall be inspected to insure that it is properly bagged, that bags are intact and properly sealed, and that the required warning labels and generator labels are affixed. In addition, a minimum of three loads each week shall be randomly selected by the inspector to discharge their loads at a designated area for detailed inspection for compliance with 40 CFR 61.150 and 29 CFR 1926.1101(k)(8).

b. The permittee shall not knowingly accept hazardous waste or any hazardous substance for disposal at this site. Hazardous waste is a waste identified in Chapter 62-730, F.A.C. 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 F.A.C. 62-701.300(4) and 62-701.500(6)(b).

17. **Waste Handling Requirements.** All solid waste disposed of in the Class III area shall be covered as required by F.A.C. 62-701.500(7), 62-701.520, and 40 CFR 61, Subpart M, 61.154.

a. Initial cover shall be applied and maintained in accordance with 62-701.500(7)(e) so as to protect the public health and welfare. All RACM disposed of in the Class III area shall be covered with at least 6 inches of compacted earth at the end of each working day. All other solid waste disposed of in the Class III area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department, at the end of each work week.

b. Intermediate cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(f). An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion at all landfills if final cover or an additional lift is not to be applied within 180 days of cell completion.

SPECIFIC CONDITIONS:

18. **Working Face.** As required by F.A.C. 62-701.500(7)(d), the permittee shall minimize the size of the working face to minimize the 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.

19. **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.

20. **Gas Monitoring.**

a. Landfill gas shall be monitored in accordance with the Operations Plan, Section 10.1, prepared by Hartman & Associates, and as required by F.A.C. 62-701.530. Gas monitoring probes GP-9, GP-10, GP-11, GP-12, GP-13 and GP-14 shall be installed prior to operation and acceptance of waste. The remaining gas monitoring probes shall be installed prior to operation and acceptance of waste as part of Sequence 3.

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

Quarter 1	April 15th
Quarter 2	July 15th
Quarter 3	October 15th
Quarter 4	January 15th

c. The installed gas monitoring points shown on Figure 3-13 (attached) prepared by Hartman & Associates shall be sampled at least **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. 62-701.530(2)(c). The Gas Contingency Plan shall be implemented in accordance with the Operations Plan, Section 10.1.2, prepared by Hartman & Associates, if the methane levels are detected above 5% of the LEL. All gas migration wells (monitoring probes) are to be clearly labeled and easily visible at all times.

d. If the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off the landfill site, or greater than 100% at the property boundary, the owner shall immediately take all necessary steps to ensure protection of human health and notify the Department, and submit to the Department **within 7 days** a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

21. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13).

SPECIFIC CONDITIONS:

22. **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.

23. **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.

24. **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.

25. **Financial Assurance.** The permittee shall provide financial assurance for the facility in accordance with F.A.C. 62-701.630.

a. The financial assurance mechanism shall be initially established and appropriately funded for each new disposal area (Cell), at least sixty (60) days prior to acceptance of waste for disposal into the new disposal area (Cell).

b. All costs for closure shall be adjusted and submitted **annually, by March 1st each year** to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

c. 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.

26. **Water Quality Requirements.** The landfill shall be designed, constructed, operated, maintained, closed, and monitored throughout its design period to control the movement of waste and waste constituents into the environment so that ground water and surface water quality standards and criteria of Chapters 62-302 and 62-520, F.A.C., will not be violated beyond the zone of discharge specified for the landfill.

27. **Zone of Discharge.**

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

SPECIFIC CONDITIONS:

b. The permittee shall ensure that the water quality standards 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.

28. **Water Quality Monitoring Quality Assurance.**

a. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms possessing a Quality Assurance Plan (QAP) approved by the Department to meet the requirements of Chapter 62-160, F.A.C. The QAP must specifically address the types of sampling and analytical work that are required by this permit. The QAP shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted when the sampling or analytical entities change. Documentation shall include a copy of the approval letter regarding the QAP.

b. The field testing, sample collection, sample preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with 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.

29. **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. As it has been indicated that there is no planned discharge of surface waters at the site, routine surface water sampling and analysis has not been required. However, in the event that a surface water discharge should occur, monitoring is required in accordance with Rule 62-701.510(4), F.A.C. Notification of surface water discharge shall be provided to the Solid Waste Section of the Department's Southwest District office on the day of discharge, and the discharged water shall be sampled for the parameters listed in Rule 62-701.510(8)(b), F.A.C. Results of surface water analyses shall be submitted to the Department's Southwest District office **within 60 days of discharge**.

b. 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 established for the individual parameters to demonstrate compliance with Class III (predominantly fresh water) surface water criteria presented in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

SPECIFIC CONDITIONS:

30. **Ground Water Monitor Well Locations.** The ground water monitor wells shall be located as shown on Figure 15, titled "Proposed Monitor Well Location Map" prepared by Hartman & Associates, Inc., received April 4, 2001 (attached), as follows:

Well No.	WACS Testsite No.	Aquifer	Designation	Location
MW-1*+	19566	Surficial	Background	See Figure 15
MW-1A*	19567	Surficial	Background	↓
MW-1B	19568	Floridan	Background	↓
MW-2A*	19569	Surficial	Detection	↓
MW-2B*	19570	Floridan	Detection	↓
MW-3*	19571	Surficial	Detection	↓
MW-4*	19572	Surficial	Detection	↓
MW-5A*	19573	Surficial	Detection	↓
MW-5B*	19574	Floridan	Detection	↓
MW-6*	19575	Surficial	Detection	↓
MW-7A*	19576	Surficial	Detection	↓
MW-7B	19577	Floridan	Detection	↓
MW-8*	19578	Surficial	Detection	↓
MW-9*	19579	Surficial	Detection	↓
MW-10*	19580	Surficial	Detection	↓
MW-11*	19581	Surficial	Detection	↓
MW-12A*	19582	Surficial	Detection	↓
MW-12B*	19583	Floridan	Detection	↓
MW-13*	19584	Surficial	Detection	↓
MW-14*	19585	Surficial	Background	↓

* To be installed and developed in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be completed **at least 30 days prior to disposal of waste in the corresponding cell(s)**. Well construction details referenced in Specific Condition No. 33.C. shall be provided to the Department **within 90 days of well installation and development**.

+ To be abandoned **at least 30 days prior to construction of Cell 8**.

The surficial aquifer wells are intended to be completed in the sandy, silty, and clayey sediments overlying the first confining unit; the Floridan aquifer wells are intended to be completed in the uppermost limestone sediments encountered below the first confining unit. Under no circumstances shall the screened intervals of any of these monitor wells be open to sediments of both the surficial and Floridan aquifers, and the annular space shall be sealed to prevent the movement of ground water across the first confining unit. The top of the screened interval in each surficial aquifer monitor well shall be set above the wet season water table surface.

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:

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

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
P-2	Surficial	Piezometer	See Figure 15
P-4	Surficial	Piezometer	↓
P-6	Surficial/Floridan	Piezometer	↓
P-7	Surficial	Piezometer	↓
P-8	Floridan	Piezometer	↓
P-10	Floridan	Piezometer	↓
P-11	Floridan	Piezometer	↓

All piezometers are to be clearly labeled and easily visible at all times. The permittee should keep all piezometers locked to minimize unauthorized access.

32. **Groundwater 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 less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-522, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. An initial sampling event at each of the wells listed in Specific Condition No. 30 shall be conducted for the parameters listed in Rule 62-701.510(8)(a) and (8)(d), F.A.C. The initial sampling events shall be conducted **within 7 days of well installation and development** in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be conducted prior to disposal of waste in the corresponding cell(s). The laboratory results for the initial sampling events shall be reported to the Department **within 90 days of sample collection.**

b. Following completion of the initial sampling event, the wells listed in Specific Condition No. 30 shall be sampled **semi-annually** for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>
Static water levels	Total ammonia - N
before purging	Chlorides
Specific conductivity	Iron
pH	Mercury
Dissolved oxygen	Nitrate
Temperature	Sodium
Turbidity	Total dissolved solids(TDS)
Colors & sheens	<u>Those parameters listed in 40 CFR</u>
(by observation)	<u>Part 258, Appendix I</u>

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. 30), the permittee shall request and receive Department approval of a minor permit modification.

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.

SPECIFIC CONDITIONS:

34. **Well and Piezometer Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan are to 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 a written report to the Department within 90 days of well abandonment documenting verification of the well abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

35. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 30 days after the sampling data is received 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 representative of current 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.

36. **Water Quality Reporting Requirements.** All 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 results of ground water quality analyses by **January 15th and July 15th of each year.** Each report shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded.

37. **Report Submittals.** All reports for compliance with this permit shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

38. **Water Quality Monitoring Plan Evaluation.** By October 1, 2003, and no later than April 1, 2006, 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>
October 1, 2003	Initial sampling	First Half 2003
April 1, 2006	Second Half 2003	Second Half 2005

SPECIFIC CONDITIONS:

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.

39. **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.

40. **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 (including dry or damaged wells), 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.

41. **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.

42. **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.

43. **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.

PERMITTEE: Sid Larkin & Son, Inc.

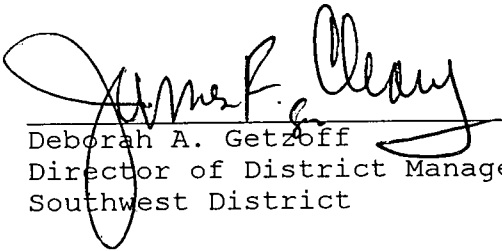
PERMIT NO.: 17982-002-SO
Enterprise Class III Landfill

SPECIFIC CONDITIONS:

44. **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



Deborah A. Getzoff
Director of District Management
Southwest District

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
6.	Annually, by April 1st	Submit construction schedule and progress report
11.e.	Annually, by April 1st	Capacity estimate and survey
20.	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Submit Gas Monitoring Reports
25.b.	Annually, by March 1st	Submit revised cost estimates
25.c.	Annually, by	Submit proof of funding
32.b.	Every 6 months	Ground water wells sampled/analyzed
36.	Semi-annually, by January 15th and July 15th	Submit ground water quality results
38.	By Oct. 2, 2003 and Apr. 1, 2006	Submit Water quality monitoring plan evaluation

Generator	1. Work site name and mailing address		Owner's name	Owner's telephone no.
	2. Operator's name and address			Operator's telephone no.
	3. Waste disposal site (WDS) name, mailing address, and physical site location			WDS phone no.
	4. Name, and address of responsible agency			
	5. Description of materials		6. Containers No. Type	7. Total quantity m^3 (yd ³)
	8. Special handling instructions and additional information			
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
	Printed/typed name & title		Signature	Month Day Year
	10. Transporter 1 (Acknowledgment of receipt of materials)			
Transporter	Printed/typed name & title		Signature	Month Day Year
	Address and telephone no.			
	11. Transporter 2 (Acknowledgment of receipt of materials)			
	Printed/typed name & title		Signature	Month Day Year
Address and telephone no.				
Disposal Site	12. Discrepancy indication space			
	13. Waste disposal site owner or operators: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
	Printed/typed name & title		Signature	Month Day Year

(Continued)

Figure 4. Waste Shipment Record

INSTRUCTIONS

Waste Generator Section (Items 1-9)

1. Enter the name of the facility at which asbestos waste is generated and the address where the facility is located. In the appropriate spaces, also enter the name of the owner of the facility and the owner's phone number.
2. If a demolition or renovation, enter the name and address of the company and authorized agent responsible for performing the asbestos removal. In the appropriate spaces, also enter the phone number of the operator.
3. Enter the name, address, and physical site location of the waste disposal site (WDS) that will be receiving the asbestos materials. In the appropriate spaces, also enter the phone number of the WDS. Enter "on-site" if the waste will be disposed of on the generator's property.
4. Provide the name and address of the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program.
5. Indicate the types of asbestos waste materials generated. If from a demolition or renovation, indicate the amount of asbestos that is
 - Friable asbestos material
 - Nonfriable asbestos material
6. Enter the number of containers used to transport the asbestos materials listed in item 5. Also enter one of the following container codes used in transporting each type of asbestos material (specify any other type of container used if not listed below):
 - DM - Metal drums, barrels
 - DP - Plastic drums, barrels
 - BA - 6 mil plastic bags or wrapping
7. Enter the quantities of each type of asbestos material removed in units of cubic meters (cubic yards).
8. Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate waste disposal site is designated, note it here. Emergency response telephone numbers or similar information may be included here.
9. The authorized agent of the waste generator must read and then sign and date this certification. The date is the date of receipt by transporter.

NOTE: The waste generator must retain a copy of this form.

(continued)

Figure 4. Waste Shipment Record

Transporter Section (Items 10 & 11)

10. & 11. Enter name, address, and telephone number of each transporter used, if applicable. Print or type the full name and title of person accepting responsibility and acknowledging receipt of materials as listed on this waste shipment record for transport. Enter date of receipt and signature.

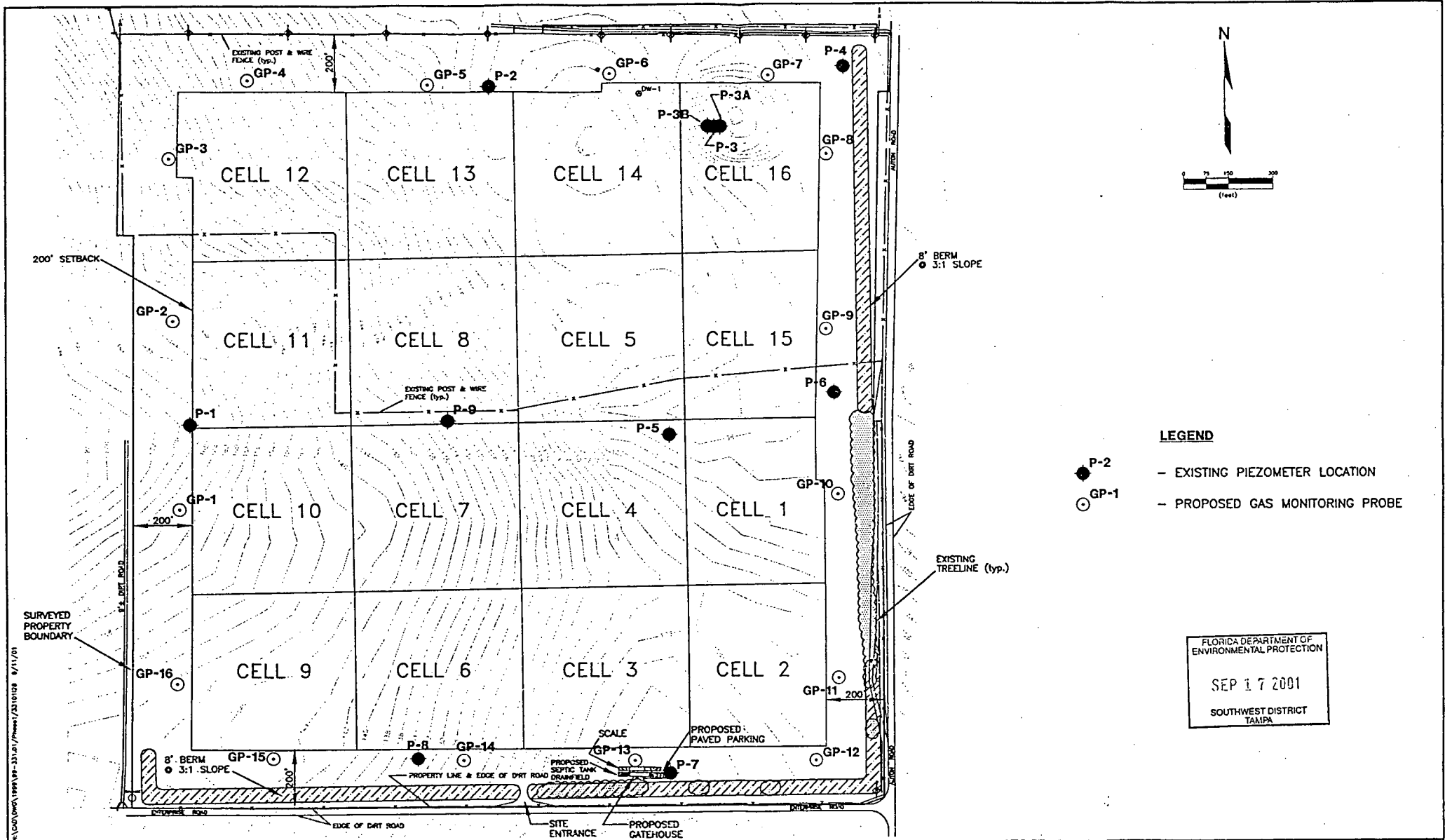
NOTE: The transporter must retain a copy of this form.

Disposal Site Section (Items 12 & 13)

12. The authorized representative of the WOS must note in this space any discrepancy between waste described on this manifest and waste actually received as well as any improperly enclosed or contained waste. Any rejected materials should be listed and destination of those materials provided. A site that converts asbestos-containing waste material to nonasbestos material is considered a WOS.
13. The signature (by hand) of the authorized WOS agent indicates acceptance and agreement with statements on this manifest except as noted in item 12. The date is the date of signature and receipt of shipment.

NOTE: The WOS must retain a completed copy of this form. The WOS must also send a completed copy to the operator listed in item 2.

Figure 4. Waste Shipment Record.



- LEGEND**
- P-2 - EXISTING PIEZOMETER LOCATION
 - GP-1 - PROPOSED GAS MONITORING PROBE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 SEP 17 2001
 SOUTHWEST DISTRICT TAMPA

H:\LAD\DWG\1998\98-331.dwg / P:\moss\23101028 8/11/01

HARTMAN & ASSOCIATES, INC.
 engineers, hydrogeologists, surveyors & management consultants
 201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
 TELEPHONE (407) 838-3655 - FAX (407) 838-3790

PROPOSED GAS MONITORING PROBE LOCATION MAP
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3-13

DEP Form # <u>62-522.900(2)</u>
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

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

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
 () Compliance
 () Other

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

* Attach Laboratory Reports

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. _____ (Filed 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: _____

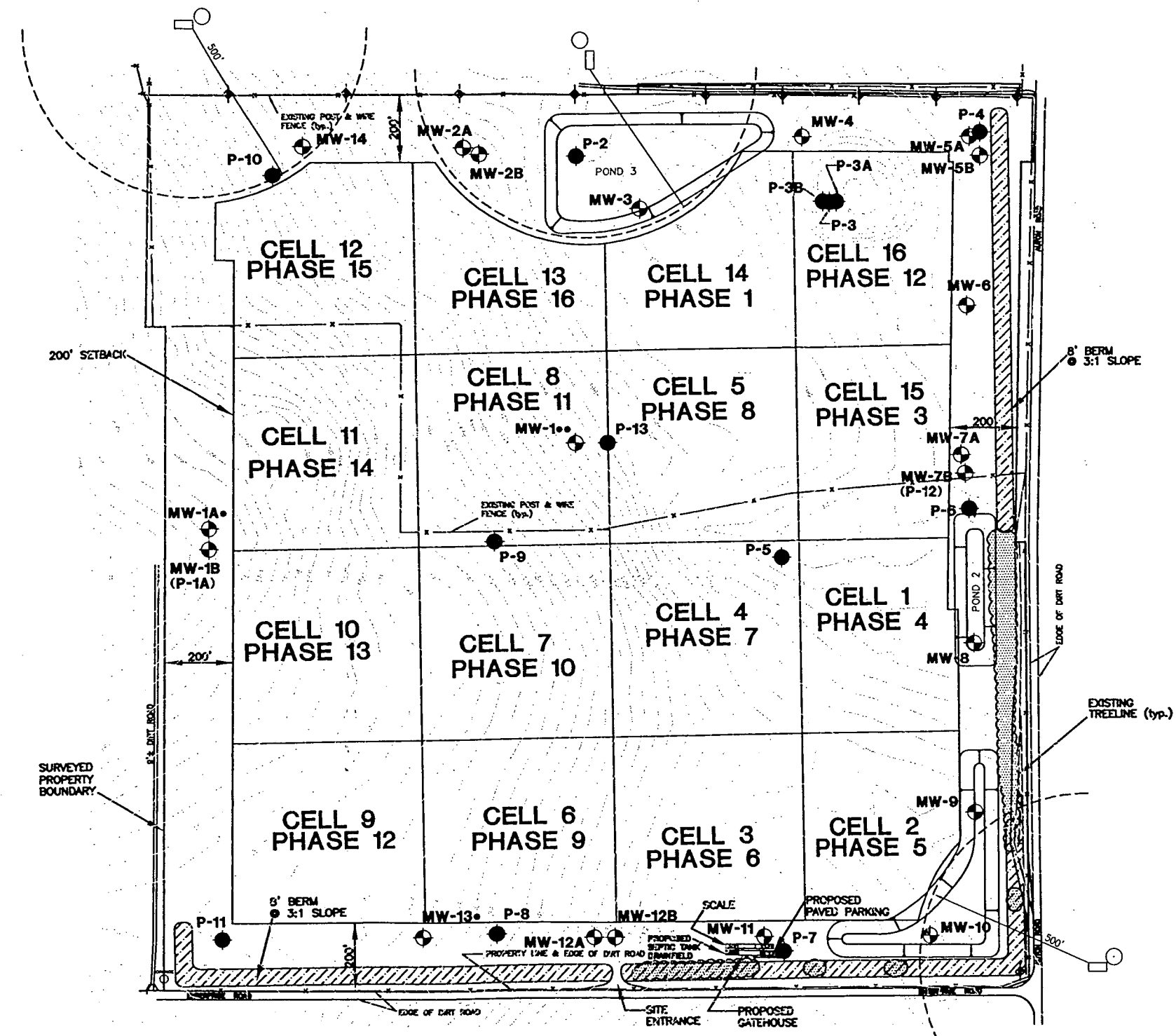
REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)







NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 APR 04 2001
 SOUTHWEST DISTRICT TAMPA



LEGEND

-  MW-2 - PROPOSED SURFICIAL AQUIFER DETECTION MONITOR WELL LOCATION
-  MW-1B - PROPOSED FLORIDAN AQUIFER DETECTION MONITOR WELL LOCATION
-  P-2 - EXISTING PIEZOMETER LOCATION
-  - PRIVATE POTABLE WELL LOCATION
-  MW-13 - PERIODIC DRY SURFICIAL AQUIFER MONITOR WELL LOCATION
-  MW-1 - BACKGROUND SURFICIAL AQUIFER MONITOR WELL TO BE ABANDONED PRIOR TO CELL 8 LANDFILLING

R:\C\19989-331\01\PHASES\33101136 4/2/01

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: DEBORAH A. GETZOFF, Director of District Management

FROM/THROUGH:

William Kutash ENVIRONMENTAL ADMINISTRATOR
Bob Butera SUPERVISOR
Kim Ford ENGINEER

DATE: 10/1/01

FILE NAME: Enterprise Class III Landfill PERMIT #: 177982-001-SC and 177982-002-SO
PROGRAM : Solid Waste COUNTY : Pasco

TYPE OF PERMIT ACTION: ISSUE DENY MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? YES PETITION FILED? NO

PERMIT SUMMARY: These permits are to allow the construction and subsequent operation of a Class III landfill in accordance with the new permits in compliance with new rules. Site plans demonstrate each disposal area will be constructed and closed in sequence and the facility will be operated in compliance with the requirements for temporary storage of other wastes, operations, training, water quality monitoring, financial assurance, closure and long-term care.

PROFESSIONAL RECOMMENDATION: APPROVE DENY

EVALUATION SUMMARY: The application and fees were received on November 20 and December 12, 2000. Two deficiency letters were sent, and the responses received on March 23, April 4, May 21, June 1, June 21, and July 30, 2001. Revised Engineering Report, site plans and Operations Plan were received on June 21, 2001.

The application (including both construction and operation) was deemed complete on June 1, 2001. (Rather than writing a 3rd letter requesting the same information, the applicant was notified in writing by the Department on June 29th that the application was deemed complete in an effort to expedite the permitting process with the understanding that if the issues were not resolved then the pending permits would be denied.)

Department Processing Time = 181 days (as of October 1, 2001)
Total Processing Time (TIH) = 293 days (as of October 1, 2001)
Published on September 17, 2001
Proof of Publication received on October 1, 2001

Day 90/30 for this Action is October 14, 2001.

Florida Department of
Environmental Protection

Memorandum

PERMIT COVER MEMO

TO: **DEBORAH A. GETZOFF, Director of District Management**

FROM/THROUGH:

William Kutash ENVIRONMENTAL ADMINISTRATOR

for Bob Butera 8/29/01 SUPERVISOR

Kim Ford 8/29/01 ENGINEER

DATE: 8/29/01

FILE NAME: Enterprise Class III Landfill PERMIT #: 177982-001-SC and 177982-002-SO

PROGRAM : Solid Waste COUNTY : Pasco

TYPE OF PERMIT ACTION: ISSUE DENY MODIFY
 TRANSFER OWNER NOD
 PUBLIC NOTICE INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? PETITION FILED?

PERMIT SUMMARY: These permits are to allow the construction and subsequent operation of a Class III landfill in accordance with the new permits in compliance with new rules. Site plans demonstrate each disposal area will be constructed and closed in sequence and the facility will be operated in compliance with the requirements for temporary storage of other wastes, operations, training, water quality monitoring, financial assurance, closure and long-term care.

PROFESSIONAL RECOMMENDATION: APPROVE DENY

EVALUATION SUMMARY: The application and fees were received on November 20 and December 12, 2000. Two deficiency letters were sent, and the responses received on March 23, April 4, May 21, June 1, June 21, and July 30, 2001. Revised Engineering Report, site plans and Operations Plan were received on June 21, 2001.

The application (including both construction and operation) was deemed complete on **June 1, 2001**. (Rather than writing a 3rd letter requesting the same information, the applicant was notified in writing by the Department on June 29th that the application was deemed complete in an effort to expedite the permitting process with the understanding that if the issues were not resolved then the pending permits would be denied.)

Department Processing Time = 147 days (as of August 28, 2001)
Total Processing Time (TIH) = 259 days (as of August 28, 2001)

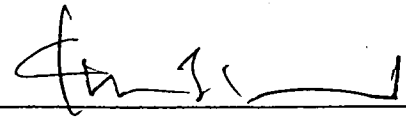
Day 90/30 for this Action is August 30, 2001.

CERTIFICATION

Application No.

177982-001-SC AND 177982-002-30
ENTERPRISE CLASS III LANDFILL

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide / ~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title ⁶²27. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical and structural features).



(Signed)

8/29/01

(Date)

(Seal)

Events Scheduled

1 of 90

Site #: 0177982 Name: ENTERPRISE CLASS III LANDFILL
 Permit #: 0177982-002-SO Type/Subtype: SO /T3 Received: 12-DEC-2000
 Project #: 002 Name: ENTERPRISE CLASS III LANDFILL

> STOP CLOCK: Done

Event	Begin Date	Prd	Due Date	Rmn	Status	End Date
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
STOP CLOCK	30-AUG-2001	1	31-AUG-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
STOP CLOCK	30-AUG-2001	1	31-AUG-2001		Done	30-AUG-2001

At last record.

Count: *17

<List><Replace>

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 #:002 Received:12-DEC-2000 CRA#:81748
 Permit Office: SWD (DISTRICT) Agency Action: Pending
 Project Name: ENTERPRISE_CLASS_III_LANDFILL Desc:
 Type/Sub/Des: SO /T3 SANI. LANDFILL_CLASS_III COE #:
 Logged: 13-DEC-2000 Issued: Expires: OGC:
 Fee: 4000.00 Fee Recd: 4000.00 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 Project Name.
 Count: *1 <Replace>

AREA: SWD _____

Cash Receiving Application
Collection Point Log Remittance

Tot: _____ CRAF006A
\$10,000.00

-----+-----

SYS\$REMT: 408549 Type: CP Recved Date: 12-DEC-2000 Status: RECEIVED
 SYS\$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/	Fund	S
SYS\$PAYT	Area..	Code/Description.....	Amount.....					T
430969	SWD	002244 SOLID_WASTE-CON	\$6,000.00	177982-001	PA	PFTF	CO	CO
430970	SWD	002245 SOLID_WASTE-OPE	\$4,000.00	177982-002	PA	PFTF	CO	CO
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____

-----+-----

COMMIT FREQUENTLY \$10,000.00 Payment total

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

Count: *1

<Replace>

Ford, Kim

From: Butera, Robert
Sent: Friday, October 05, 2001 12:41 PM
To: Frohock, Linda
Cc: Ford, Kim
Subject: PA Problem - Date of Publication/Date of Receipt of Publication

The District has issued a permit today (October 5, 2001) for the Enterprise Class III Landfill. Kim Ford, the permitting engineer, is not being allowed to enter the issue date until 14 days from today in PA. The applicant published on September 17, 2001 and the Department was in receipt of the proof of publication on October 1, 2001. My understanding is the clock stops from the time of publication until the date of receipt of publication. Any date after the 14 day petitioning period PA should allow the Department to enter the issue date.

When Kim inserted the actually date of publication (September 17, 2001) the permit would have defaulted on October 1, 2001.

As you are aware the Department has no control as to the date the applicant publishes but if the receipt is received any date after 14 days of the publication date the permit must be issued within 90 days exclusive of the time transpiring between the date of publication and the date of receipt of publication.

PA should be modified to include both the Date of Publication and the Date of Proof of Publication (AT TIME OF ISSUE) similar to the dual date listing for Notice of Application and the Receipt of the Proof of Notice of Application. Your assistance on this matter is sincerely appreciated. Kim will be faxing you copies of documentation for the above. Thanks in advance.

**** Transmit Conf. Report ****

P.1

Oct 5 2001 14:03

Telephone Number	Mode	Start	Time	Pages	Result	Note
(001) TAL-WASTE/AD	NORMAL	5,14:01	2'17"	6	* O K	



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318**

FAX

Date: 10/5/01
Number of pages including cover sheet: 6

TO: <u>LINDA FROHOC</u>	FROM: <u>BOB BUTERA</u> <u>Funford</u>
PHONE:	PHONE: (813) 744-6100, <u>x451 or 382</u>
FAX #:	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent, <input checked="" type="checkbox"/> For your review, <input checked="" type="checkbox"/> Reply ASAP, <input type="checkbox"/> Please comment	
<u>2 PERMITS ISSUED -</u>	
<u>CANNOT UPDATE PA</u>	
<u>See E-MAIL FROM BOB BUTERA</u>	

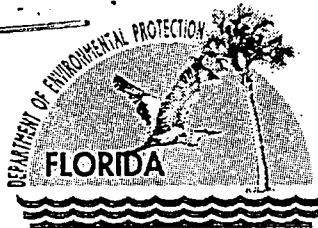


**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-8318**

FAX

Date: 10/5/01
Number of pages including cover sheet: 6

TO: <u>LINDA FROTHOC</u>	FROM: <u>BOB BUTERA</u> <u>Funford</u>
PHONE:	PHONE: (813) 744-6100, <u>x451 or 382</u>
FAX #:	FAX #: (813) 744-6125
CC:	
REMARKS: <input type="checkbox"/> Urgent <input checked="" type="checkbox"/> For your review <input checked="" type="checkbox"/> Reply ASAP <input type="checkbox"/> Please comment	
<u>2 PERMITS ISSUED -</u>	
<u>CANNOT UPDATE PA</u>	
<u>See E-MAIL FROM BOB BUTERA,</u>	



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: 10-05-2001

Expiration Date: 10-05-2006

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

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:

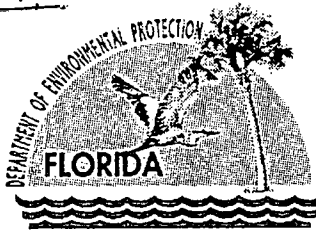
To operate a Class III Landfill, subject to the specific and general conditions attached, located north of Enterprise Road and west of Auton Road, southeast of Dade City, Pasco County, Florida. The specific conditions attached are for the operation of:

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: 10-05-2001

Expiration Date: 10-05-2006

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

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.

Events Scheduled

Site #: 0177982 Name: ENTERPRISE CLASS III LANDFILL
 Permit #: Type/Subtype: SO /T3 Received: 12-DEC-2000
 Project #: 002 Name: ENTERPRISE CLASS III LANDFILL

> Issue Final Permit: Pending

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	01-OCT-2001
Issue Fina	01-OCT-2001	14	15-OCT-2001	12	Pending	
STOP CLOCK	30-AUG-2001	1	31-AUG-2001		Done	30-AUG-2001
Publish Notice of	13-DEC-2000	14	27-DEC-2000		Done	17-DEC-2000
Return Proof of P	17-DEC-2000	21	07-JAN-2001		Received	02-JAN-2001

Count: *16

<List><Replace>

Events Scheduled

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

> Issue Final Permit: Pending

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	01-OCT-2001
Issue Fina	01-OCT-2001	14	15-OCT-2001	10	Pending	
STOP CLOCK	30-AUG-2001	1	31-AUG-2001		Done	30-AUG-2001
Publish Notice of	13-DEC-2000	14	27-DEC-2000		Done	17-DEC-2000
Return Proof of P	17-DEC-2000	21	07-JAN-2001		Received	02-JAN-2001

Count: *16

<List><Replace>

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:

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

September 28, 2001

HAI #99-331.01
Phase 1
File 12.0

D.E.P.
OCT 01 2001
Southwest District Tampa

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.

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

PASCO TIMES

An Edition of the St. Petersburg Times

Published Daily

Port Richey, Pasco County, Florida

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

OCT 01 2001

SOUTHWEST DISTRICT TAMPA

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 THRU 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-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 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



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & 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

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. Hymaning, P.E., MBA
Mark J. Luker, P.E.M.
William D. Musser, P.E.

SENIOR ASSOCIATES:

C. Zachary Fuller, P.E.
Marco M. Rossi, C.M.C.
J. Richard Voorhees, P.E., DEE
Rodrick K. Cash, P.E.
Lawrence E. Jenkins, P.E.M.

September 28, 2001

HAI #99-331.01

Phase 1

File 12.0

ASSOCIATES:

Douglas R. Dufrene, P.G.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Andrew T. Woodcock, P.E.
Daryl G. Walk, P.E.
Cecil C. Malchow, M.H.A.
John P. Torney, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.
Mark A. Gabriel, P.E.
George S. Fitt, M.P.A.
Stephen J. Rapp, P.E.
Jennifer L. Whodall, 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.

201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

391287848

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 33524, 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 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's 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; (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 20-5.207, 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

10/1/01

SPECIFIC CONDITIONS:

Kim - CHANGES TO ENTERPRISE OPERATING PERMIT AS NOTED JKM

30. **Ground Water Monitor Well Locations.** The ground water monitor wells shall be located as shown on Figure 15, titled "Proposed Monitor Well Location Map" prepared by Hartman & Associates, Inc., received April 4, 2001 (attached), as follows:

Well No.	WACS Testsite No.	Aquifer	Designation	Location
MW-1*+	XXXXX 19566	Surficial	Background	See Figure 15
MW-1A*	XXXXX 19567	Surficial	Background	↓
MW-1B	XXXXX 19568	Floridan	Background	↓
MW-2A*	XXXXX 19569	Surficial	Detection	↓
MW-2B*	XXXXX 19570	Floridan	Detection	↓
MW-3*	XXXXX 19571	Surficial	Detection	↓
MW-4*	XXXXX 19572	Surficial	Detection	↓
MW-5A*	XXXXX 19573	Surficial	Detection	↓
MW-5B*	XXXXX 19574	Floridan	Detection	↓
MW-6*	XXXXX 19575	Surficial	Detection	↓
MW-7A*	XXXXX 19576	Surficial	Detection	↓
MW-7B	XXXXX 19577	Floridan	Detection	↓
MW-8*	XXXXX 19578	Surficial	Detection	↓
MW-9*	XXXXX 19579	Surficial	Detection	↓
MW-10*	XXXXX 19580	Surficial	Detection	↓
MW-11*	XXXXX 19581	Surficial	Detection	↓
MW-12A*	XXXXX 19582	Surficial	Detection	↓
MW-12B*	XXXXX 19583	Floridan	Detection	↓
MW-13*	XXXXX 19584	Surficial	Detection	↓
MW-14*	XXXXX 19585	Surficial	Background	↓

* To be installed and developed in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be completed at least 30 days prior to disposal of waste in the corresponding cell(s). Well construction details referenced in Specific Condition No. 33.C. shall be provided to the Department within 90 days of well installation and development.

+ To be abandoned at least 30 days prior to construction of Cell 8.

The surficial aquifer wells are intended to be completed in the sandy, silty, and clayey sediments overlying the first confining unit; the Floridan aquifer wells are intended to be completed in the uppermost limestone sediments encountered below the first confining unit. Under no circumstances shall the screened intervals of any of these monitor wells be open to sediments of both the surficial and Floridan aquifers, and the annular space shall be sealed to prevent the movement of ground water across the first confining unit. The top of the screened interval in each surficial aquifer monitor well shall be set above the wet season water table surface.

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

HARMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790

LETTER OF TRANSMITTAL

RECEIVED
SEP 17 2001
Department of Environmental Protection
SOUTHWEST DISTRICT

TO FDEP
3804 Coconut Palm Drive
Tampa, FL 33619

DATE	9/12/01	JOB NO.	1031.01
ATTENTION	Kim Ford		
RE:	Figure 3-13, Enterprise RDE		

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings Prints Plans Reports Specifications
 Copy of letter Change order _____

COPIES	DATE	NO.	DESCRIPTION
1			Figure 3-13

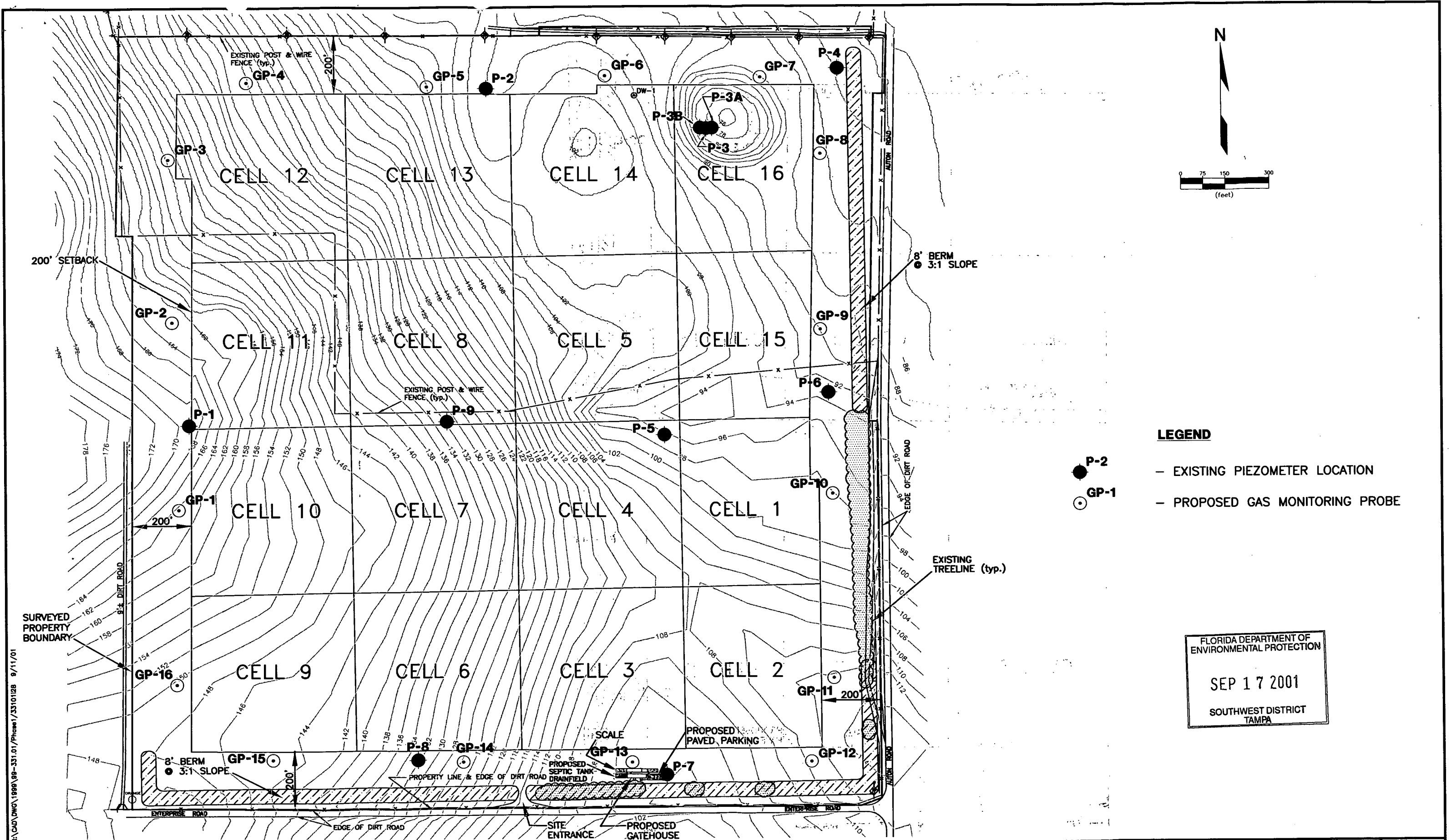
THESE ARE TRANSMITTED as checked below:

- 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 and comment _____
 FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

The figure has been revised, as discussed.

COPY TO _____ SIGNED [Signature]



- LEGEND**
- P-2 - EXISTING PIEZOMETER LOCATION
 - GP-1 - PROPOSED GAS MONITORING PROBE

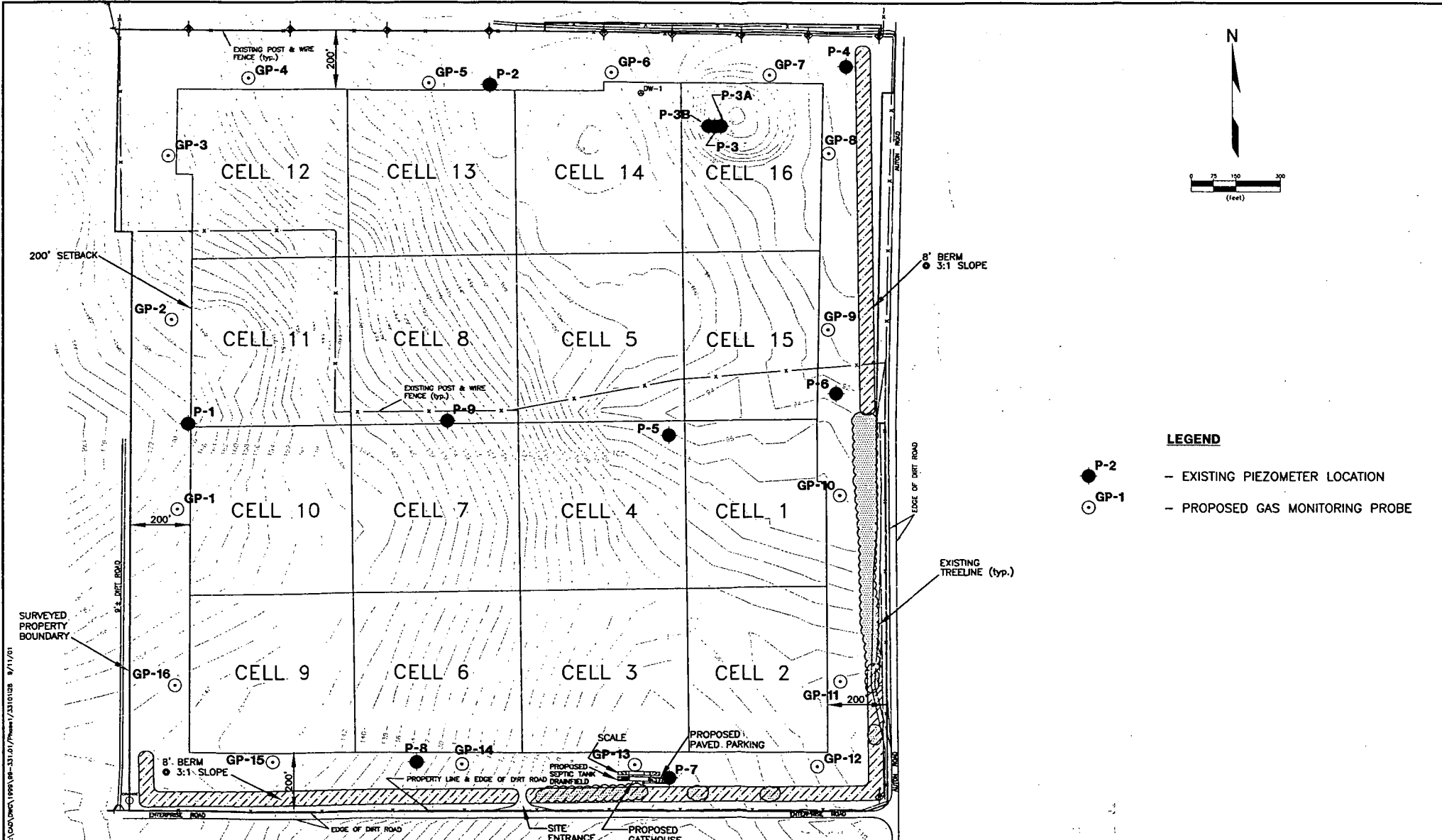
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 SEP 17 2001
 SOUTHWEST DISTRICT
 TAMPA

N:\CAD\DWG\1998\98-331.01/Phase1/33101128 9/11/01

RECEIVED

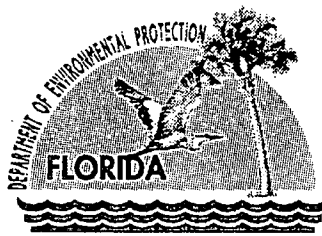
SEP 17 2001

Department of Environmental Protection
BY SOUTHWEST DISTRICT



- LEGEND**
- P-2 - EXISTING PIEZOMETER LOCATION
 - ⊙ GP-1 - PROPOSED GAS MONITORING PROBE

H:\CAD\DWG\1998\198-331.dwg/Platmap/3310128 8/11/01



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

Mr. Jon Larkin
Sid Larkin & Son, Inc.
P.O. Box 1747
Dade City, Fl. 33526

September 12, 2001

RE: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Pending Permit No.: 177982-001-SC, Pasco County

Dear Mr. Larkin:

This letter is to acknowledge receipt of the inflation-adjusted cost estimates dated August 31, 2001 (received September 7, 2001), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received September 7, 2001 (total closing \$577,465 and \$95,018/year x 30 years = \$2,850,543 total long-term care), are **APPROVED for 2001**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. Due to recent revisions of Rule 62-701.630, F.A.C., the next annual update (revised or inflation-adjusted estimates) is due no later than March 1, 2002.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp
cc:

James E. Golden, P.G. and Roderick Cashe, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000,
Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa

"More Protection, Less Process"

Printed on recycled paper.

**** Transmit Conf. Report ****

P.1

Sep 12 2001 11:20

Telephone Number	Mode	Start	Time	Pages	Result	Note
814078392066	NORMAL	12:11:19	0'45"	3	# O K	

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	3804 Coconut Palm Drive Tampa, FL 33619-8318
--	---

FAX

Date: 9/12/01
 Number of pages including cover sheet: 3

To: Jennifer Dean
Hal...
 Phone: _____
 Fax phone: 407 8392066
 CC: _____

From: km
 Phone: (813) 744-6100 x 382
 Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

ENTERPRISE
IA OK PLS ADVISE

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 Coconut Ln Drive Tampa, FL 33619-8318

FAX

Date: 9/12/01
Number of pages including cover sheet: 3

To:

JENNIFER DEAN

HALLOWAY

Phone:

Fax phone:

407 8392066

CC:

From:

km

Phone:

(813) 744-6100 x 382

Fax phone:

(813) 744-6125

REMARKS:

Urgent

For your review

Reply ASAP

Please comment

Enterprise
If OK pls advise

SPECIFIC CONDITIONS:

DRAFT

d. At least **annually**, or more frequently if necessary, elevations of the active disposal area (cell) shall be recorded to ensure that the slopes and grades are in accordance with the approved plans. This information shall be maintained at the facility, and copies provided to the Department upon request.

e. At least **annually**, the owner or operator shall prepare an estimate of the remaining life and capacity (in cubic yards) of the permitted and constructed disposal areas (cells) and the remaining life and capacity of areas which have not been constructed. These estimates shall be supported by a topographic survey and calculations, which are signed and sealed by a professional engineer or land surveyor, as appropriate. The annual capacity estimate, supporting calculations and topographic survey shall be submitted **annually by April 1st of each year.**

12. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill and at least one trained spotter shall be at the working face at all times when the landfill receives waste. The permittee shall notify the Department in writing of a change of the primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Copies of the training certificates for the newly assigned individual shall also be submitted.

13. **Waste Records.** Waste quantity records shall be compiled monthly as described by F.A.C. 62-701.500(4) and made available to the Department upon request.

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

15. **Waste Debris and Material Management and Storage.**

a. Unauthorized wastes shall be handled, stored and removed from the site as described in the Section 5.0 of the Operations Plan.

b. Materials shall be stored as described in the Section 5.0 of the Operations Plan.

c. Recyclable clean wood shall not include wood which has been treated (e.g. creosote, pressure-treated, CCA, etc.) or painted.

d. Clean wood separated for recycling shall be processed and reused or disposed within six months of receipt, unless otherwise approved in writing by the Department.

e. The owner or operator shall remove from the site, 75% of all stored materials each year, for recycling or disposal, unless otherwise approved in writing by the Department.

f. All Class I waste shall be stored in containers and shall be disposed of at least once each week, or more often if necessary.

DRAFT

(94) "Processed tire" means a tire that has been treated mechanically, chemically, or thermally so that the resulting material is a marketable product or is suitable for proper disposal.

(95) "Processing" means any technique designed to change the physical, chemical, or biological character or composition of any solid waste so as to render it safe for transport; amenable to recovery, storage or recycling; safe for disposal; or reduced in volume or concentration. As regards used oil, the term means chemical or physical operations designed to produce from used oil, or to make used oil more amenable for production of, fuel oils, lubricants, or other used oil-derived products. Processing includes blending used oil with virgin petroleum products, blending used oils to meet the fuel specifications, filtration, simple distillation, chemical or physical separation and re-refining.

(96) "Professional engineer" means an engineer registered in the State of Florida in accordance with Chapter 471, F.S.

(97) "Professional geologist" means a geologist registered in the State of Florida in accordance with Chapter 492, F.S.

(98) "Public used oil collection center" means:

(a) An automotive service facility or government-sponsored collection facility which accepts for disposal small quantities of used oil from households; or

(b) A facility which stores used oil in aboveground tanks, and which accepts small quantities of used oil from households.

(99) "Putrescible waste" means solid waste which contains organic matter capable of being decomposed by microorganisms and of such a character and proportion as to be capable of attracting or providing food for birds. The term does not include uncontaminated yard trash or clean wood.

(100) "PVC" means polyvinyl chloride.

(101) "Quantity of tires" means either weight, volume, or actual number of tires. For purposes of Chapter 62-711, F.A.C., assume that, for passenger tires, there are 100 tires per ton and 10 tires per cubic yard and that, for truck tires, there are 20 tires per ton.

(102) "Recovered materials" means metal, paper, glass, plastic, textile, or rubber materials that have known recycling potential, can be feasibly recycled, and have been diverted and source separated or have been removed from the solid waste stream for sale, use, or reuse as raw materials, whether or not the materials require subsequent processing or separation from each other, but does not include materials destined for any use that constitutes disposal. Recovered materials as described above are not solid waste.

(103) "Recovered materials processing facility" means a facility engaged solely in the storage, processing, resale, or reuse of recovered materials. Such a facility is not a solid waste management facility if it meets the conditions of Rule 62-701.220(2)(c), F.A.C.

(104) "Recyclable material" means those materials which are capable of being recycled and which would otherwise be processed or disposed of as solid waste.

(105) "Recycling" means any process by which solid waste, or materials which would otherwise become solid waste, are collected, separated, or processed and reused or returned to use in the form of raw materials or products.

(106) "Recycling equipment" means machinery or equipment exclusively and integrally used in the actual process by which solid waste or materials which would otherwise become solid waste are separated or processed and reused or returned to use in the form of raw materials or products.



HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & 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: 9/12/01
RE: Enterprise RDF PROJECT: HAI# 99-331.01/1
Draft Permit

We are sending you 1 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
- Will be sent via overnight mail
- Will be sent by facsimile only
- Will be sent by hand delivery

MESSAGE:

Kim,
Our client has requested that draft condition 15-d.
be clarified to state the following-
"Clean wood to be recycled or reused shall be
processed for recycling, reused or removed."
Please call Jim + me to discuss. Thank you.

Jennifer Deal

**** Transmit Conf. Report ****

P.1

Sep 12 2001 7:37

Telephone Number	Mode	Start	Time	Pages	Result	Note
814078392066	NORMAL	12, 7:36	1'00"	5	# O K	

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	3804 Coconut Palm Drive Tampa, FL 33619-8318
--	---

FAX

Date: 9/11/01
 Number of pages including cover sheet: 5

To: JENNIFER DEAN
HARRISON
 Phone: 407 8393955
 Fax phone: 407 8392006
 CC:

From: Ken Ford
 Phone: (813) 744-6100 x382
 Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

ENTREPRISE
NEW DRAFT PAGES AND POLICIES

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 Coconut Palm Drive Tampa, FL 33619-8318

FAX

Date: 9/11/01
Number of pages including cover sheet: 5

To: JENNIFER DEAL

HARRIS

Phone: 407 8393955

Fax phone: 407 8392006

CC:

From: Tom Ford

Phone: (813) 744-6100 x382

Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

ENTERPRISE
NEW DRAFT PAGES AND POLICIES

DRAFT

SPECIFIC CONDITIONS:

18. **Working Face.** As required by F.A.C. 62-701.500(7)(d), the permittee shall minimize the size of the working face to minimize the 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.

19. **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.

20. **Gas Monitoring.**

a. Landfill gas shall be monitored in accordance with the Operations Plan, Section 10.1, prepared by Hartman & Associates, and as required by F.A.C. 62-701.530. Gas monitoring probes GP-9, GP-10, GP-11, GP-12, GP-13 and GP-14 shall be installed prior to operation and acceptance of waste. The remaining gas monitoring probes shall be installed prior to operation and acceptance of waste as part of Sequence 3.

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

Quarter 1	April 15th
Quarter 2	July 15th
Quarter 3	October 15th
Quarter 4	January 15th

c. The installed gas monitoring points shown on Figure 3-13 (attached) prepared by Hartman & Associates shall be sampled at least **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. 62-701.530(2)(c). The Gas Contingency Plan shall be implemented in accordance with the Operations Plan, Section 10.1.2, prepared by Hartman & Associates, if the methane levels are detected above 5% of the LEL. All gas migration wells (monitoring probes) are to be clearly labeled and easily visible at all times.

d. If the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off the landfill site, or greater than 100% at the property boundary, the owner shall immediately take all necessary steps to ensure protection of human health and notify the Department, and submit to the Department **within 7 days** a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days** of detection unless otherwise approved by the Department.

21. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13).

DRAFT

SPECIFIC CONDITIONS:

DRAFT

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.

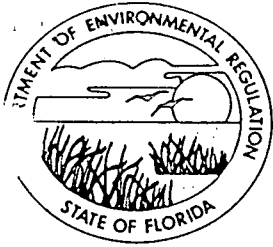
b. Prior to construction of all new or replacement wells (except for those wells listed in Specific Condition No. 30), the permittee shall request and receive Department approval of a minor permit modification.

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.

DRAFT



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

September 17, 1991

Everett E. Gerths
 Environmental & Chemical
 Resources, Inc.
 Post Office Box 56201
 Jacksonville, Florida 32241-6201

Re: Railroad Ties as Construction and Demolition Debris

Dear Mr. Gerths:

I apologize for the length of time it has taken to answer your letter of July 24. We have recently been asked to decide whether wood treated with creosote is considered a hazardous waste, and I wanted to resolve that issue before I responded to you. I have attached a recent letter on that issue.

You have asked whether used railroad ties are considered construction and demolition debris as defined in Rule 17-701.020(16), F.A.C. Railroad tracks are considered a structure as that term is used in the rule. Therefore, ties which result from the construction or destruction of railroad tracks are considered construction and demolition debris. Note that ties are not considered clean debris, and cannot be disposed of in water.

Sincerely,

Chris McGuire
 Assistant General Counsel

CDM/rb

cc: John Reese
 Mike Fitzsimmons, N.F. District
 Margaret Elligett



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
WM/SWM-01.1	10-15-91
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: District Waste Program Administrators

FROM: John Ruddell, Director *JRR*
Division of Waste Management

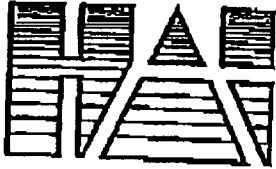
SUBJECT: Mulching and Composting of Clean Dry Wood

DATE: October 15, 1991

A question has arisen as to whether the Department considers yard trash to include other types of clean dry wood for purposes of composting or mulching. The answer is yes.

Clean dry wood is defined in Rule 17-256.200(5) as "wood (including lighter pine), lumber or tree and shrub trunks, branches, and limbs which is free of paint, pentachlorophenol, creosote, tar, asphalt, or other wood preservatives and which when burned does not emit excessive visible emissions." Such wood is no more likely to pose a threat to ground water than it is to air, and therefore should be considered to be the equivalent of yard trash when composted or mulched.

If an applicant wishes to compost or mulch clean dry wood, whether mixed with yard trash or not, they must first demonstrate to the District office that the wood will meet the definition above. A person mulching or composting any wood other than yard trash without prior approval by the District office should be considered in violation of our rules.



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3780
FAX (ADMIN/UTILITY ENGINEERING) - (407) 839-3780
FAX (CIVIL ENG./SURVEY/FINANCE) - (407) 481-8447
FAX (HYDROGEOLOGY) - (407) 839-2666

FACSIMILE TRANSMITTAL

TO: Kim Ford FROM: Jennifer Deal

DATE: 9/11/01
RE: Figure 3-13 - Proposed Enterprise Recycling and Disposal Facility

WE ARE SENDING YOU 2 PAGES, INCLUDING THIS COVER SHEET.
THESE PAGES ARE BEING TRANSMITTED AS INDICATED BELOW:

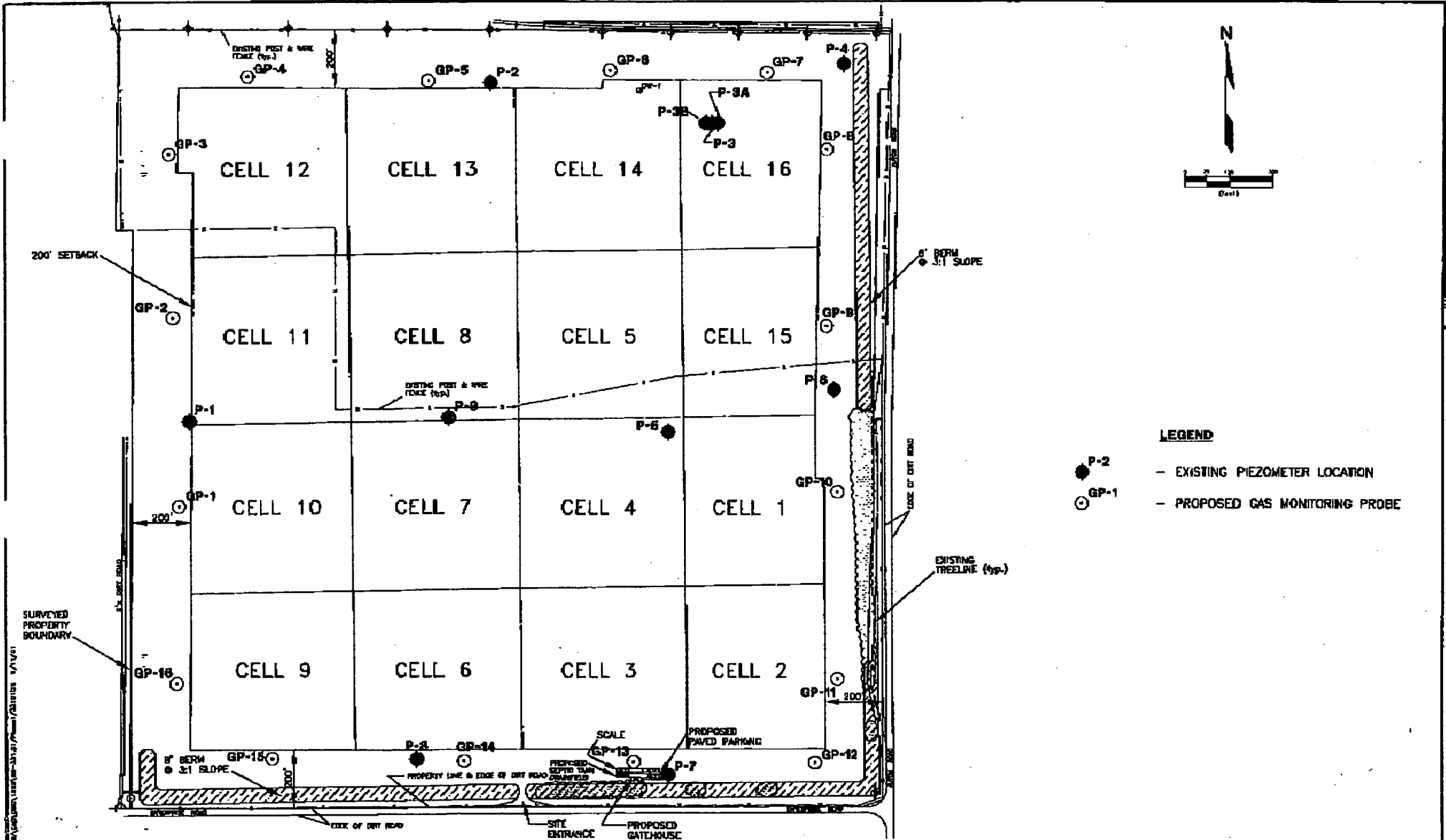
- AS REQUESTED
- FOR YOUR USE
- FOR YOUR COMMENTS
- FOR YOUR APPROVAL

HARD COPY:

- WILL BE SENT VIA REGULAR MAIL
- WILL BE SENT VIA OVERNIGHT MAIL
- WILL BE SENT BY FACSIMILE ONLY

MESSAGE: Hard copy will be sent by regular mail.
If you have any questions, please call.

IF THERE ARE QUESTIONS OR PROBLEMS WITH THIS TRANSMITTAL,
PLEASE CALL (407) 839-3955



- LEGEND**
- P-2 - EXISTING PIEZOMETER LOCATION
 - GP-1 - PROPOSED GAS MONITORING PROBE

B3
SM
RD
JLR

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/11/01
Time 9:47

Subject ENTERPRISE PERMITS
Permit No. _____
County DASCO
Telephone No. 407 8393955

M Jennifer Dean
Representing Hartman

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting Jim Golden

Summary of Conversation/Meeting _____

WE DISCUSSED HER FAX COMMENTS - 166 ATTRIBUTES
I REQUESTED A CORRECTED FIGURE 3-13
AND AGREED TO REVISE DRAFT
PERMITS TO ALLOW INSTALLATION OF
ONLY 6 GAS PROBES NOW.

(continue on another
sheet, if necessary)

Signature ELW

Title _____



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & 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: 813-744-6025 DATE: 9/10/01
 RE: Enterprise RDF PROJECT: HAI # 99-331.01/1
Permit Conditions

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
- Will be sent via overnight mail
- Will be sent by facsimile only
- Will be sent by hand delivery

MESSAGE:

Kim,

On behalf of Sid Larkin & Son, Jim and I have a few comments regarding the draft permit-specific conditions. Please call us to discuss these comments.

Thank you.

Jennifer

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

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
DRAFT PERMIT CONDITION COMMENTS

Construction Permit Comments

- 1. Specific Condition 8. When is the initial construction schedule due? Now or April 1?

2002
3
4
5
:

Operation Permit Comments

disposal areas that have received waste that is without intermediate cover

- 1. Specific Condition 11. a. Clarification that cells comprising the temporary stormwater pond are not considered to be open disposal areas.

Class III
WASTE
PERMITS

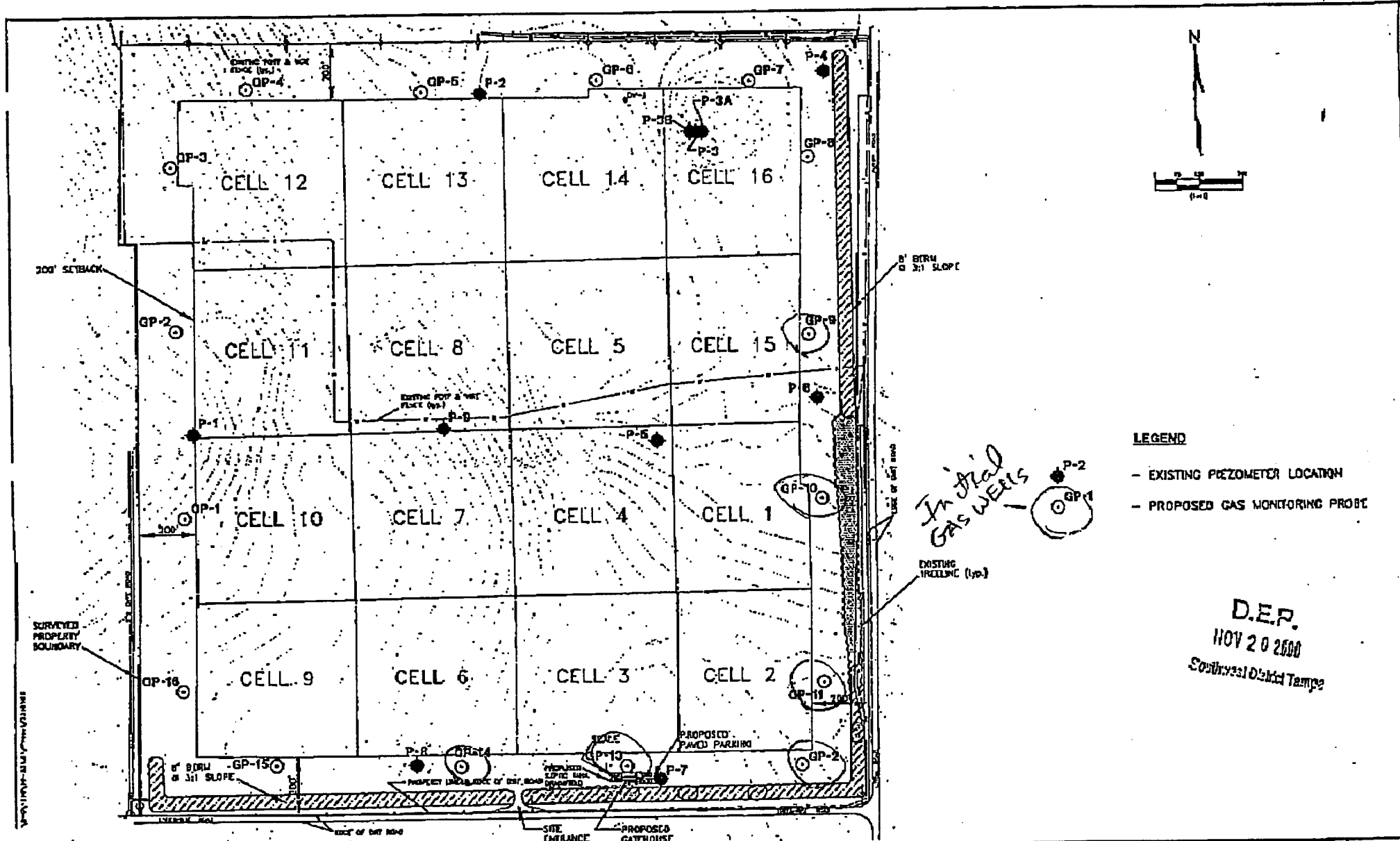
- 2. Specific Condition 15.c. Clarification that treated wood is allowable for disposal at the landfill. Possible rewording to "Clean wood to be recycled shall not include..."

only if clean

- 3. Specific Condition 20.a. Can the gas monitoring probes be phased in? We would like to install 6 of the 16 probes now, and install others as the filling progresses. Please see the attached figure.

2001
Feb
GP-12

- 4. Specific Condition 33.b. This condition should reference Specific Condition 30, not 31, as previously discussed with John Morris.



Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: X *W* DEBORAH A. GETZOFF, Director of District Management

FROM/THROUGH:

William Kutash ENVIRONMENTAL ADMINISTRATOR

Bob Butera *8/24/01* SUPERVISOR

Kim Ford *8/29/01* ENGINEER

DATE: *8/29/01*

FILE NAME: Enterprise Class III Landfill PERMIT #: 177982-001-SC and 177982-002-SO

PROGRAM : Solid Waste COUNTY : Pasco

TYPE OF PERMIT ACTION: ISSUE DENY MODIFY
TRANSFER OWNER NOD
PUBLIC NOTICE X INTENT TO ISSUE

PUBLIC NOTICE PERIOD CLOSED? PETITION FILED?

PERMIT SUMMARY: These permits are to allow the construction and subsequent operation of a Class III landfill in accordance with the new permits in compliance with new rules. Site plans demonstrate each disposal area will be constructed and closed in sequence and the facility will be operated in compliance with the requirements for temporary storage of other wastes, operations, training, water quality monitoring, financial assurance, closure and long-term care.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The application and fees were received on November 20 and December 12, 2000. Two deficiency letters were sent, and the responses received on March 23, April 4, May 21, June 1, June 21, and July 30, 2001. Revised Engineering Report, site plans and Operations Plan were received on June 21, 2001.

The application (including both construction and operation) was deemed complete on **June 1, 2001**. (Rather than writing a 3rd letter requesting the same information, the applicant was notified in writing by the Department on June 29th that the application was deemed complete in an effort to expedite the permitting process with the understanding that if the issues were not resolved then the pending permits would be denied.)

Department Processing Time = 147 days (as of August 28, 2001)
Total Processing Time (TIH) = 259 days (as of August 28, 2001)

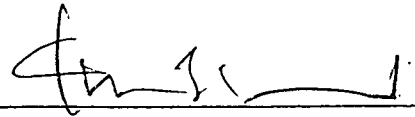
Day 90/30 for this Action is August 30, 2001.

CERTIFICATION

Application No.

177982-001-SC AND 177982-002-30
ENTERPRISE CLASS III LANDFILL

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide / ~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title ⁶²27. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical and structural features).



(Signed)

8/29/01

(Date)

(Seal)

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

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;

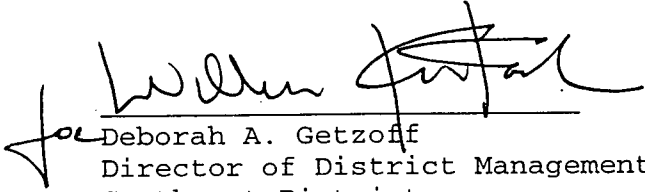
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial 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.

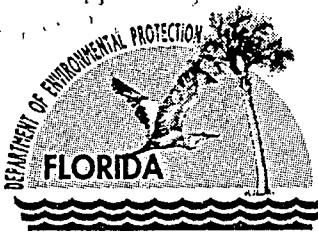
(3) Upon receipt of a petition for formal proceedings, the Agency shall either accept or deny the petition, and if accepted shall elect either to conduct the hearing itself through the Agency head, or member thereof, assign a person authorized by Subsection 120.57(1)(a) or other authority, or request 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: 177982-002-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

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 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.

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.

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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.

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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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PERMITTEE: Sid Larkin & Son, Inc.

PERMIT NO.: 177982-002-SO
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.

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SPECIFIC CONDITIONS:

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 operation, monitoring activities, and maintenance 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).

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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. 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.
7. Certification of Construction Completeness. Within sixty (60) days after the specified construction has been completed, and prior to operation/acceptance of waste into each new disposal area (cell), the activities described in the current construction permit shall be completed.
8. Special Wastes. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. 62-701.300(8), 62-701.520 and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means solid wastes that can require special handling and management, including asbestos. This disposal site shall meet the requirements of 40 CFR Part 61.154.

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SPECIFIC CONDITIONS:

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9. Facility Operation Requirements.

a. The permittee shall operate this facility in accordance with F.A.C. 62-701.500 - Landfill Operation Requirements, the Site Plans, and the Operations Plan, and any other applicable requirements.

b. All waste debris or materials (except clean concrete and clean wood) shall be unloaded inside the designated disposal area.

c. Litter shall be collected outside the active disposal area at least once daily on operating days.

d. Waste debris shall be spread and compacted daily on normal operating days.

e. In the event of equipment breakdown or scheduled maintenance, the permittee shall ensure that sufficient reserve equipment is operating at the site within 72 hours of the occurrence or the facility shut down.

f. If the facility has reached its permitted capacity for any area, the permittee shall not accept additional waste debris or materials until sufficient capacity has been restored.

10. Operation Plan and Operating Record. 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. The Department shall be notified of changes to the operational plan. The plan shall be updated as operations change and for renewal of the permit.

11. Sequence of Filling.

a. A maximum of four (4) disposal areas (cells) shall be open at any time, as shown on the site plans, subject to proof of financial assurance. All disposal areas shall be closed in accordance with Rule 62-701.600, F.A.C.

b. The sequence of filling shall be in accordance with the sequences described in the Operations Plan and as shown on Figures 3-17 (Sequence 1), 3-18 (Sequence 2), and the related cross-sections (Figures 3-24, 3-25, 3-26 and 3-27), or as otherwise approved in writing by the Department.

c. Setback areas, the location of stormwater management system features (i.e. DRAs, ponds and swales), and disposal area (Cell) boundaries shall be clearly marked prior to disposal of waste in each disposal area (Cell). The permittee shall use markers which are of a size or design that effectively prevents unauthorized disposal in these areas. These markers shall be maintained at all times throughout the operation of the facility to prevent waste disposal in unauthorized areas.

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SPECIFIC CONDITIONS:

- d. At least annually, or more frequently if necessary, elevations of the active disposal area (cell) shall be recorded to ensure that the slopes and grades are in accordance with the approved plans. This information shall be maintained at the facility, and copies provided to the Department upon request.
- e. At least annually, the owner or operator shall prepare an estimate of the remaining life and capacity (in cubic yards) of the permitted and constructed disposal areas (cells) and the remaining life and capacity of areas which have not been constructed. These estimates shall be supported by a topographic survey and calculations, which are signed and sealed by a professional engineer or land surveyor, as appropriate. The annual capacity estimate, supporting calculations and topographic survey shall be submitted annually by April 1st of each year.
12. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill and at least one trained spotter shall be at the working face at all times when the landfill receives waste. The permittee shall notify the Department in writing of a change of the primary on-site supervisor within 7 days of the effective start date of this new responsible individual. Copies of the training certificates for the newly assigned individual shall also be submitted.
13. **Waste Records.** Waste quantity records shall be compiled monthly as described by F.A.C. 62-701.500(4) and made available to the Department upon request.
14. **Control of Access.** Access to, and use of, the facility shall be controlled as required by F.A.C. 62-701.500(5).
15. **Waste Debris and Material Management and Storage.**
- a. Unauthorized wastes shall be handled, stored and removed from the site as described in the Section 5.0 of the Operations Plan.
- b. Materials shall be stored as described in the Section 5.0 of the Operations Plan.
- c. Recyclable clean wood shall not include wood which has been treated (e.g. creosote, pressure-treated, CCA, etc.) or painted.
- d. Clean wood shall be processed for recycling, reused or removed for disposal within six months of receipt, unless otherwise approved in writing by the Department.
- e. The owner or operator shall remove from the site, 75% of all stored materials each year, for recycling or disposal, unless otherwise approved in writing by the Department.
- f. All Class I waste shall be stored in containers and shall be disposed of at least once each week, or more often if necessary.

SPECIFIC CONDITIONS:

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16. **Monitoring of Waste.** Wastes shall be monitored as required by F.A.C. 62-701.500(6) including a load checking program and associated activities. This landfill is limited to construction and demolition debris, and Class III wastes including regulated asbestos-containing materials (RACM). Bags of RACM accepted for disposal shall remain sealed.

a. Each load of RACM arriving at the facility shall be accompanied by a completed Waste Shipment Record (WSR) in accordance with 40 CFR 61.150, on a form similar to Figure 4. attached and containing all the information required therein. Each trailer's identification number shall be written on each WSR for each load. Each load shall be inspected to insure that it is properly bagged, that bags are intact and properly sealed, and that the required warning labels and generator labels are affixed. In addition, a minimum of three loads each week shall be randomly selected by the inspector to discharge their loads at a designated area for detailed inspection for compliance with 40 CFR 61.150 and 29 CFR 1926.1101(k)(8).

b. The permittee shall not knowingly accept hazardous waste or any hazardous substance for disposal at this site. Hazardous waste is a waste identified in Chapter 62-730, F.A.C. 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 F.A.C. 62-701.300(4) and 62-701.500(6)(b).

17. **Waste Handling Requirements.** All solid waste disposed of in the Class III area shall be covered as required by F.A.C. 62-701.500(7), 62-701.520, and 40 CFR 61, Subpart M, 61.154.

a. Initial cover shall be applied and maintained in accordance with 62-701.500(7)(e) so as to protect the public health and welfare. All RACM disposed of in the Class III area shall be covered with at least 6 inches of compacted earth at the end of each working day. All other solid waste disposed of in the Class III area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department, at the end of each work week.

b. Intermediate cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(f). An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion at all landfills if final cover or an additional lift is not to be applied within 180 days of cell completion.

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SPECIFIC CONDITIONS:

18. **Working Face.** As required by F.A.C. 62-701.500(7)(d), the permittee shall minimize the size of the working face to minimize the 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.

19. **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.

20. **Gas Monitoring.**

a. Landfill gas shall be monitored in accordance with the Operations Plan, Section 10.1, prepared by Hartman & Associates, and as required by F.A.C. 62-701.530. All gas monitoring probes shall be installed prior to operation and acceptance of waste.

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

Quarter 1	April 15th
Quarter 2	July 15th
Quarter 3	October 15th
Quarter 4	January 15th

c. The gas monitoring points (GP-1 through GP-16) shown on Figure 3-13 (attached) prepared by Hartman & Associates shall be sampled at least quarterly for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. 62-701.530(2)(c). The Gas Contingency Plan shall be implemented in accordance with the Operations Plan, Section 10.1.2, prepared by Hartman & Associates, if the methane levels are detected above 5% of the LEL. All gas migration wells (monitoring probes) are to be clearly labeled and easily visible at all times.

d. If the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off the landfill site, or greater than 100% at the property boundary, the owner shall immediately take all necessary steps to ensure protection of human health and notify the Department, and submit to the Department within 7 days a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed within 60 days of detection unless otherwise approved by the Department.

21. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13).

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SPECIFIC CONDITIONS:

22. **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.

23. **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.

24. **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.

25. **Financial Assurance.** The permittee shall provide financial assurance for the facility in accordance with F.A.C. 62-701.630.

a. The financial assurance mechanism shall be initially established and appropriately funded for each new disposal area (Cell), at least sixty (60) days prior to acceptance of waste for disposal into the new disposal area (Cell).

b. All costs for closure shall be adjusted and submitted annually, by March 1st each year to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

c. 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.

26. **Water Quality Requirements.** The landfill shall be designed, constructed, operated, maintained, closed, and monitored throughout its design period to control the movement of waste and waste constituents into the environment so that ground water and surface water quality standards and criteria of Chapters 62-302 and 62-520, F.A.C., will not be violated beyond the zone of discharge specified for the landfill.

27. **Zone of Discharge.**

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

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SPECIFIC CONDITIONS:

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b. The permittee shall ensure that the water quality standards 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.

28. **Water Quality Monitoring Quality Assurance.**

a. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by firms possessing a Quality Assurance Plan (QAP) approved by the Department to meet the requirements of Chapter 62-160, F.A.C. The QAP must specifically address the types of sampling and analytical work that are required by this permit. The QAP shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted when the sampling or analytical entities change. Documentation shall include a copy of the approval letter regarding the QAP.

b. The field testing, sample collection, sample preservation, and laboratory testing, including the collection of quality control samples, shall be in accordance with 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.

29. **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. As it has been indicated that there is no planned discharge of surface waters at the site, routine surface water sampling and analysis has not been required. However, in the event that a surface water discharge should occur, monitoring is required in accordance with Rule 62-701.510(4), F.A.C. Notification of surface water discharge shall be provided to the Solid Waste Section of the Department's Southwest District office on the day of discharge, and the discharged water shall be sampled for the parameters listed in Rule 62-701.510(8)(b), F.A.C. Results of surface water analyses shall be submitted to the Department's Southwest District office **within 60 days of discharge.**

b. 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 established for the individual parameters to demonstrate compliance with Class III (predominantly fresh water) surface water criteria presented in Chapter 62-302, F.A.C. Compliance with surface water criteria will be based on analysis of unfiltered samples.

SPECIFIC CONDITIONS:

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30. **Ground Water Monitor Well Locations.** The ground water monitor wells shall be located as shown on Figure 15, titled "Proposed Monitor Well Location Map" prepared by Hartman & Associates, Inc., received April 4, 2001 (attached), as follows:

Well No.	WACS Testsite No.	Aquifer	Designation	Location
MW-1*+	XXXXXX	Surficial	Background	See Figure 15
MW-1A*	XXXXXX	Surficial	Background	↓
MW-1B	XXXXXX	Floridan	Background	↓
MW-2A*	XXXXXX	Surficial	Detection	↓
MW-2B*	XXXXXX	Floridan	Detection	↓
MW-3*	XXXXXX	Surficial	Detection	↓
MW-4*	XXXXXX	Surficial	Detection	↓
MW-5A*	XXXXXX	Surficial	Detection	↓
MW-5B*	XXXXXX	Floridan	Detection	↓
MW-6*	XXXXXX	Surficial	Detection	↓
MW-7A*	XXXXXX	Surficial	Detection	↓
MW-7B	XXXXXX	Floridan	Detection	↓
MW-8*	XXXXXX	Surficial	Detection	↓
MW-9*	XXXXXX	Surficial	Detection	↓
MW-10*	XXXXXX	Surficial	Detection	↓
MW-11*	XXXXXX	Surficial	Detection	↓
MW-12A*	XXXXXX	Surficial	Detection	↓
MW-12B*	XXXXXX	Floridan	Detection	↓
MW-13*	XXXXXX	Surficial	Detection	↓
MW-14*	XXXXXX	Surficial	Background	↓

* To be installed and developed in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be completed at least 30 days prior to disposal of waste in the corresponding cell(s). Well construction details referenced in Specific Condition No. 33.C. shall be provided to the Department within 90 days of well installation and development.

+ To be abandoned at least 30 days prior to construction of Cell 8.

The surficial aquifer wells are intended to be completed in the sandy, silty, and clayey sediments overlying the first confining unit; the Floridan aquifer wells are intended to be completed in the uppermost limestone sediments encountered below the first confining unit. Under no circumstances shall the screened intervals of any of these monitor wells be open to sediments of both the surficial and Floridan aquifers, and the annular space shall be sealed to prevent the movement of ground water across the first confining unit. The top of the screened interval in each surficial aquifer monitor well shall be set above the wet season water table surface.

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

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SPECIFIC CONDITIONS:

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

<u>Well No.</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
P-2	Surficial	Piezometer	See Figure 15
P-4	Surficial	Piezometer	↓
P-6	Surficial/Floridan	Piezometer	↓
P-7	Surficial	Piezometer	↓
P-8	Floridan	Piezometer	↓
P-10	Floridan	Piezometer	↓
P-11	Floridan	Piezometer	↓

All piezometers are to be clearly labeled and easily visible at all times. The permittee should keep all piezometers locked to minimize unauthorized access.

32. **Groundwater 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 less than or equal to the Maximum Contaminant Levels established for the individual parameters to demonstrate compliance with Class G-II ground water standards referenced in Chapter 62-522, F.A.C. Compliance with ground water standards will be based on analysis of unfiltered samples.

a. An initial sampling event at each of the wells listed in Specific Condition No. 30 shall be conducted for the parameters listed in Rule 62-701.510(8)(a) and (8)(d), F.A.C. The initial sampling events shall be conducted within 7 days of well installation and development in accordance with the schedule provided in the Hydrogeological Investigation and Groundwater Monitoring Plan, Section 5.3.1, revised 5/18/01, prepared by Hartman & Associates, Inc., and shall be conducted prior to disposal of waste in the corresponding cell(s). The laboratory results for the initial sampling events shall be reported to the Department within 90 days of sample collection.

b. Following completion of the initial sampling event, the wells listed in Specific Condition No. 30 shall be sampled semi-annually for analysis of the following parameters:

<u>Field Parameters</u>	<u>Laboratory Parameters</u>
Static water levels before purging	Total ammonia - N
Specific conductivity	Chlorides
pH	Iron
Dissolved oxygen	Mercury
Temperature	Nitrate
Turbidity	Sodium
Colors & sheens (by observation)	Total dissolved solids(TDS)
	Those parameters listed in 40 CFR <u>Part 258, Appendix I</u>

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SPECIFIC CONDITIONS:

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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), the permittee shall request and receive Department approval of a minor permit modification.

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.

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SPECIFIC CONDITIONS:

34. **Well and Piezometer Abandonment.** All wells and piezometers not a part of the approved Water Quality Monitoring Plan are to 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 a written report to the Department within 90 days of well abandonment documenting verification of the well abandonment. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

35. **Verification/Evaluation Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 30 days after the sampling data is received 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 representative of current 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.

36. **Water Quality Reporting Requirements.** All 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 results of ground water quality analyses by January 15th and July 15th of each year. Each report shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a ground water contour map representing conditions at the time of ground water sampling and a summary of any water quality standards or criteria that are exceeded.

37. **Report Submittals.** All reports for compliance with this permit shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

38. **Water Quality Monitoring Plan Evaluation.** By October 1, 2003, and no later than April 1, 2006, 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>
October 1, 2003	Initial sampling	First Half 2003
April 1, 2006	Second Half 2003	Second Half 2005

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SPECIFIC CONDITIONS:

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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.

39. **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.

40. **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 (including dry or damaged wells), 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.

41. **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.

42. **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.

43. **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.

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PERMITTEE: Sid Lark... & Son, Inc.

PERMIT NO.: 17982-002-SO
Enterprise Class III Landfill

SPECIFIC CONDITIONS:

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44. 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

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
6.	Annually, by April 1st	Submit construction schedule and progress report
11.e.	Annually, by April 1st	Capacity estimate and survey
20.	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Submit Gas Monitoring Reports
25.b.	Annually, by March 1st	Submit revised cost estimates
25.c.	Annually, by	Submit proof of funding
32.b.	Every 6 months	Ground water wells sampled/analyzed
36.	Semi-annually, by January 15th and July 15th	Submit ground water quality results
38.	By Oct. 2, 2003 and Apr. 1, 2006	Submit Water quality monitoring plan evaluation

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Generator	1. Work site name and mailing address		Owner's name	Owner's telephone no.
	2. Operator's name and address			Operator's telephone no.
	3. Waste disposal site (WDS) name, mailing address, and physical site location			WDS phone no.
	4. Name, and address of responsible agency			
	5. Description of materials		6. Containers No. Type	7. Total quantity m ³ (yd ³)
	8. Special handling instructions and additional information			
	9. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.			
	Printed/typed name & title		Signature	Month Day Year
Transporter	10. Transporter 1 (Acknowledgment of receipt of materials)			
	Printed/typed name & title		Signature	Month Day Year
	Address and telephone no.			
	11. Transporter 2 (Acknowledgment of receipt of materials)			
Printed/typed name & title		Signature	Month Day Year	
Address and telephone no.				
Disposal site	12. Discrepancy indication space			
	13. Waste disposal site owner or operator: Certification of receipt of asbestos materials covered by this manifest except as noted in item 12.			
Printed/typed name & title		Signature	Month Day Year	

(Continued)

Figure 4. Waste Shipment Record

INSTRUCTIONS

Waste Generator Section (Items 1-9)

1. Enter the name of the facility at which asbestos waste is generated and the address where the facility is located. In the appropriate spaces, also enter the name of the owner of the facility and the owner's phone number.
2. If a demolition or renovation, enter the name and address of the company and authorized agent responsible for performing the asbestos removal. In the appropriate spaces, also enter the phone number of the operator.
3. Enter the name, address, and physical site location of the waste disposal site (WDS) that will be receiving the asbestos materials. In the appropriate spaces, also enter the phone number of the WDS. Enter "on-site" if the waste will be disposed of on the generator's property.
4. Provide the name and address of the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program.
5. Indicate the types of asbestos waste materials generated. If from a demolition or renovation, indicate the amount of asbestos that is
 - Friable asbestos material
 - Nonfriable asbestos material
6. Enter the number of containers used to transport the asbestos materials listed in item 5. Also enter one of the following container codes used in transporting each type of asbestos material (specify any other type of container used if not listed below):
 - DM - Metal drums, barrels
 - DP - Plastic drums, barrels
 - BA - 6 mil plastic bags or wrapping
7. Enter the quantities of each type of asbestos material removed in units of cubic meters (cubic yards).
8. Use this space to indicate special transportation, treatment, storage or disposal or Bill of Lading information. If an alternate waste disposal site is designated, note it here. Emergency response telephone numbers or similar information may be included here.
9. The authorized agent of the waste generator must read and then sign and date this certification. The date is the date of receipt by transporter.

NOTE: The waste generator must retain a copy of this form.

(continued)

Figure 4. Waste Shipment Record

Transporter Section (items 10 & 11)

10. & 11. Enter name, address, and telephone number of each transporter used, if applicable. Print or type the full name and title of person accepting responsibility and acknowledging receipt of materials as listed on this waste shipment record for transport. Enter date of receipt and signature.

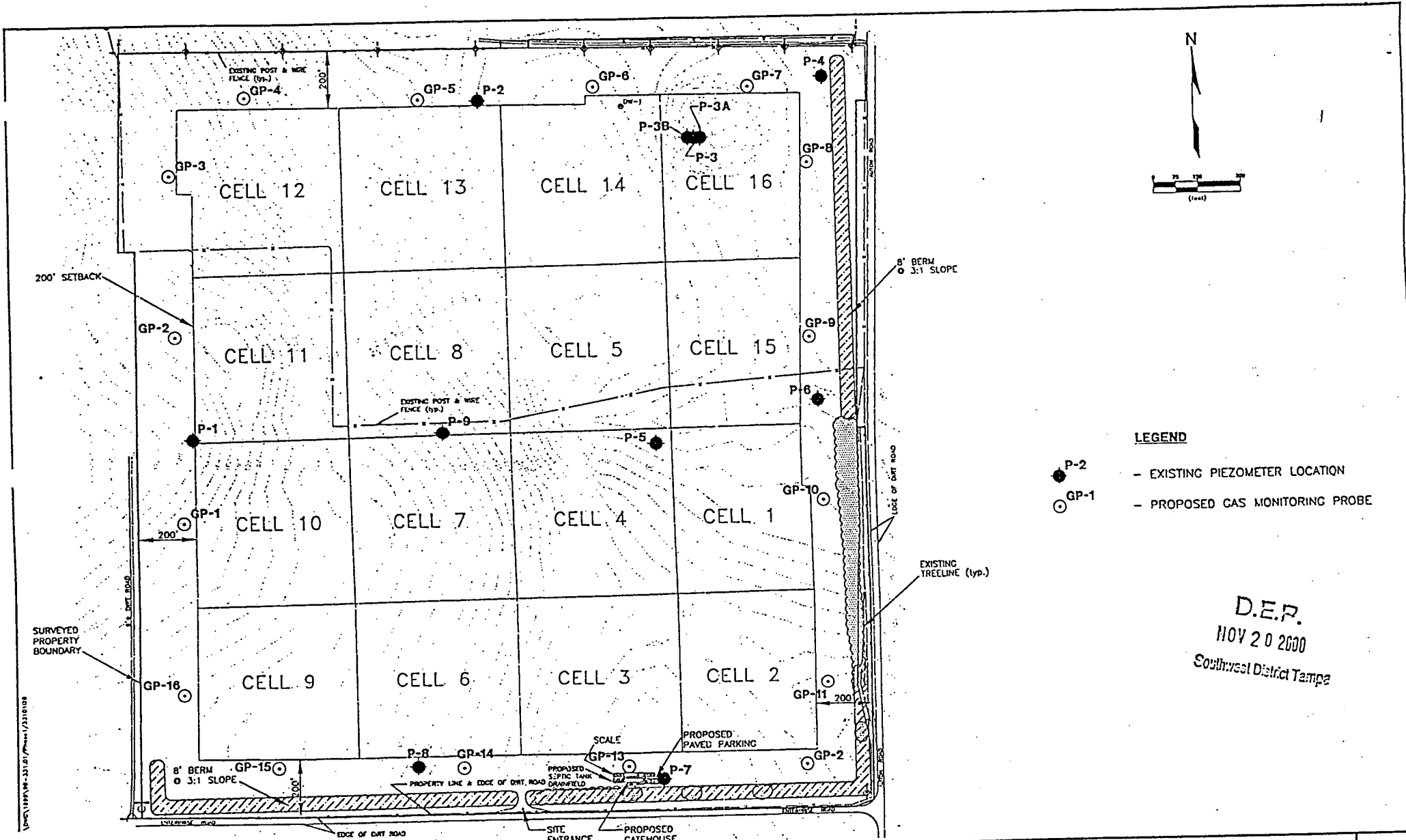
NOTE: The transporter must retain a copy of this form.

Disposal Site Section (Items 12 & 13)

12. The authorized representative of the WOS must note in this space any discrepancy between waste described on this manifest and waste actually received as well as any improperly enclosed or contained waste. Any rejected materials should be listed and destination of those materials provided. A site that converts asbestos-containing waste material to nonasbestos material is considered a WOS.
13. The signature (by hand) of the authorized WOS agent indicates acceptance and agreement with statements on this manifest except as noted in item 12. The date is the date of signature and receipt of shipment.

NOTE: The WOS must retain a completed copy of this form. The WOS must also send a completed copy to the operator listed in item 2.

Figure 4. Waste Shipment Record.



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

() Compliance

() Other

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

* Attach Laboratory Reports

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

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

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: _____

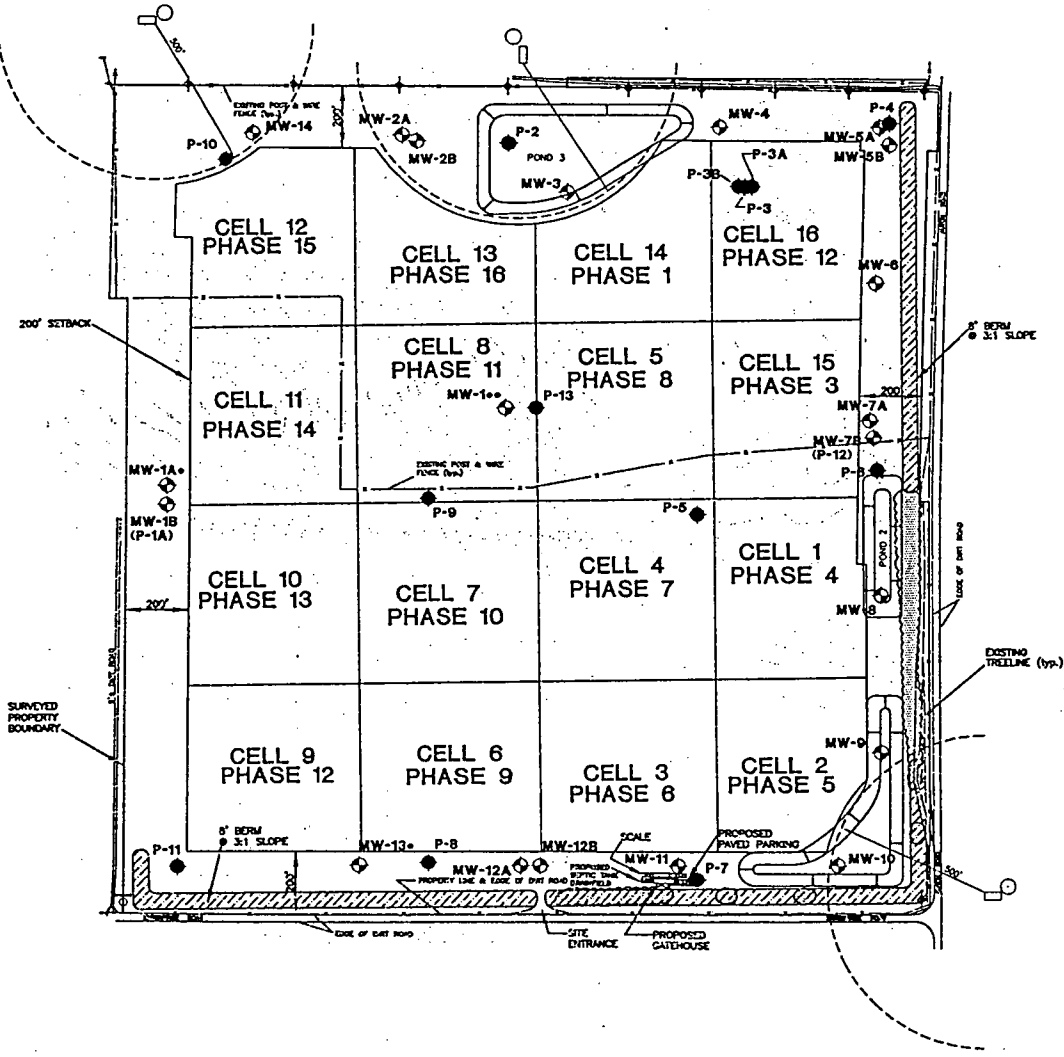
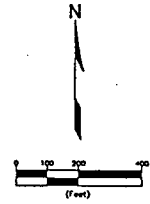
REMARKS: (soils information, stratigraphy, etc.): _____

REPORT PREPARED BY: _____
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
 APR 04 2001
 SOUTHWEST DISTRICT TAMPA



LEGEND

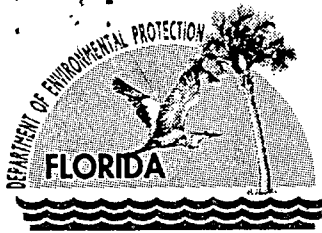
- MW-2 - PROPOSED SURFICIAL AQUIFER DETECTION MONITOR WELL LOCATION
- MW-1B - PROPOSED FLORIDIAN AQUIFER DETECTION MONITOR WELL LOCATION
- P-2 - EXISTING PIEZOMETER LOCATION
- PRIVATE POTABLE WELL LOCATION
- MW-13 - PERIODIC DRY SURFICIAL AQUIFER MONITOR WELL LOCATION
- MW-1 - BACKGROUND SURFICIAL AQUIFER MONITOR WELL TO BE ABANDONED PRIOR TO CELL 8 LANDFILLING

1999-03-10 10:30 AM 331010108 4/7/01

HARTMAN & ASSOCIATES, INC.
 engineers, hydrogeologists, surveyors & management consultants
 201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
 TELEPHONE (407) 838-3855 - FAX (407) 838-3790

**PROPOSED MONITOR WELL LOCATION MAP
 PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
 DADE CITY, FLORIDA**

**FIGURE
 15**



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

June 29, 2001

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

**Re: Enterprise Class III Landfill - Pasco County
Construction and Operation Permits
Pending Permit Nos.: #177982-001-SC and 177982-002-SO**

Dear Mr. Larkin:

The Department is currently evaluating your applications for construction and operation permits. It has been 199 days since your permit applications were initially received. The Department has requested additional information in writing on 2 occasions, and has frequently discussed many items of concern with your consultants. Although responses to both of the Department's letters have been received, some of the same items need clarification as explained in Mr. Morris' June 28th memorandum (attached). As a reasonable incentive to avoid unnecessary delays in this process, your permit application is deemed complete as of June 1, 2001 - the date the Department received your response to our last request for additional information.

Therefore, the Department intends to make its decision regarding final disposition (issuance or denial) of the pending permit no later than August 30, 2001, in accordance with Florida Administrative Code (F.A.C.) 62-4.055(5). Your immediate attention to resolving all items in need of clarification would be greatly appreciated. Department staff will be available for review of any supplemental or replacement information you may provide within a reasonable timeframe to allow for issuance of the permit.

"More Protection, Less Process"

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Mr. Jon Larkin
Sid Larkin & Son, Inc.

June 29, 2001
Page 2

However, as required by F.A.C. 62-4.070(2), if after review of the application and all the information, the Department determines that the applicant-Sid Larkin & Son, Inc. has not provided reasonable assurance that the facility will be operated in accordance with applicable rules, the permit would be denied. If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,



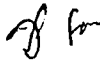
Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachment

cc: Roderick Cashe, P.E., Hartman & Associates
James Golden, P.G., Hartman & Associates
Robert Butera, P.E., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa

Florida Department of
Environmental Protection

Memorandum

TO: Kim Ford, P.E.
FROM: John R. Morris, P.G. JRM
DATE: June 28, 2001
SUBJECT: Proposed Enterprise Recycling and Disposal Class III Landfill
Pending Permit Nos. 177982-001-SC and 177982-002-SO
Hydrogeologic and Monitoring Review Comments
cc:  Robert Butera, P.E.

I have reviewed the following submittals in support of the permit application for the referenced facility that were provided in response to the Department's letter requesting additional information dated May 2, 2001:

3. *Request for Additional Information, Dated May 2, 2001, Sid Larkin & Son, Inc., Enterprise Recycling and Disposal Facility, Class III Landfill, Pasco County, Florida*, prepared by Hartman & Associates, Inc. (HAI), dated May 18, 2001, received May 21, 2001;
4. *Addendum to Response to Request for Additional Information, Dated May 2, 2001, Sid Larkin & Son, Inc., Enterprise Recycling and Disposal Facility, Class III Landfill, Pasco County, Florida*, prepared by HAI, dated May 31, 2001, received June 1, 2001; and,
5. *Correction to May 29, 2001 Submittal*, prepared by HAI, dated June 7, 2001, received via facsimile June 7, 2001.

My review focused on the hydrogeologic and monitoring aspects of the proposed landfill. The comment numbers presented herein are consistent with my memoranda dated January 10, and May 1, 2001, and also reference the above-mentioned submittal numbers. Those comments which have been resolved by these or previously received submittals include the notation: "No additional information is required." However, several comments (presented below in *italics*) have not been fully addressed and the submitted information is considered **not sufficient** to support the description of site hydrogeology and the proposed monitoring program for the proposed Enterprise Class III landfill and does not demonstrate compliance with Rules 62-701.410 and 62-701.510, F.A.C., respectively.

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:

- a. 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.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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- b. 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.
- c. 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 considered to be dissimilar to the laterally and vertically variable native sandy clay and clay sediments at the proposed Enterprise Class III landfill. It is also noted that persistent exceedances of standards have been reported for one of the detection wells at Cedar Trail Class III that are not considered to be “naturally occurring”.

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:

- d. 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.
- e. The difference in effective porosity between native soils and emplaced wastes is not addressed in the dilution calculation.
- f. The seasonal variability in hydraulic gradient and direction of ground water flow is not addressed in the dilution calculation.
- g. 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.

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.

JOHN MORRIS' REVIEW COMMENTS

Part G – Landfill Construction Requirements (Rule 62-701.400, F.A.C.)

1. G.9.a. – Gas Control System. This comment was previously addressed. **No additional information is required.**
2. G.9.d. – Gas Monitoring Program (Rule 62-701.400(10)(c), F.A.C.)
 - a. The revised Gas Monitoring Survey Form presented in Submittal 3 is noted. **No additional information is required.**
 - b. This comment was previously addressed. **No additional information is required.**

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

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

- a. The responses provided in Submittal 3 that the inferred contours are not based on actual water level measurements and that the four water level measurement events conducted at the subject property are considered to be representative of seasonal fluctuations are noted. **No additional information is required.**
- b. Please respond to the following comments provided regarding the response:
 - 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.*
 - 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.*
 - iii. *It is noted that the response provided in Submittal 3 indicates a land surface elevation at P-10 (+129 ft NGVD) that differs from the elevation shown on Figure 11.1. **No additional information is required.***
 - iv. *The boring log provided for P-11B (Submittal 3, Appendix 5-A) is noted. **No additional information is required.***
 - v. *The revision to Figure 6.2 (Submittal 3) is noted. **No additional information is required.***
 - vi. *The revision to the boring log for P-12 (Submittal 3, Appendix 5-A) appears to be inappropriate. The documentation from Universal Engineering Services (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.*
 - vii. *The revision to the boring log provided 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.*
 - 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.*
- c. This comment was previously addressed. **No additional information is required.**
- d. The revisions of slug test analyses for P-2 (slug out), P-3 (slug out), P-3a (slug in), and P-7 (slug out) are noted. Please respond to the following comments provided regarding the slug tests:
 - i. The response provided in Submittal 3 regarding the time scale for the slug in test at P-3 is noted. **No additional information is required.**
 - ii. The responses provided in Submittal 3 regarding the slug in tests at P-3 and P-7 are noted. **No additional information is required.**
- e. The response provided in Submittal 3 regarding the slug out test at P-5 is noted. **No additional information is required.**

- f. The responses provided regarding the results of the slug tests are noted. Please address the following comments:
 - i. The response provided in Submittal 3 indicating an arithmetic mean will be used to average hydraulic conductivity values is noted. **No additional information is required.**
 - ii. The response provided in Submittal 3 indicating that Section 5.2.2 and Table 5-2 of the Hydrogeological Investigation have been revised to reflect the slug test results provided in Submittal 1 is noted. **No additional information is required.**
 - g. This comment was previously addressed. **No additional information is required.**
 - h. This comment was previously addressed. **No additional information is required.**
 - i. This comment was previously addressed. **No additional information is required.**
 - j. The revision to the ground water velocity calculation provided in Submittal 3 (Section 5.2.2 of the Hydrogeological Investigation) is noted. **No additional information is required.**
4. H.1.c. – Background Water Quality (Rule 62-701.410(1)(a)2., F.A.C.). This comment was previously addressed. **No additional information is required.**
5. H.1.e. – Site Stratigraphy (Rule 62-701.410(1)(a)4., F.A.C.).
- a. The response provided in Submittal 3 that individual boring logs for L-12 through L-17 are not available is noted. **No additional information is required.**
 - b. The response provided in Submittal 3 that all geological work was supervised by Mr. James Golden, P.G., is noted. **No additional information is required.**
 - c. The response that revised geological cross sections (Figures 5, 6, 6.1 and 6.2) have been provided to distinguish between the clayey sand and sandy clay/clay sediments and that a consistent sandy clay layer underlies the site is noted. Please respond to the comments provided regarding the revised cross sections:
 - i. The response provided in Submittal 3 describing the variability between borings L-13 and DCL01-9 is noted. **No additional information is required.**
 - ii. The response provided in Submittal 3 describing the revision to Figure 5 depicting the sandy clay/clay layer at boring B-7 and adjacent borings DCL01-9/L-13 is noted. **No additional information is required.**
 - iii. The response provided in Submittal 3 describing the revision to Figure 5 depicting the top of limestone at boring DCL01-11 is noted. **No additional information is required.**
 - iv. The response provided in Submittal 3 describing the revision to Figure 6 depicting the land surface elevation at boring B-2 is noted. **No additional information is required.**
 - v. The response provided in Submittal 3 describing the revision to Figure 6 depicting the sandy clay layer at boring B-8 is noted. **No additional information is required.**
 - vi. The response provided in Submittal 3 describing the revision to Figure 6.1 depicting the interpolated occurrence of limestone at boring B-15 is noted. **No additional information is required.**
 - vii. The response provided in Submittal 3 describing the revision to Figure 6.1 depicting the sandy clay layer at boring log DCL01-1 is noted. **No additional information is required.**
 - viii. The response provided in Submittal 3 describing the procedures to be implemented to ensure that the sandy clay/clay layer in the vicinity of boring DCL01-1 will not be breached is noted. **No additional information is required.**

- ix. The response provided in Submittal 3 indicating that the revisions to Figure 6.2 reflect review comments Nos. 3.b.ii. through 3.b.v., is noted. **No additional information is required.**
 - d. This comment was previously addressed. **No additional information is required.**
 - e. This comment was previously addressed. **No additional information is required.**
6. H.1.g/H.1.i -- Inventory of Public and Private Wells (Rule 62-701.410(1)(b), F.A.C.). This comment was previously addressed. **No additional information is required.**

Part I – Geotechnical Investigation (Rule 62-701.420, F.A.C.)

7. I.1.b. – Lineaments (Rule 62-701.410(2)(b), F.A.C.). This comment was previously addressed. **No additional information is required.**

Part L – Water Quality and Leachate Monitoring (Rule 62-701.510, F.A.C.)

8. L.1.c – Ground Water Monitoring (Rule 62-701.510(3), F.A.C.).
- a. The response provided in Submittal 3 indicating when proposed wells MW-1A and MW-14 will be installed and the revision to Section 5.3.1 of the Hydrogeological Investigation is noted. **No additional information is required.**
 - b. This comment was previously addressed. **No additional information is required.**
 - c. This comment was previously addressed. **No additional information is required.**
 - d. The response provided in Submittal 3 indicating that Section 5.3.2.2 of the Hydrogeological Investigation has been revised to clarify the source of historical ground water level data is noted. **No additional information is required.**
 - e. The response provided in Submittal 3 indicating that Section 5.3.2.2 and Figure 17 have been revised to reflect construction of the Floridan monitor wells with 10 or 15 feet of screen is noted. **No additional information is required.**
 - f. This comment was previously addressed. **No additional information is required.**
9. L.1.f. – Routine Sampling Frequency (Rule 62-701.510(6), F.A.C.).
- a. The response provided in Submittal 3 indicating that Section 5.4.2 of the Hydrogeological Investigation has been revised to reflect the staggered schedule of monitor well installation is noted. **No additional information is required.**
 - b. This comment was previously addressed. **No additional information is required.**
 - c. This comment was previously addressed. **No additional information is required.**
10. L.1.h. – Water Quality Monitoring Reports (Rule 62-701.510(9), F.A.C.). This comment was previously addressed. **No additional information is required.**

Attachments

jrm

Analytical Results Summary for Leachate Samples Collected at Class I/III/C&D Landfills

Facility Name -- West Pasco Class III Landfill
 Analytical Laboratory -- Pasco Co Env Lab (inorganics,metals)
 Flowers Lab (organics,metals)

County -- Pasco
 Approval of Sampling QA Plan -- Y

Sampling Frequency -- semi-annually
 Approval of Analytical QA Plan -- Y

PARAMETERS	Ground Water Standard	Leachate Sample Identification Number										Date Sampled	Data Received	Notes
		Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2	Tank 1	Tank 2			
		8/4/99	8/4/99	2/25/00	2/25/00	7/25/00	7/25/00	2/27/01	2/27/01	5/14/01	5/14/01			
Field Measurements														
pH (Std. Units)	6.5-8.5	6.64	6.85	6.58	6.67	6.41	6.72	6.68	6.68					
Dissolved Oxygen (mg/L)	NE	0.3	3.5	2.4	3.5	1	2.5	0.9	2.5					
Conductivity (µmhos/cm)	NE	1124	208	380	297	698	473	689	660					
Metals/Semimetals														
Antimony (mg/L)	0.006	<0.0002	<0.0002	0.00232	0.00138	<0.0001	<0.0001	<0.001	0.00271					
Arsenic (mg/L)	0.05	0.0235	0.00128	0.0252	0.00372	0.0037	0.00452	0.0479	0.00389					
Cadmium (mg/L)	0.005	0.00006	<0.00005	<0.00005	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001					
Chromium (mg/L)	0.1	0.014	0.00523	0.0165	0.00911	0.00578	0.00404	0.0252	0.00516					
Copper (mg/L)	1	0.00448	0.00543	0.00833	0.00639	<0.0001	0.00204	<0.001	0.00113					
Iron (mg/L)	0.3	0.19	0.22	1.62	4.71	0.42	0.42	0.38	0.5					
Lead (mg/L)	0.15	0.00064	0.00109	0.00114	0.00348	<0.0001	<0.0001	<0.001	<0.001					
Mercury (mg/L)	0.002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	0.0005	<0.0005	<0.0005					
Selenium (mg/L)	0.05	0.00177	0.00186	0.00114	<0.0007	<0.0001	<0.0001	0.00413	0.00493					
Silver (mg/L)	0.1	0.0009	0.00081	0.00037	0.0016	<0.00005	<0.00005	<0.0005	<0.0005					
Sodium (mg/L)	160	20.8	3.67	40.2	12.2	17.9	8.47	35.9	22.9					
Thallium (mg/L)	0.002	0.00024	<0.0001	0.00116	0.00018	<0.0001	<0.0001	<0.001	<0.001					
Zinc (mg/L)	5	0.0102	0.0192	0.00617	0.00989	<0.0001	<0.0001	0.00717	0.00744					
Inorganics														
Bicarbonate (mg/L)	NE	311	101	170	134	109	124	786	167					
Chlorides (mg/L)	250	49.3	8.34	145	107	3.2	4.4	133	10.24					
Nitrate (mg/L)	10	<0.11	2.08	<0.11	5.28	<0.11	9.89	<0.11	9.91					
Total ammonia (mg/L)	NE	3.88	0.21	2.98	0.3	2.3	0.55	8.57	4.41					
Total Dissolved Solids (mg/L)	500	600	168	302	282	512	424	1670	420					
Organics														
Benzene (µg/L)	1	<0.5	<0.5	<0.801	<0.801	<1	<1	1.06	<1					
Chlorobenzene (µg/L)	100	<0.5	<0.5	<0.449	<0.449	<1	<1	<1	<1					
1,2-dichlorobenzene (µg/L)	600	<0.5	<0.5	<0.674	<0.674	<1	<1	<1	<1					
1,4-dichlorobenzene (µg/L)	75	<0.5	<0.5	<1.19	<1.19	<1	<1	<1	<1					
1,2-dichloroethane (µg/L)	3	<1	<1	<0.642	<0.642	<1	<1	<1	<1					
1,1-dichloroethene (µg/L)	7	<1	<1	<1.7	<1.7	<1	<1	<1	<1					
Ethylbenzene (µg/L)	700	1.04	<0.5	<1.44	<1.44	<1	<1	<1	<1					
Methylene chloride (µg/L)	5	3.33	2.76	1	<0.766	<1	<1	<1	<1					Detected in eq. blk. 8/4/99
Naphthalene (µg/L)	6.8*	<1	<1	<2.82	<2.82	3.05	<1	<1	<1					
Tetrachloroethene (µg/L)	3	<1	<1	<1.46	<1.46	<1	<1	<1	<1					
Vinyl Chloride (µg/L)	1	<0.5	<0.5	<1.46	<1.46	<1	<1	<1	<1					
Appendix II parameters?		No	No	Yes	Yes	No	No	Yes	Yes					

NA = not analyzed

NS = not sampled

GWIS3 RETRIEVAL STATISTICS

6/20/01

Enterprise CI3, Dade City, Pasco Co.
50 mi Radius well search, 1621 Stations
SURFICIAL AQUIFER SYSTEM

Parameter Description	Meas. Units	No. Station	No. Sample	No. BDLs	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Depth to Water (from lse)	feet	109	342	12	0.63	5.24	7.535	11.2	46.51
Depth to Water (from mpe)	feet	474	4338	0	-19.66	4.695	6.6304	9.71	137.9
Eh, Field, (hydrogen electrode)	mv	480	2021	0	-264	-19	46.6467	154.575	906
Land Surface Elevation (from mse)	feet	102	961	0	3	18.8	66	112	264.9
Measuring Point Elevation (from mse feet)		403	1632	0	0	18.6175	33.39	74.645	210.29
MicroLanduse Category		350	401	0	0	1	1	2	5
Oxygen, Dissolved, Field	mg/L	449	1621	35	0	0.31	0.7	2.425	11.3
Purge Volume	gal	423	1161	0	1	18.4775	36	74.5295	6780
Specific Conductance, Field	uS/cm	615	5863	0	11	109.4457	390.5	698.5	48800
Water Level Elevation (from mse)	feet	449	3022	12	-21.72	12.03	25.5435	68.59	202.295
Water Temperature	øC	611	5856	0	18	22.8536	24.22	25.27	36.2
pH	s.u.	220	734	0	3.85	5.7	6.7	6.99	10.4
pH, Field	s.u.	551	5105	12	3.67	5.395	6.55	7.02	9.18
Alkalinity, Dissolved (as CaCO3)	mg/L	520	1881	240	0.5	10.4711	110	262.575	1390
Alkalinity, Total (as CaCO3)	mg/L	196	889	4	1	74.016	218.95	287.1717	532
Alkalinity, Total Field (as CaCO3)	mg/L	3	3	0	37	NSD	NSD	NSD	241
Bicarbonate Alkalinity, Diss. (as C mg/L)	mg/L	112	356	23	1	17.8834	98.6667	244.4167	630
Bicarbonate Alkalinity, Total (as C mg/L)	mg/L	71	103	4	1.5	6.3	25	96	320
Bicarbonate, Total (as HCO3)	mg/L	132	281	6	0.05	9.85	32.1	127.0861	382.7873
Calcium, Dissolved	mg/L	540	2530	9	0.22	5.8628	42.925	98.7923	563
Calcium, Total	mg/L	303	884	26	0.24	10.04	48.56	105.6556	857
Carbonate Alkalinity, Diss. (as CaC mg/L)	mg/L	60	73	72	0.05	0.5	1.5	2.525	5
Carbonate Alkalinity, Total (as CaC mg/L)	mg/L	44	44	37	0	0.5	0.5	0.5	1.5
Carbonate, Total (as CO3)	mg/L	99	106	79	0	0.05	0.05	0.05	70
Chloride, Dissolved	mg/L	541	2532	11	1.3	7.3242	16.5	50.3333	19000
Chloride, Total	mg/L	294	848	3	0.5	9.4	21.675	55.8	8520
Color	Pt-Co	300	347	13	2.5	15	60	150	4500
Fluoride, Dissolved	mg/L	537	2431	1213	0.025	0.05	0.1033	0.25	2.8667
Fluoride, Total	mg/L	295	877	168	0.008	0.0715	0.18	0.3768	2.965
Hardness, Noncarbonate	mg/L	250	785	0	0.8018	6.4724	16.944	48.3181	3705.824
Hardness, Total	mg/L	382	1744	5	0.2	34.9315	178.468	299.9932	3927.77
Magnesium, Dissolved	mg/L	587	3160	77	0.1212	1.3834	3.35	9.4781	1180
Magnesium, Total	mg/L	191	252	3	0.05	1.3725	2.9	7.705	401
Organic Carbon, Dissolved	mg/L	148	160	15	0.5	2.325	6.2	13	75
Organic Carbon, Total	mg/L	578	1644	181	0.05	3.814	10.0625	21	415.15
Oxygen, Dissolved	mg/L	6	6	0	0	0.1	1	3.5	5.2
Potassium, Dissolved	mg/L	540	2528	150	0.0415	0.5958	1.19	3.0927	309.5
Potassium, Total	mg/L	304	885	6	0.01	0.5738	1.175	3.179	601.6
Silicate, Total	mg/L	2	2	0	16	NSD	NSD	NSD	25
Sodium Absorption Ratio		328	1113	0	0.0212	0.3006	0.5465	1.0128	45.6687
Sodium Percent		321	1085	0	0.7308	13.7589	23.5286	38.586	91
Sodium+Potassium	mg/L	318	1086	0	1.485	6.14	12.9575	34.9	6745
Sodium, Dissolved	mg/L	541	2533	1	0.69	4.4189	11.05	34.8	9170
Sodium, Total	mg/L	303	882	2	0.7	5.4	14	35.0469	3730
Specific Conductance	uS/cm	500	738	1	12	91.0833	310	655	30000
Specific Conductance, QA	uS/cm	384	1315	0	20	102	364.3334	676.4286	34400
Sulfate, Dissolved	mg/L	539	2502	283	0.1	1.7667	5.75	22.5	2100
Sulfate, Total	mg/L	296	866	196	0.05	4.225	10	29.85	1050
Sulfide Odor		293	522	0	0	NSD	NSD	2	26.7
Sulfide, Total	mg/L	468	699	363	0.014	0.025	0.069	0.4663	51
Total Dissolved Solids (TDS measure mg/L)	mg/L	334	1335	1	1.35	99	262.8309	433.5	17700
Total Dissolved Solids (TDS-calculation mg/L)	mg/L	264	333	0	14	84.8147	266.6227	451.7732	21951
Total Suspended Solids (TSS)	mg/L	17	19	0	8.205	15.6	43.34	105.1	982.4
Turbidity	ntu	527	1243	35	0.05	4.675	16	62.5	4005.5
Turbidity, Field	ntu	35	196	0	0.002	0.64	1.3622	7.3578	231
Turbidity, Lab	ntu	30	31	0	2.4	16	30.25	116	3700

GWIS3 RETRIEVAL STATISTICS

6/20/01

Enterprise CI3, Dade City.Pasco Co.
50 mi Radius well search,1621 Stations
SURFICIAL AQUIFER SYSTEM

Parameter Description	Meas. Units	No. Station	No. Sample	No. BDLS	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
pH, Lab	s.u.	181	232	0	3.87	6.14	6.84	7.18	11.24
Aluminum, Dissolved	ug/L	497	1004	298	7.2	17.5	32	108	13770
Aluminum, Suspended	ug/L	196	218	36	5	21	127.5	732.5	45769
Aluminum, Total	ug/L	447	704	37	10	70	264.5	949	237000
Antimony, Dissolved	ug/L	68	74	48	0.1	0.2	1	1.245	7.6
Antimony, Total	ug/L	292	317	272	0.04	0.1	0.2	0.75	5.5
Arsenic, Dissolved	ug/L	258	318	221	0.005	0.55	1.49	3	30.15
Arsenic, Total	ug/L	561	1403	933	0.3	0.75	1	2.6667	213.3333
Barium, Dissolved	ug/L	499	1084	148	0.25	8.9381	18.7	31.1	131
Barium, Suspended	ug/L	187	206	200	50	50	50	50	408
Barium, Total	ug/L	517	1029	212	0.05	9.845	18	36.8	845.5333
Beryllium, Dissolved	ug/L	258	281	276	0.03	0.1	0.15	0.2	1
Beryllium, Total	ug/L	292	318	300	0.01	0.2	0.25	0.25	4
Cadmium, Dissolved	ug/L	384	550	388	0.0025	0.04	0.1	0.25	31.025
Cadmium, Total	ug/L	546	1218	829	0.01	0.26	0.4475	0.6667	84
Chromium, Dissolved	ug/L	449	814	699	0.005	1.7433	2.5	2.8333	23
Chromium, Suspended	ug/L	63	66	30	0.5	0.5	1	2	82
Chromium, Total	ug/L	565	1462	882	0.1	2.0333	3.8667	6.5	935.7
Cobalt, Dissolved	ug/L	22	22	17	0.2	0.2	0.2	0.2	0.89
Cobalt, Total	ug/L	10	10	8	0.2	0.2	0.2	5	50
Copper, Dissolved	ug/L	503	998	805	0.015	2.3698	3.225	5	839
Copper, Suspended	ug/L	34	36	11	0.5	3	9.5	20	620
Copper, Total	ug/L	564	1471	692	0.1935	2.75	5	9.0625	747.5
Iron, Dissolved	ug/L	589	3105	365	1.5	48.8667	387.5	1417.241	40700
Iron, Suspended	ug/L	311	396	19	0.2	70	292	1500	46100
Iron, Total	ug/L	568	1737	24	5	315	1296.5	4379.167	144717
Lead, Dissolved	ug/L	513	1170	880	0.05	0.3625	0.5	1	2240
Lead, Suspended	ug/L	252	313	32	0.5	1.25	5.25	20.25	7370
Lead, Total	ug/L	563	1464	344	0.05	1.435	5.575	19.3934	3750
Manganese, Dissolved	ug/L	507	1573	304	0.014	5	11.4	27.875	1002.5
Manganese, Suspended	ug/L	178	196	113	0.5	0.5	0.5	3	300
Manganese, Total	ug/L	564	1460	159	0.3	7	14.975	42.425	1349.267
Mercury, Dissolved	ug/L	170	219	207	0.0001	0.0501	0.1	0.1	1.5001
Mercury, Total	ug/L	540	1107	924	0.05	0.05	0.05	0.09	26.025
Nickel, Dissolved	ug/L	482	912	829	0.03	2.515	3.5	5	62
Nickel, Suspended	ug/L	37	37	28	0.5	0.5	0.5	0.5	30
Nickel, Total	ug/L	465	803	686	0.35	3	4.3333	5	51.6667
Selenium, Dissolved	ug/L	205	261	222	0.005	1	1	2	11.6
Selenium, Total	ug/L	501	999	904	0.5	0.5	0.75	2	16
Silver, Dissolved	ug/L	416	687	656	0.015	0.2625	0.5	0.5	3.05
Silver, Suspended	ug/L	23	24	22	0.5	0.5	0.5	0.5	1
Silver, Total	ug/L	518	1007	882	0.02	0.26	0.5	2.1667	25
Strontium, Dissolved	ug/L	588	1796	81	1.5	32.425	238.7857	730	78900
Strontium, Suspended	ug/L	158	172	121	5	5	5	22	1329
Strontium, Total	ug/L	471	806	27	2	37.3167	219	677.3333	78000
Thallium, Dissolved	ug/L	72	78	53	0.01	0.025	0.05	1.5	6
Thallium, Total	ug/L	292	317	263	0.005	0.02	0.025	0.05	12
Vanadium, Dissolved	ug/L	292	319	219	0.2	1	1	2	36
Vanadium, Total	ug/L	292	317	177	0.25	1	2	5	202
Zinc, Dissolved	ug/L	507	1585	797	0.12	4	8	19.9773	3281.667
Zinc, Suspended	ug/L	160	177	117	5	5	5	21.5	14190
Zinc, Total	ug/L	557	1461	411	1	8.5	18	42.3333	25800
Cyanide, Dissolved	mg/L	22	25	25	0.005	0.005	0.005	0.005	0.005
Cyanide, Total	mg/L	180	207	198	0.0025	0.0025	0.005	0.005	0.0233
Ammonia+Organic Nitrogen, Dissolved	mg/L	499	1042	119	0.03	0.215	0.605	1.1292	27
Ammonia, Dissolved (As NH4)	mg/L	184	203	0	0.0258	0.161	0.3542	0.7405	4.8938
Ammonia, Dissolved (as N)	mg/L	574	1771	178	0.0025	0.0542	0.2317	0.51	50

GWIS3 RETRIEVAL STATISTICS

6/20/01

Enterprise CI3, Dade City, Pasco Co.
50 mi Radius well search, 1621 Stations
SURFICIAL AQUIFER SYSTEM

Parameter Description	Meas. Units	No. Station	No. Sample	No. BDLS	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Ammonia, Total (as N)	mg/L		28	28	6	0.005	0.0625	0.285	2.4
Nitrate+Nitrite, Dissolved (As NO3)	mg/L		48	66	0	0.13	0.1786	0.4414	146.2432
Nitrate+Nitrite, Dissolved (as N)	mg/L		539	2472	952	0.002	0.013	0.03	30
Nitrate+Nitrite, Total (as N)	mg/L		267	790	210	0.0005	0.0057	0.016	33.91
Nitrate, Dissolved (as N)	mg/L		27	183	92	0.0109	0.0259	0.0483	3.175
Nitrate, Total (as N)	mg/L		153	628	288	0.002	0.0065	0.0172	6.1112
Nitrate, Total (as NO3)	mg/L		1	4	3	0.045	NSD	NSD	0.045
Nitrite, Dissolved (as N)	mg/L		20	134	130	0.005	0.01	0.01	0.0167
Nitrite, Total (as N)	mg/L		116	635	421	0.002	0.0023	0.0039	0.1993
Nitrogen, Dissolved	mg/L		118	129	0	0.24	0.65	1.005	2.24
Organic Nitrogen, Dissolved	mg/L		193	213	13	0.1	0.28	0.41	4.46
Orthophosphate, Dissolved (as P)	mg/L		547	1733	330	0.002	0.012	0.036	9.9
Orthophosphate, Dissolved (as PO4)	mg/L		1	1	0	0.092	NSD	NSD	0.092
Orthophosphate, Total (as P)	mg/L		101	118	26	0.0025	0.0433	0.104	1.815
Phosphate, Total	mg/L		81	91	5	0.0015	0.042	0.118	1.39
Phosphorus, Dissolved (as P)	mg/L		520	1176	100	0.002	0.0223	0.0512	0.13
Phosphorus, Total (as P)	mg/L		68	219	27	0.005	0.0413	0.0506	1.4498
Silica, Dissolved	mg/L		580	1756	7	0.5	5.225	8.8834	88
1,1,1-Trichloroethane	ug/L		477	1201	1194	0.25	0.25	0.25	1850.125
1,1,1,2-Tetrachloroethane	ug/L		473	1213	1211	0.25	0.25	0.25	64.125
1,1,2-Trichloroethane	ug/L		479	1227	1226	0.25	0.25	0.25	8.5833
1,1-Dichloroethane	ug/L		479	1245	1240	0.25	0.25	0.25	1600.125
1,1-Dichloroethene	ug/L		479	1245	1242	0.25	0.25	0.25	9.625
1,1-Dichloropropane	ug/L		22	25	25	0.25	0.25	0.25	0.25
1,2-Dibromo-3-chloropropane (DBCP)	ug/L		39	43	43	0.01	0.01	0.01	0.5
1,2-Dibromoethane (EDB)	ug/L		198	498	498	0.0025	0.25	2.5	2.5
1,2-Dichlorobenzene	ug/L		473	1251	1247	0.25	0.25	0.3333	8.5833
1,2-Dichloroethane	ug/L		479	1245	1244	0.25	0.25	0.25	8.5833
1,2-Dichloroethene (cis)	ug/L		142	412	412	0.25	2.5	2.5	2.5
1,2-Dichloroethene (trans)	ug/L		479	1219	1219	0.25	0.25	0.25	8.5833
1,2-Dichloropropane	ug/L		479	1245	1241	0.25	0.25	0.25	8.5833
1,3-Dichlorobenzene	ug/L		467	1227	1227	0.25	0.25	0.3125	8.5833
1,3-Dichloropropene	ug/L		155	350	350	0.25	0.25	0.25	10
1,3-Dichloropropene (cis)	ug/L		460	1067	1067	0.25	0.25	0.25	12.75
1,3-Dichloropropene (trans)	ug/L		460	1069	1069	0.25	0.25	0.25	8.5833
1,4-Dichlorobenzene	ug/L		467	1227	1218	0.25	0.25	0.3125	8.5833
2,4,5-TP (Silvex)	ug/L		69	71	71	0.001	0.001	0.001	0.025
2,4-D	ug/L		89	95	93	0.0025	0.0025	0.0025	3.69
2,4-DB	ug/L		22	25	25	0.5	0.5	0.5	0.5
2-Chloroethylvinyl ether	ug/L		479	1244	1244	0.25	0.25	0.25	8.5833
2378-Tetrachlorodibenzo-P-Dioxin (T)	ug/L		7	7	7	5	5	5	5
3-Hydroxycarbofuran	ug/L		296	335	335	0.5	1	1	2.5
Acrolein	ug/L		45	45	45	0.5	0.5	12.5	25
Acrylonitrile	ug/L		45	45	45	0.5	0.5	12.5	25
Alachlor	ug/L		307	356	356	0.075	0.145	0.145	0.5
Aldicarb	ug/L		306	356	356	0.1	1	1	3
Aldicarb sulfone	ug/L		296	335	335	0.25	1	1	2.5
Aldicarb sulfoxide	ug/L		295	334	334	0.25	1	1	2.5
Aldrin	ug/L		325	419	419	0.002	0.0048	0.0048	5
Ametryne	ug/L		1	1	1	0.015	NSD	NSD	0.015
Atrazine	ug/L		307	357	355	0.0133	0.024	0.024	0.39
BHC, Alpha	ug/L		302	387	387	0.0047	0.0048	0.0048	3.335
BHC, Beta	ug/L		302	361	361	0.0042	0.0048	0.0048	2.1683
BHC, Delta	ug/L		302	361	361	0.0038	0.0048	0.0048	2.1683
BHC, Gamma (Lindane)	ug/L		328	449	449	0.0003	0.0048	0.0048	3.335
Benfluralin	ug/L		22	25	25	0.002	0.005	0.005	0.005
Benzene	ug/L		473	1221	1213	0.25	0.25	0.25	8.5833

GWIS3 RETRIEVAL STATISTICS

6/20/01

Enterprise CI3, Dade City.Pasco Co.
50 mi Radius well search,1621 Stations
SURFICIAL AQUIFER SYSTEM

Parameter Description	Meas. Units	No. Station	No. Sample	No. BDLS	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Bromacil	ug/L	307	356	343	0.073	0.145	0.145	0.15	67
Bromodichloromethane	ug/L	479	1245	1245	0.25	0.25	0.25	0.5	8.5833
Bromoform	ug/L	479	1249	1249	0.25	0.25	0.25	0.5	8.5833
Bromomethane	ug/L	409	942	942	0.25	0.25	0.375	1.9375	12.75
Captan	ug/L	1	1	1	0.005	NSD	NSD	NSD	0.005
Carbaryl	ug/L	296	335	335	0.5	1	1	1	2.5
Carbofuran	ug/L	306	359	353	0.5	1	1	1	12.8
Carbon tetrachloride	ug/L	479	1245	1245	0.25	0.25	0.25	0.5	8.5833
Carbophenothion (Trithion)	ug/L	1	1	1	0.01	NSD	NSD	NSD	0.01
Chlordane	ug/L	329	411	411	0.005	0.05	0.095	0.095	5.025
Chlorobenzene	ug/L	479	1245	1242	0.25	0.25	0.25	0.6437	8.5833
Chlorobenzilate	ug/L	295	334	334	0.0235	0.024	0.024	0.0245	0.1
Chloroethane	ug/L	479	1245	1245	0.25	0.25	0.25	0.5	8.5833
Chloroform	ug/L	479	1245	1232	0.25	0.25	0.3125	1.325	8.5833
Chloromethane	ug/L	479	1245	1244	0.25	0.25	0.3125	0.75	8.5833
Chloropicrin	ug/L	37	40	40	0.001	0.001	0.005	0.005	0.005
Chlorothalonil (Bravo)	ug/L	22	25	25	0.001	0.01	0.01	0.01	0.01
Chlorotoluene	ug/L	31	34	34	0.25	0.25	0.25	0.25	0.5
Chlorpyrifos	ug/L	298	337	337	0.005	0.0475	0.0478	0.0485	0.06
DDD (p,p')	ug/L	329	438	438	0.005	0.0095	0.0095	0.01	2.505
DDE (p,p')	ug/L	329	438	438	0.002	0.0095	0.0095	0.01	5.27
DDT (p,p')	ug/L	329	450	450	0.005	0.0098	0.0145	0.0145	2.675
Dacthal (DCPA)	ug/L	15	15	15	0.025	0.25	0.25	0.25	0.25
Demeton	ug/L	7	7	7	0.5	0.5	0.5	0.5	0.5
Diazinon	ug/L	302	350	344	0.005	0.0475	0.0479	0.0485	1.8
Dibromochloromethane	ug/L	479	1245	1245	0.25	0.25	0.25	0.5	8.5833
Dicamba	ug/L	22	25	25	2.5	2.5	2.5	2.5	2.5
Dichloran	ug/L	1	1	1	0.002	NSD	NSD	NSD	0.002
Dichlorobenzene	ug/L	119	384	384	0.5	2.5	2.5	2.5	2.5
Dichlorodifluoromethane	ug/L	283	614	614	0.25	0.5	0.5	2.5	5
Dicofol (Kelthane)	ug/L	22	25	25	0.005	0.01	0.01	0.01	0.01
Dieldrin	ug/L	329	449	449	0.001	0.0095	0.0095	0.01	2.67
Disulfoton	ug/L	298	337	337	0.025	0.07	0.07	0.075	0.09
Diuron	ug/L	307	360	353	0.0045	0.2	0.2	0.2	15.2
Endosulfan I	ug/L	329	428	428	0.0047	0.0073	0.0095	0.0095	4.0033
Endosulfan II	ug/L	302	370	370	0.0047	0.0095	0.0095	0.01	4.0083
Endosulfan sulfate	ug/L	302	378	369	0.0095	0.0095	0.0095	0.01	2.7625
Endrin	ug/L	330	410	410	0.0005	0.0123	0.024	0.0243	6
Endrin aldehyde	ug/L	302	354	354	0.0095	0.0145	0.0145	0.0145	5.5
Ethion	ug/L	298	337	337	0.0192	0.024	0.024	0.0245	0.03
Ethoprop	ug/L	307	357	355	0.005	0.0475	0.0475	0.0485	0.7877
Ethyl Parathion	ug/L	66	67	67	0.0045	0.005	0.005	0.005	0.035
Ethylbenzene	ug/L	473	1221	1216	0.25	0.25	0.25	1.75	500
Fenamiphos	ug/L	307	357	356	0.005	0.145	0.145	0.145	0.25
Heptachlor	ug/L	329	412	412	0.0015	0.0048	0.0048	0.0049	5
Heptachlor epoxide	ug/L	329	413	412	0.0047	0.0095	0.0095	0.0115	5
Hexazinone	ug/L	307	356	351	0.05	0.095	0.095	0.1	1.3
Imidacloprid	ug/L	278	311	311	0.2	0.2	0.2	0.2	0.2
Iprodione	æg/L	278	311	311	0.375	0.38	0.385	0.39	0.48
Isodrin	ug/L	276	310	310	0.0073	0.0095	0.0095	0.0095	0.012
Isofenphos	ug/L	298	337	337	0.0382	0.0475	0.048	0.049	0.1
Linuron	ug/L	278	311	311	0.2	0.2	0.2	0.2	0.2
Malathion	ug/L	284	323	323	0.005	0.07	0.07	0.075	0.1
Metalaxyl	ug/L	299	338	337	0.25	0.285	0.29	0.295	4.7
Metam Sodium	ug/L	15	15	15	1.5	1.5	1.5	1.5	1.5
Methamidophos	ug/L	22	25	25	0.045	1	1	1	1
Methomyl	ug/L	306	575	574	0.5	1	1	1	24.75

GWIS3 RETRIEVAL STATISTICS

6/20/01

Enterprise CI3, Dade City, Pasco Co.
50 mi Radius well search, 1621 Stations
SURFICIAL AQUIFER SYSTEM

Parameter Description	Meas. Units	No. Station	No. Sample	No. BDLS	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Methoxychlor	ug/L	311	384	384	0.005	0.0238	0.024	0.0245	0.0878
Methyl Azinphos (Guthion)	ug/L	283	322	322	0.08	0.095	0.095	0.0975	1
Methyl Parathion	ug/L	298	338	338	0.025	0.0475	0.0478	0.0485	0.06
Methyl tert-Butyl Ether (MTBE)	ug/L	31	34	34	0.25	0.25	0.25	0.5	5
Methylene chloride	ug/L	479	1245	1242	0.25	0.25	0.25	0.8	8.5833
Methylisothiocyanate (MITC)	ug/L	22	25	25	37.5	37.5	37.5	37.5	37.5
Metolachlor	ug/L	278	311	311	0.235	0.24	0.24	0.245	0.3
Metribuzin	ug/L	307	356	356	0.0025	0.095	0.095	0.1	0.25
Mevinphos	ug/L	298	337	337	0.005	0.12	0.12	0.12	0.15
Mirex	ug/L	66	67	67	0.0005	0.0005	0.0005	0.0005	0.015
Naled	ug/L	298	337	337	0.05	0.38	0.3825	0.39	0.48
Norflurazon	ug/L	298	337	334	0.1283	0.145	0.145	0.145	3.2
Oxamyl	ug/L	306	359	359	0.5	1	1	1	6.1
PCNB	ug/L	276	310	310	0.0067	0.0095	0.0095	0.0095	0.012
Pendimethalin	ug/L	22	25	25	0.005	1	1	1	1
Permethrin	ug/L	22	25	25	0.1	0.5	0.5	0.5	0.5
Perthane	ug/L	1	1	1	0.1	NSD	NSD	NSD	0.1
Phorate	æg/L	278	311	311	0.0465	0.0475	0.048	0.0485	0.06
Picloram	ug/L	22	25	25	0.01	0.01	0.01	0.01	0.01
Prometon	ug/L	218	246	246	0.08	0.095	0.095	0.095	0.12
Prometryn	ug/L	298	337	337	0.0382	0.0475	0.048	0.049	0.5
Propazine	ug/L	21	22	17	0.0325	0.05	0.05	0.05	0.37
Propoxur	ug/L	296	352	351	0.5	1	1	1	3.75
Simazine	ug/L	307	357	355	0.0145	0.024	0.024	0.025	0.66
Strobane	ug/L	1	1	1	0.25	NSD	NSD	NSD	0.25
Styrene	ug/L	38	40	40	0.25	0.25	0.25	0.5	2.5
Tebuthiuron (GRASLAN, SPIKE)	ug/L	218	245	245	0.465	0.475	0.48	0.485	0.6
Terbufos	ug/L	298	337	337	0.05	0.07	0.07	0.075	0.25
Terbutylazine	ug/L	1	1	1	0.1	NSD	NSD	NSD	0.1
Terbutryn	ug/L	1	1	1	0.025	NSD	NSD	NSD	0.025
Tetrachloroethene	ug/L	479	1271	1270	0.25	0.25	0.25	0.625	8.5833
Toluene	ug/L	473	1223	1167	0.25	0.25	0.3125	1.375	45.3725
Toxaphene	ug/L	330	418	418	0.0375	0.355	0.355	0.365	366.6667
Triademefon	ug/L	298	337	337	0.1133	0.12	0.12	0.125	0.5
Trichloroethene	ug/L	479	1227	1226	0.25	0.25	0.25	0.5275	8.5833
Trichlorofluoromethane	ug/L	452	1088	1077	0.25	0.25	0.3417	1.5679	8.5833
Trifluralin	ug/L	22	25	25	0.005	0.005	0.005	0.005	0.005
Trimethylbenzene	ug/L	7	7	7	2.5	2.5	2.5	2.5	2.5
Vinyl Chloride	ug/L	479	1245	1228	0.25	0.25	0.25	1.3929	8.5833
Xylenes	ug/L	403	695	680	0.25	0.25	0.25	0.25	12.625

NOTE: Data from different water bodies were re-analyzed separately.
 NOTE: Values below detection limit were treated as 1/2 detection limit.
 NOTE: Multiple values at a single station were averaged.
 NOTE: Upper and lower quartiles estimated from upper and lower fourths (Hollander, Mosteller, Tukey 1983).
 NOTE: NSD indicates insufficient data for calculation.

re analyzed separately.
 treated as 1/2 detection limit.
 were averaged.
 from upper and lower fourths (Hollander, Mosteller, Tukey 1983).
 calculation.

Bob
JM
JMM
7/16/01

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 6/18/01
Time 4:20

Subject Enterprise - COT
Permit No. _____
County Pasco
Telephone No. _____

M. JENNIFER DEAL
Representing HALTMAN

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- 1. JTD RETURNED my CAM. I SAID I REVIEWED THE FAXED PAGES AND LOOKS OK BUT I NEED FINAL REPLACEMENT PAGES
- 1. REVIEWED fig 3-24, 25, 26 & 27 NEEDS FOR ENG REPORT
- 2. CORRECT DATE WILL BE ON COVER OF ENG REPORT & OPS PLAN
- 3. REVISION DATES WILL BE ON EACH PAGE TO SHOW RESPONSES TO RAE'S
- 4. SITE PLANS WILL BE COMPLETE - ALL SAME DATE, SIGNED & SEALED.

JTD SAID WILL SEND THIS WK
I SAID ONE SET OF ALL OK AND I WILL REVIEW FINAL SETS AND DISCUSS WITH JOHNN.

(continue on another sheet, if necessary)

Signature [Signature]

Title _____



HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & 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: John Morris FROM: Jennifer Deal
 FAX: 813-744-6125 DATE: 6/7/01
 RE: Correction to PROJECT: HAI# 99-331.01
May 29, 2001 submittal

We are sending you 2 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
- Will be sent via overnight mail
- Will be sent by facsimile only
- Will be sent by hand delivery

MESSAGE:

John,

The following table is to replace the table in the
May 29, 2001 submittal. Part of the first equation
had inadvertently been deleted. Please call me if
you have any questions. Thank you.

Jennifer

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

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

Parameters	Units	Average Leachate* Concentration (C _L)	FDEP Standard or (Guidance) Concentration	Diluted Concentration (C _D)	Number of Landfills with Exceedences
Chloride	mg/L	309	250	54	4
Iron	mg/L	4	0.3	0.7	4
Sodium	mg/L	196	160	35	4
TDS	mg/L	2062	500	363	4
Antimony	μg/L	14	6	2	3
Manganese	μg/L	167	50	29	3
Thallium	μg/L	4	2	1	2
1,2-Dichloroethane	μg/L	9.4	3	1.7	1
Benzene	μg/L	3.5	1	0.6	4
Isopropylbenzene	μg/L	1.3	(0.8)	0.2	2
Methylene chloride	μg/L	9.0	5	1.6	2
Naphthalene	μg/L	15.6	(6.8)	2.7	4
p-Cresol	μg/L	216.0	(35)	38.0	1
Phenols	μg/L	52.0	(10)	9.2	4
Trichloroethylene	μg/L	74.9	3	13.2	1
Vinyl Chloride	μg/L	18.1	1	3.2	2

*Source: Florida Class III Lined Landfill Leachate Data Summary Report
 FDEP May 18, 2000

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:

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

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

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

WHERE:

C_D = Calculated diluted concentration of potential pollutants

C_L = Average leachate concentration of potential pollutants

C_b = Background concentration of potential pollutants

A_c = Area of Cells 1 and 2

A_u = Area of region that is upgradient of Cells 1 and 2 that contributes groundwater

R = Rainfall

053101

HARTMAN & ASSOCIATES, INC.

PRINCIPALS:

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

SENIOR ASSOCIATES:

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

engineers, hydrogeologists, surveyors & management consultants

May 31, 2001

HAI #99-331.01
Phase 1
File 13.2.1

ASSOCIATES:

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

D.E.P.
JUN 01 2001
Southwest District Tampa

VIA UPS OVERNIGHT

Mr. John R. Morris, P.G.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**Subject: Addendum to Response to Request for Additional Information, dated May 2, 2001
Sid Larkin & Son, Inc.
Enterprise Recycling & Disposal Facility
Pending Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida**

Dear Mr. Morris:

On behalf of Sid Larkin & Son, Inc., Hartman & Associates, Inc. (HAI) is submitting an addendum to your comment requesting a demonstration to indicate that groundwater standards and criteria will not be exceeded at the zone of discharge from the disposal cells. Included in the comment was a reference to the publication *Florida Class III Lined Landfill Leachate Data Summary Report*.

HAI does not consider these data to be representative of typical Class III landfill leachate for the following reasons. The average detections do not include all of the data obtained. Samples that had no detections were not included, therefore causing the averages to be extremely conservative and weighted towards the problem landfills.

The attached Table 1, Calculated Dilution of Potential Pollutants, presents calculated parameter concentrations once dilution has occurred. This dilution is the result of rainfall coming from the upgradient groundwater basin from west to east across the site. These diluted concentrations are considered to be conservative in that dispersion, diffusion, sorption, volatilization, and biodegradation have not been accounted for in the equations. Concentrations of only four parameters remained above standards or target levels after dilution. These include iron, p-cresol, trichloroethylene, and vinyl chloride. The last three of these parameters only occurred in one of two landfills as presented in Table 1. Detections for several of the parameters from the entire list from the FDEP leachate report occurred at only one or two of the landfills. These detections generally indicate mismanagement of the landfill and disposal of waste materials prohibited for disposal at a Class III landfill and should not be considered representative. Please see the following examples.

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Mr. John R. Morris, P.G.
May 31, 2001
Page 2

Detected Parameter	Common Sources	Landfills with Detections
p-cresol	Disinfectant, herbicides, phenolic resin	1
trichloroethylene	dry cleaning fluid, solvents, degreasers, refrigerants, fumigants	1
vinyl chloride	Solvents, refrigerants	2

Additionally, the landfills with the above detections are older facilities that may not have been managed under the more stringent regulations that new facilities are required to follow. HAI is trying to use reasonable assumptions in our demonstration and believe that the use of such data is unreasonable.

HAI believes the only parameters that should be considered are those that were detected at all four landfills. Since only the detected concentrations were used, the averages are still conservative, but may be considered as more representative of typical Class III landfill leachate. The attached Table 2, Calculated Dilution of Potential Pollutants Detected at All Sites in FDEP Leachate Report, presents these parameters and the diluted concentrations.

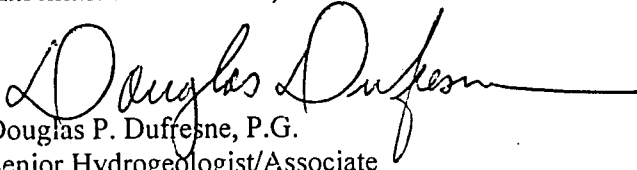
Based on our calculations, the only parameter expected to exceed the State groundwater standards or minimum criteria beyond the zone of discharge is iron, which naturally occurs commonly above 0.3 mg/L concentration in the unconfined surficial aquifer. Therefore, HAI believes that a sufficient demonstration has been provided.

We trust that this demonstration will provide for approval of the above pending permits. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer


Douglas P. Duffresne, P.G.
Senior Hydrogeologist/Associate

JLD/sas/99-331.01/Ph1/corresp/Morris.dpd

Attachments

cc: Jon Larkin, Sid Larkin & Son, Inc.
James E. Golden, P.G., HAI

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

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Chloride	mg/L	309	250	54	4
Iron	mg/L	4	0.3	0.7	4
Sodium	mg/L	196	160	35	4
TDS	mg/L	2062	500	363	4
Antimony	μg/L	14	6	2	3
Manganese	μg/L	167	50	29	3
Thallium	μg/L	4	2	1	2
1,2-Dichloroethane	μg/L	9.4	3	1.7	1
Benzene	μg/L	3.5	1	0.6	4
Isopropylbenzene	μg/L	1.3	(0.8)	0.2	2
Methylene chloride	μg/L	9.0	5	1.6	2
Naphthalene	μg/L	15.6	(6.8)	2.7	4
p-Cresol	μg/L	216.0	(35)	38.0	1
Phenols	μg/L	52.0	(10)	9.2	4
Trichloroethylene	μg/L	74.9	3	13.2	1
Vinyl Chloride	μg/L	18.1	1	3.2	2

*Source: Florida Class III Lined Landfill Leachate Data Summary Report
FDEP May 18, 2000

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:

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

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

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

WHERE:

- C_D = Calculated diluted concentration of potential pollutants
- C_L = Average leachate concentration of potential pollutants
- C_b = Background concentration of potential pollutants
- A_c = Area of Cells 1 and 2
- A_u = Area of region that is upgradient of Cells 1 and 2 that contributes groundwater
- R = Rainfall

TABLE 2
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA
CALCULATED DILUTION OF POTENTIAL POLLUTANTS
DETECTED AT ALL SITES IN FDEP LEACHATE REPORT

Parameters	Units	Average Leachate* Concentration (C _L)	FDEP Standard or (Guidance) Concentration	Diluted Concentration (C _D)
Chloride	mg/L	309	250	54
Iron	mg/L	4	0.3	0.7
Sodium	mg/L	196	160	35
TDS	mg/L	2062	500	363
Benzene	μg/L	3.5	1	0.6
Naphthalene	μg/L	15.6	(6.8)	2.7
Phenols	μg/L	52.0	(10)	9.2

*Source: Florida Class III Lined Landfill Leachate Data Summary Report
FDEP May 18, 2000

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:

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

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

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

WHERE:

C_D = Calculated diluted concentration of potential pollutants

C_L = Average leachate concentration of potential pollutants

C_b = Background concentration of potential pollutants

A_c = Area of Cells 1 and 2

A_u = Area of region that is upgradient of Cells 1 and 2 that contributes groundwater

R = Rainfall

Bo...

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/24/01
Time 1155

Subject ENTERPRISE CELL
Permit No. _____
County PAISLEY
Telephone No. 407 8393955

M. Jim Golson
Representing HARTMAN

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting Jotter m

Summary of Conversation/Meeting
JG explained that because JG
RETURNED message suggested the
PREVIOUS RESPONSE AS COMPLETE THE DEP MAY
HAVE TO BASE ITS PERMITTING DECISION ON
THAT INFO ONLY, NOTHING ELSE AND MAY END
A DENIAL. JG SAID THAT WAS NOT INTENT
I MENTIONED I WOULD WANT FULL 30 DAYS TO
REVIEW OR DISCUSS THE DISK W/ GW MODELING
W/ OTHERS IF NEEDED. JG UNDERSTOOD
THAT CLOCK FOR 30 DAY REVIEW WOULD
START UNTIL THE SUPPLEMENTAL DISK/MODELING
IS RECEIVED BY DEP.

(continue on another
sheet, if necessary)

Signature [Signature]
Title _____

205

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/24

Subject ENTERPRISE CTR

Time 11:50

Permit No. _____

County PALM

M Jim Golden

Telephone No. _____

Representing Harmon

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting Timothy

I called and left message that his recent response is not on the clock until an inquiry is received - because he says in his letter the the good modeling was not included.

I said if DEP needed any of the recent response early then only at a courtesy since it is not complete.

(continue on another sheet, if necessary)

Signature [Signature]

Title _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/24/01 Subject ENTERPRISE CLASS III
Time 1130 Permit No. PENDING
County PASCO
MR JIM GOLDEN Telephone No. 407-839-3955
Representing HARTMAN & ASSOCIATES

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- J.G. WANTED TO VERIFY THAT I HAD RECEIVED THE RAI RESPONSES FOR THE ENTERPRISE CLASS III APPLICATION
- I INDICATED I HAD RECEIVED A COPY FROM KIM FORD & ASKED JIM IF THE GW MODELING INFORMATION HAD BEEN SUBMITTED YET
- J.G. INDICATED THEY WERE IN THE MIDDLE OF THE GW MODELING EFFORT & HAD TO SPEND TIME DE-BUGGING THE MODEL RECEIVED FROM THE SUPPLIER
- HE THINKS IT WILL BE A WEEK OR SO BEFORE IT IS SUBMITTED TO DEP
- HE WOULD PREFER FOR THE PORTION OF THE SUBMITTAL ALREADY RECEIVED TO BE ON THE CLOCK & REVIEW THE GW MODELING INFO. WHEN RECEIVED
- TOLD HIM I WOULD DISCUSS WITH KIM FORD & WOULD GET BACK TO HIM TO DETERMINE HOW TO HANDLE THE SUBMITTALS.

(continue on another sheet, if necessary)

Signature J. Morris

Title _____

Bob JM 5/21
JM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/18/01
Time 4:20

Subject Enterprise-CTOT
Permit No. _____
County _____
Telephone No. _____

M In Colon

Representing Halma

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

JG sends RAE response
next wk and
how long to get a permit?
I explains it no more RAE,
then between 30 and 90 days
to get letters, from
RECEIPT OF LAST RESPONSE
I reminds JG that most of
the RAE comments were
from John W
JG said he will call John after
responding

(continue on another
sheet, if necessary)

Signature [Signature]
Title _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/8/01

Subject ENTERPRISE CLASS III

Time 1115

Permit No. PENDING 177982-001-SC/SO

County PASCO

MR. JIM GOLDEN

Telephone No. 407-839-3955

Representing HARTMAN & ASSOC

Phoned Me Was Called Scheduled Meeting Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting MEETING SCHEDULED FOR 5/10/01 @ 1530

Summary of Conversation/Meeting

- J.G. WANTED TO TALK ABOUT THE SECOND C&E LETTER SENT OUT LAST WEEK ;
DISCUSSED THE FOLLOWING ITEMS

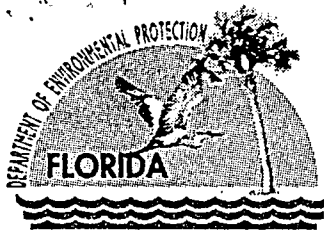
- ① DEMONSTRATION THAT THE SITE DOES NOT NEED LINER/LEACHATE COLLECTION
MUST HAVE A TECHNICAL BASIS - SIMPLY INDICATING IT WILL TAKE CLASS III MATERIALS
AND HAS IN-SITU CLAY IS NOT SUFFICIENT ; HAVE A SURFICIAL ARQUIFER AT THE
EASTERN HALF OF THE PROPERTY THAT IS IN THE DOWNGRADIENT DIRECTION ; LOOKING
FOR SOME DEMONSTRATION THAT GW STDS WILL NOT BE EXCEEDED AT 700
- ② DEP DOCUMENT (MAY 2000) PROVIDES DATA FOR LINKED CLASS III LFS - LOCATE DATA
AVERAGES PROBABLY PRESENT CONSERVATIVE VALUES - AGREED
- ③ IT WOULD BE MORE USEFUL TO USE GW MON. DATA FROM CLASS III LFS - NOT SUMMARIZED
YET BY TULLY/ASSOC ; I HAD TALKED W/ RICHARD TEDDER ABOUT THAT DATA
- ④ HARTMAN WILL CONDUCT ADD'L W/L MEASUREMENTS & INCLUDE IN RESPONSE
- ⑤ P-11 W/L ELEVATIONS ARE ANOMALOUS ; HIGH W/L WERE PERSISTENT EVEN AFTER
THE PIEZOMETER WAS PUMPED ; MAY NEED A DEEPER PZ AT THIS LOCATION
- ⑥ P&E ISSUE - J.G. WAS ULTIMATELY RESPONSIBLE - HE SUPERVISED DRILLING ACTIVITIES

(continue on another
sheet, if necessary)

Signature J. MORIN

Title _____

- PA-01 ⑦ HE WILL PROVIDE ADDITIONAL CHARACTERIZATION OF THE SANDY CLAY LAYER
1/96 BASED ON LAB TESTING TO SUPPLEMENT THE EXISTING LOGS ; EAST-CENTRAL PART OF SITE
pap
- ⑧ WHEN FIELD FOLKS ARE DOING ADD'L W/L MEASUREMENTS THEY ARE ALSO
TAGGING THE WELL BOTTOMS TO SEE HOW MUCH WATER IS IN THE WELLS.



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

May 2, 2001

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

Re: Enterprise Class III Landfill, Pasco County
Pending Permit Nos.: #177982-001-SC and 177982-002-SO

Dear Mr. Larkin:

This is to acknowledge receipt of additional information on March 23 and April 4, 2001, in support of your permit application to construct and operate a Class III Landfill.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your permit application remains incomplete. This is the Department's 2nd 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 applications [Chapters 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. 62-701.900(1)- Application Form Part T. Revision and replacement of page 36 of the application form is requested to show Sid Larkin & Son, Inc. as the applicant. This page should be fully executed by the applicant and engineer, and again provided to the Department.
2. 62-701.320(7)(f)5. Boundary survey (to match legal descriptions). The boundary survey and its legal description does not match the legal descriptions previously provided as part of the deeds. Also, the legal description shown on the boundary survey appears to contain incorrect information.
3. 62-701.330(4)(d). (1.)Grades to drain each intermediately covered lift to prevent ponding of stormwater over filled portions of the site are requested for Sequences 1 and 2. These grades may be shown on the Figures 3-24 through 3-27. (2.)Details to show the design and location of the Cell 1 temporary access road from the scale to the initial working face. All figures and cross-sections related to the sequence of filling for Sequences 1 and 2 should be included as part of the operation plan.

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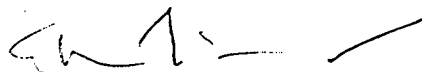
4. 62-701.400(10), .410(1) and .510. A response to resolve each of Mr. John Morris's comments and concerns expressed in his May 1, 2001 memorandum, attached. You may call Mr. Morris to discuss items in his memorandum at (813) 744-6100, extension 336.
5. 62-701.500(2)(c). List of agreements, and related letters of acceptance, for disposal of unacceptable wastes and recyclable materials.
6. 62-701.630. Proof of financial assurance is required prior to operation.

Please provide all responses that relate to engineering required for construction or operation, signed and sealed by a professional engineer.

"NOTICE! Pursuant to the provisions of Section 120.60, F.S., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible 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. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

You are requested to arrange a meeting with FDEP staff to discuss the items in this letter prior to responding. Please submit your response to this letter as one complete package. On all future correspondence, please include Robert Butera on distribution. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachment

cc: James Golden, P.G., Hartman & Associates
Roderick Cashe, P.E., Hartman & Associates
Robert Butera, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa

Florida Department of
Environmental Protection

Memorandum

TO: Kim Ford, P.E.
FROM: John R. Morris, P.G. JRM
DATE: May 1, 2001
SUBJECT: Proposed Enterprise Recycling and Disposal Class III Landfill
Pending Permit Nos. 177982-001-SC and 177982-002-SO
Hydrogeologic and Monitoring Review Comments
cc: Robert Butera, P.E.

I have reviewed the following submittals in support of the permit application for the referenced facility that were provided in response to the Department's letter requesting additional information dated January 10, 2001:

1. *Request for Additional Information, Dated January 10, 2001, Sid Larkin & Son, Inc., Enterprise Recycling and Disposal Facility, Class III Landfill, Pasco County, Florida*, prepared by Hartman & Associates, Inc., dated March 20, 2001, received March 23, 2001; and
2. *Request for Additional Information, Dated January 10, 2001, Sid Larkin & Son, Inc., Enterprise Recycling and Disposal Facility, Class III Landfill, Pasco County, Florida*, prepared by Hartman & Associates, Inc., dated April 2, 2001, received April 4, 2001.

My review focused on the hydrogeologic and monitoring aspects of the proposed landfill. Additional information is needed to evaluate the site hydrogeology and proposed monitoring plan. Please have the applicant address the following comments that refer to the permit application. The comment numbers are consistent with your letter and with my memorandum dated January 10, 2001, and also reference the abovementioned submittal numbers.

KIM FORD'S REVIEW COMMENTS

Part B – Disposal Facility General Information

1. B.21., B.22., B.24., and B.25. It is indicated that it is believed no significant threat will result from the exemption of the proposed landfill from the requirements for liners and leachate collection. Please note that the Department's publication entitled *Florida Class III Lined Landfill Leachate Data Summary Report*, dated May 18, 2000 provides analytical results that indicate selected parameters in leachate from four Class III landfills exceed ground water standards (attached). Please provide a demonstration that indicates ground water quality in the uppermost aquifer will not exceed ground water standards and criteria at the zone of discharge from the disposal cells. (Submittal 1)

JOHN MORRIS' REVIEW COMMENTS

Part G – Landfill Construction Requirements (Rule 62-701.400, F.A.C.)

1. G.9.a. – Gas Control System. The response that a gas monitoring and control system is not considered to be optional is noted. No additional information is requested. (Submittal 1)

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2. G.9.d. – Gas Monitoring Program (Rule 62-701.400(10)(c), F.A.C.)

- a. The revisions to Section 3.10.1.2 of the Engineering Report and Section 10.1.1 of the Operations Plan to indicate that the valves will be maintained in the closed position between gas monitoring events are noted. The revision to the Gas Monitoring Survey Form (Operations Plan, Appendix D) to include pre-purge and post-purge gas measurements is noted, however the heading information (date, instrument, and sampler) has been deleted from the form. Please submit a modified form that includes the heading block. (Submittal 1)
- b. The revisions to Section 3.10.1.4 of the Engineering Report and Section 10.1.2 of the Operations Plan that indicate that the Department will be notified within seven days of any gas measurements that exceed the lower explosive level of methane is noted. No additional information is requested. (Submittal 1)

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

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

- a. The revisions to Section 5.2.2 of the Hydrogeological Investigation to reflect the supplemental site investigation completed during February and March 2001 are noted. Please provide the basis for the statement that the ground water contours presented on Figures 9, 10, and 11 represent wet season water levels. It is unclear if the results of the four water level measurement events conducted at the subject property are intended to represent seasonal fluctuations at the facility. (Submittal 2)
- b. Please respond to the following comments provided regarding the response:
 - i. Based on the modification to Figure 5 of the Hydrogeologic Investigation it appears that P-5 is open to clayey sand, sand and limestone deposits. Please indicate the basis for the response that P-5 is a surficial aquifer piezometer. (Submittal 2)
 - ii. The boring log for P-10 was not included in Appendix 5-A (Universal Engineering Sciences – Driller's Logs). Please provide a copy of this log to demonstrate what zone is being monitored at this location. It is noted that nearby boring L-17 did not encounter limestone to a depth of 69 feet below grade (about 66 feet elevation). (Submittal 2)
 - iii. Figure 6.2 appears to indicate the elevation of the screened interval at P-10 ranges from about 54 to 64 feet, while the well completion log appears to indicate the elevation of the screened interval at this location ranges from about 60 to 70 feet. Please review and revise as appropriate. (Submittal 2)
 - iv. The boring log for P-11 was not included in Appendix 5-A (Universal Engineering Sciences – Driller's Logs). Please provide a copy of this log to demonstrate what zone is being monitored at this location. (Submittal 2)
 - v. Figure 6.2 appears to indicate the elevation of the screened interval at P-11 ranges from about 70 to 80 feet, while the well completion log appears to indicate the elevation of the screened interval at this location ranges from about 88 to 98 feet. Please review and revise as appropriate. (Submittal 2)
 - vi. The boring log provided for P-12 included in Appendix 5-A (Universal Engineering Services – Driller's Logs) appears to indicate the screened interval was placed in deposits described as "clay silt with limerock". Please indicate the basis for the response that P-12 is a Floridan aquifer piezometer. Please add P-12 to Figure 6. (Submittal 2)

- vii. The boring log provided for P-1A included in Appendix 5-A (Universal Engineering Services – Driller's Logs) appears to indicate the screened interval was placed in deposits described as "clayey silt with limerock". Please indicate the basis for the response that P-1A is a Floridan aquifer piezometer. (Submittal 2)
- viii. The revision to Section 5.2.4 of the Hydrogeologic Investigation did not provide a discussion of the anomalous water elevation reported for P-11 during the March 26, 2001 measurement (Table 5-1). Please provide supplemental water level measurements to determine the actual water elevation at this location relative to the other Floridan aquifer piezometers. (Submittal 2)
- c. The responses that described the slug tests and analytical method used, and inclusion of a copy of the electronic files that represent the raw data are noted. No additional information is requested. (Submittal 1)
- d. The revisions of slug test analyses for P-2 (slug out), P-3 (slug out), P-3a (slug in), and P-7 (slug out) are noted. Please respond to the following comments provided regarding the slug tests:
- i. It is noted that the plot of residual head values for the slug in test at P-3 includes a variable time scale. Please review and revise as appropriate. (Submittal 1 and 2)
 - ii. It is indicated that the match line for P-7 (slug in) was not modified because the initial water table drop was most likely the result of water infiltrated into the sand pack. It is noted that the initial changes during a slug in test should be a water level rise not a drop. While the slope of the line is consistent with the plotted residual head values, the y-intercept should be modified similarly to how the match line was changed for P-3 (slug in). Please review and revise as appropriate. (Submittal 1 and 2)
- e. The response presented in Submittal 1 regarding the slug out test at P-5 indicated erroneous data was recorded so the test was not analyzed. However the results of the slug out test at P-5 are included in Appendix 5-C of Submittal 2. Please clarify the results of the slug out test at this location, and revise Section 5.2.2 and Table 5-2 of the Hydrogeological Investigation as appropriate.
- f. The responses provided regarding the results of the slug tests are noted. Please address the following comments:
- i. Please note that it is not considered appropriate to use a geometric mean to reduce the variability in hydraulic conductivity values that appear to be representative of the surficial aquifer at the site. At a minimum the use of an average (arithmetic mean) of the hydraulic conductivity values appears more appropriate. (Submittal 1)
 - ii. The range and averages of hydraulic conductivity values reported for the surficial aquifer piezometers provided in Submittal 1 and in the revisions to Section 5.2.2 and Table 5-2 of the Hydrogeological Investigation provided in Submittal 2 appear to be inconsistent with the slug test results. The slug test results provided in the initial submittal, and in the March 20 and April 2, 2001 submittals are summarized on the attached table. Please review Section 5.2.2 of the Hydrogeological Investigation and revise as appropriate, including any revisions based on comment No. 3.d.i. and 3.d.ii., above, as appropriate. (Submittals 1 and 2)
- g. The response indicating the slug test results at P-3a were not considered to be representative of the surficial aquifer is noted. No additional information is requested. (Submittal 1)

- h. The response that the slug tests (P-2, P-3, P-5, P-7, and P-8) were conducted at piezometers that are considered to be representative of the surficial aquifer is noted. The evaluation of this response will be completed when the response to comment No. 3.b.i., above, is provided. (Submittal 1)
- i. The response that a range of effective porosity values will be used in the calculation of ground water flow velocity and the revisions to Section 5.2.2 of the Hydrogeologic Investigation is noted. No additional information is requested. (Submittals 1 and 2)
- j. The ground water flow velocity calculations presented in Section 5.2.2 of the Hydrogeologic Investigation must be consistent with any revisions that are appropriate based on comment Nos. 3.a. through 3.i., above. The evaluation of this section of the Hydrogeological Investigation will be completed when a revised version is submitted. (Submittal 2)
4. H.1.c. – Background Water Quality (Rule 62-701.410(1)(a)2., F.A.C.). The response that indicated Section 3.2 of the Geotechnical Report referred to the surficial aquifer as non-potable on the basis of the limited quantity of water that is available is noted. No additional information is requested. (Submittal 1)
5. H.1.e. – Site Stratigraphy (Rule 62-701.410(1)(a)4., F.A.C.).
- a. The response that boring logs for L-12 through L-17 was presented in Appendix 5-A of the Hydrogeological Investigation appears to be inconsistent with the information provided in the Department's copy. The description of lithology encountered at auger borings L-12 through L-17 was limited to cross sections A-A' and B-B' (no figure numbers provided). The supplemental soil profiles included in Appendix 5-A in Submittal 2 are noted. Please indicate if individual boring logs were prepared for locations L-12 through L-17 and provide copies if available. (Submittals 1 and 2)
- b. As discussed during the February 7, 2001 meeting and as presented in the response, it is the Department's understanding that personnel from Hartman & Associates, Inc. (HAI), were present during installation of all soil borings and that lithologic descriptions were prepared from the direct observation and testing of the samples retrieved from each boring location. It is further indicated in the response that the HAI boring logs (B-1 through B-10) were based on the interpretation of a professional geologist. Please indicate the name of the professional geologist(s) who prepared or supervised the preparation of these boring logs. It is noted that the individuals named on the logs were not licensed professional geologists as of March 2000 as indicated by the database maintained by the Department of Business and Professional Regulation. (Submittal 1).
- c. The response that revised geological cross sections (Figures 5, 6, 6.1 and 6.2) have been provided to distinguish between the clayey sand and sandy clay/clay sediments and that a consistent sandy clay layer underlies the site is noted. Please respond to the comments provided regarding the revised cross sections:
- i. Figure 5 – Please describe the different lithologies reported at adjacent borings L-13 and DCL01-9. (Submittal 2)
- ii. Figure 5 – Boring log B-7 indicates that clayey sand and slightly clayey sand directly overlie the uppermost limestone deposits. This boring log further indicates that slightly sandy clay is present at least 12 feet above the top of the limestone at B-7. Please discuss the continuity of the sandy clay/clay layer at boring B-7 and adjacent borings DCL01-9/L-13. (Submittal 2)

- iii. Figure 5 – Please describe the basis for indicating sandy clay/clay deposits are present below the limestone that was encountered at the bottom of boring DCL01-11. (Submittal 2)
 - iv. Figure 6 – Land surface elevation at boring B-2 is indicated to be about 130 feet, while the boring log and Figure 6.1 appear to indicate the land surface elevation at this location is about 136 feet. Please review and revise as appropriate. (Submittal 2)
 - v. Figure 6 – Boring log B-8 indicates that clayey sand directly overlies the uppermost limestone deposits, and that sandy clay/clay sediments were not encountered. Please discuss the apparent discontinuity of the sandy clay/clay layer in the vicinity of this boring. (Submittal 2)
 - vi. Figure 6.1 – Please describe the basis for indicating limestone deposits are present below the sandy clay and clay that were encountered at the bottom of boring B-15. (Submittal 2)
 - vii. Figure 6.1 – Boring log DCL01-1 indicates that the occurrence of sandy silt/clay sediments were limited to the sample collected from 38.5 to 40.5 feet below land surface while the cross section appears to indicate a thickness of about 15 feet of sandy clay/clay sediments overlying the uppermost limestone deposits. Please review and revise as appropriate. (Submittal 2)
 - viii. Figure 6.1 – Please discuss what steps will be implemented in the vicinity of boring DCL01-1 to ensure the sandy clay/clay layer will not be breached during excavation to the design depth. It appears that the base of the excavation will be within about five feet of the uppermost limestone deposits at this location. (Submittal 2)
 - ix. Figure 6.2 – Please revise this cross section as appropriate to address review comments Nos. 3.b.ii. through 3.b.v., above. (Submittal 2)
- d. The response that additional north-south geologic cross-sections were provided in Figures 6.1 and 6.2 is noted. No additional information is requested. (Submittal 2)
- e. The response that the piezometers have been added to all the cross sections is noted. No additional information is requested. (Submittal 2)
6. H.1.g/H.1.i -- Inventory of Public and Private Wells (Rule 62-701.410(1)(b), F.A.C.). The response that the wells at the adjacent residences are more than 500 feet from the proposed waste disposal areas is noted. No additional information is requested. (Submittal 1)

Part I – Geotechnical Investigation (Rule 62-701.420, F.A.C.)

7. I.1.b. – Lineaments (Rule 62-701.410(2)(b), F.A.C.). The response describing the interpretation differences between HAI and Universal Engineering Sciences regarding the potential photolineament south of the subject property is noted. No additional information is requested.

Part L – Water Quality and Leachate Monitoring (Rule 62-701.510, F.A.C.)

8. L.1.c – Ground Water Monitoring (Rule 62-701.510(3), F.A.C.)
- a. The response that the locations of the proposed monitor wells have been revised on the basis of the March 2001 water level measurements is noted. Please revise Section 5.3.2 of the Hydrogeological Investigation to indicate when proposed wells MW-1A and MW-14 will be installed. (Submittal 2)
 - b. The response that the locations of the proposed Floridan aquifer monitor wells have been revised on the basis of the March 2001 water level measurements is noted. Please note that additional monitor wells may be required if seasonal fluctuations in the direction of ground water flow are observed. No additional information is requested. (Submittal 2)

- c. The response that the revised depths of the proposed surficial aquifer monitor wells will not breach the sandy clay/clay layer is noted. No additional information is requested. (Submittal 2)
- d. Ground water elevations included in Appendix 5-D of the Hydrogeological Investigation were summarized for the surficial aquifer monitor well at the East Pasco Landfill located closest to the proposed Enterprise Class III facility. At well SW-9A the highest ground water elevation (73.85 feet) was recorded in April 1993 and the lowest ground water elevation (65.55 feet) was recorded in May 1994, for a range of 8.3 feet. This seasonal fluctuation is less than the 10 to 15 feet indicated in the response, and does not justify the proposed 20 foot screened interval for the surficial aquifer monitor wells. Please indicate if the statement in Section 5.3.2.2 of the Hydrogeological Investigation that mentions “soil information on-site” refers to the ground water elevations from the East Pasco Landfill. Please review and revise as appropriate. (Submittal 2)
- e. Please indicate if ground water elevations in the Floridan aquifer piezometers occurred above the top of the limestone deposits at each location. If ground water occurs below the top of the limestone deposits construction of the Floridan aquifer monitor wells with more than 10 feet of screen may be appropriate. Ground water elevations included in Appendix 5-D of the Hydrogeological Investigation were summarized for the Floridan aquifer monitor well at the East Pasco Landfill located closest to the proposed Enterprise Class III facility. At well FW-5 the highest ground water elevation (68.20 feet) was recorded in February 1999 and the lowest ground water elevation (63.30 feet) was recorded in May 1994, for a range of 4.9 feet. Please review and revise as appropriate. (Submittal 2)
- f. The revision to Section 5.3.2.2 of the Hydrogeological Investigation that indicates how the proposed surficial aquifer wells will be developed is noted. No additional information is requested. (Submittal 2)
9. L.1.f. – Routine Sampling Frequency (Rule 62-701.510(6), F.A.C.).
- a. The revision to Section 5.4.2 of the Hydrogeological Investigation does not account for the staggered schedule of monitor well installation as indicated in Section 5.3.1 of the Hydrogeological Investigation. Please review and revise as appropriate. (Submittal 2)
- b. The acknowledgment of the previous review comment is noted. No additional information is requested. (Submittal 1)
- c. The acknowledgment of the previous review comment is noted. No additional information is requested. (Submittal 1)
10. L.1.h. – Water Quality Monitoring Reports (Rule 62-701.510(9), F.A.C.). The revision of Section 5.4.5 of the Hydrogeological Investigation to reference the requirements of Rule 62-701.510(9)(b), F.A.C., is noted. No additional information is requested.

Attachments

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Summary of Slug Test Results for Surficial Aquifer Piezometers, Proposed Enterprise Class III Landfill, Pasco County, Florida

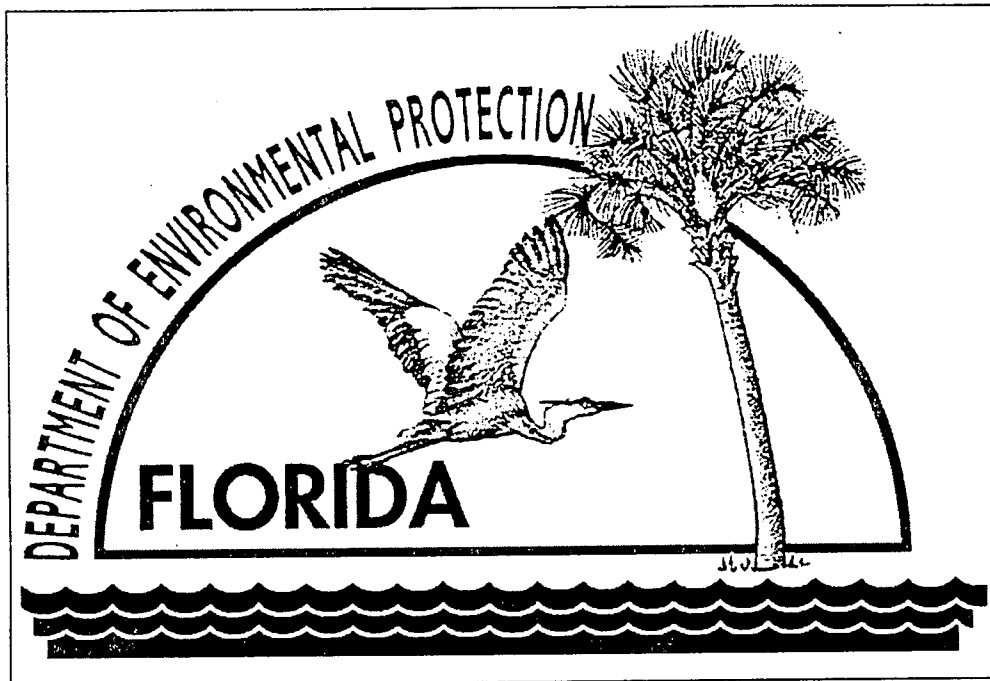
Piezometer	Initial Submittal			March 20, 2001 Submittal			April 2, 2001 Submittal			
	Slug In	Slug Out	Average	Slug In	Slug Out	Average	Slug In	Slug Out	Average	
P-2	0.798	1.272	1.035	0.798	4.190	2.494	0.798	4.190	2.494	
P-3	2.146	1.699	1.923	3.528	8.842	6.185	3.528	8.842	6.185	
P-5	1.032	NA	1.032	1.032	NA	1.032	1.122	2.246	1.684	
P-7	1.584	2.131	1.858	1.584	3.686	2.635	1.584	3.686	2.635	
P-8	1.300	3.917	2.609	1.300	3.917	2.609	1.297	3.917	2.607	
			Geomean = 1.583				Geomean = 2.558			
			Average = 1.691				Average = 2.991			
									Geomean = 2.820	
									Average = 3.121	

	0.798	0.798	0.798
	1.272	4.190	4.190
	2.146	3.528	3.528
	1.699	8.842	8.842
	1.032	1.032	1.122
	1.584	1.584	2.246
	2.131	3.686	1.584
	1.300	1.300	3.686
	3.917	3.917	1.297
Geomean =	1.592	Geomean = 2.452	3.917
Average =	1.764	Average = 3.209	Geomean = 2.450
			Average = 3.121

Note: All units are reported in feet/day

FLORIDA CLASS III LINED LANDFILL
LEAHCATE DATA SUMMARY REPORT

May 18, 2000



Prepared By:

Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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- A. Individual Landfill Summary Data

I. INTRODUCTION

Currently, Florida has 34 active Class III landfills. Class III landfills are defined by Rule 62-701.340(3)(d), Florida Administrative Code (F.A.C.) as landfills "which receive only yard trash, construction and demolition debris, waste tires, asbestos, carpet, cardboard, paper, glass, plastic, furniture other than appliances, or other materials approved by the Department which are not expected to produce leachate which poses a threat to public health or the environment." At this time, there are only four lined Class III landfills in the State which include a total of nine lined Class III cells. The four lined facilities are (1) North Dade Landfill, Dade County; (2) PBCSWA Site 7 Landfill, Palm Beach County; (3) Dyer Road Landfill, Palm Beach County; and (4) West Pasco Landfill, Pasco County. The approximate locations of these four facilities are shown in FIGURE 1.

II. LINED CLASS III LANDFILLS

A. North Dade Landfill (DEP# 5013C13090)

The entrance of this landfill is located in Miami-Dade County at NW 211th Street and 47th Avenue, Miami, Florida. The facility receives waste from residential, agricultural and commercial sources in the County. The waste allowed for disposal at the Class III facility consists of C&D debris, street sweepings, vegetative materials from landscaping maintenance or land clearing operations, and sectioned vehicle tires. In 1993, it was estimated the landfill would receive approximately 2,000 cubic yards per day of wastes for disposal. Based on current disposal reports, this approximation is still accurate.

The Class III landfill was constructed on a 100-acre parcel identified as the East Cell under permit SC13-156937 which was issued on December 7, 1988. The landfill was constructed in two phases. Phase I was completed in 1992 and had a disposal area of approximately 32 acres. Phase II was completed in 1993 with a disposal area of approximately 49.8 acres. Both phases were constructed with a bottom liner system generally consisting of (from bottom to top): a woven geotextile reinforcing layer; an 80-mil thick HDPE geomembrane liner; a geonet drainage layer covered by a geotextile filter; and a 24-inch thick layer of drainage sand.

III Expansion cell with an area of 10 acres is located on the northeast side of the property. The liner system for this area consisted of a 30-mil thick PVC liner covered with a 24-inch thick layer of drainage sand. Class III leachate is collected from these two lined cells in four sumps at the site. Sumps DLM-8 and DLM-9 collect leachate from the 10-acre cell. Sumps DLM-10 and DLM-11 collect leachate from the Section A/B valley fill area.

D. West Pasco Landfill (DEP# 4051M30035)

This landfill is located in Pasco County near Hays Road, two miles north of SR 52, Springhill, Florida. This landfill was constructed in 1989 with a liner system consisting of a single 60-mil HDPE geomembrane covered with a 24-inch thick layer of drainage sand. The landfill was constructed in four cells. Leachate from Cells 1 and 2 flow to Tank 1 and leachate from Cells 3 and 4 flow to Tank 2. Leachate samples are collected from Tanks 1 and 2.

Based on waste reports for 1998, the landfill receives approximately 11 tons per day of wastes for disposal at the Class III landfill. At this time, only Cells 1 and 4 are actively receiving wastes. Cell 1 receives mostly C&D waste with a small portion of the large, non-burnable wastes that can not be combusted at the adjacent waste-to-energy facility. Cell 1 is considered the primary Class III disposal area. Cell 4 receives only yard trash for disposal.

III. METHOD

Leachate data from the facilities are reported to the Department in a paper format. Some are in the form of facility or County prepared spreadsheets but most are in the form of laboratory data sheets. The collected data is then compiled in an electronic format. The parameters reported having detectable concentrations in the leachate are those identified by the lab as being above the minimum detectable limit for that particular parameter and analysis method. It is important to note that minimum detection limits identified by the labs for each parameter and analysis method are not necessarily the same for each sampling event. Interference present during sample analysis and the amount of the sample digested or extracted may modify the minimum detect limits. Whenever both lab and field sample analyses were reported for a single parameter, only the field data was used in this report. The two parameters which most commonly had both field and lab analyses provided were pH

parameters at the individual landfills are summarized in APPENDIX A.

The data in this report represent a total of 254 separate sampling events for different periods of time ranging from the second quarter of 1991 to the third quarter of 1999. Due to its age, Dyer Road Landfill had the longest period of data reporting and thus had the highest number of sampling events. The number of quarterly sampling events and the corresponding sampling date ranges are shown in TABLE 4.

In order to show which parameters had higher concentrations in the Class III landfill leachate, a comparison was tabulated of the average and maximum detected concentrations in the leachate which were greater than Department's primary and secondary drinking water standards and guidance concentrations. These comparisons are presented in TABLES 5 and 6.

A. Average Concentration Comparisons

The average concentration comparisons shown in TABLE 5 reveal that of the 23 indicator parameter concentrations reported detected at the sites, four had average concentrations higher than the Department's drinking water standards. These four parameters were chloride, iron, sodium and total dissolved solids (TDS). Sodium was the only parameter that had an average concentration greater than a primary drinking water standard. The average concentrations for chloride, iron, and TDS all exceeded secondary drinking water standards.

For the 22 detected metal parameters, three had average concentrations of the detected values exceeding drinking water standards. They were antimony, manganese, and thallium. Of these average concentrations, antimony and thallium exceeded primary drinking water standards, and manganese exceeded secondary drinking water standards. No guidance concentrations were exceeded.

There were 36 organic compounds reported detected in the Class III leachate. Nine of the 36 organic compounds had average concentrations of the detected values exceeding drinking water standards or guidance concentrations. Of these, five compounds had average concentrations of the detected values exceeding primary drinking water standards. They were 1,2-dichloroethane, benzene, methylene chloride, trichlorethene, and vinyl chloride. The remaining four compounds had average

V. CONCLUSIONS

As additional Class III leachate information becomes available, it will be added to the existing data. The data in TABLES 1, 2, and 3 should provide a reasonable indication of typical concentrations of parameters in leachate from Class III disposal areas in Florida. Tables 5 and 6 should provide information on those parameters that may be more likely to exceed the Department's drinking water standards or guidance concentrations. It should also be noted that the leachate concentrations summarized in this report are conservative estimates of actual concentrations since they are based entirely on detected values, i.e. sample concentrations reported to be below detection limits have not been included in the estimates of the minimum or average values.

Figure 1. Florida's Class III Lined Landfills

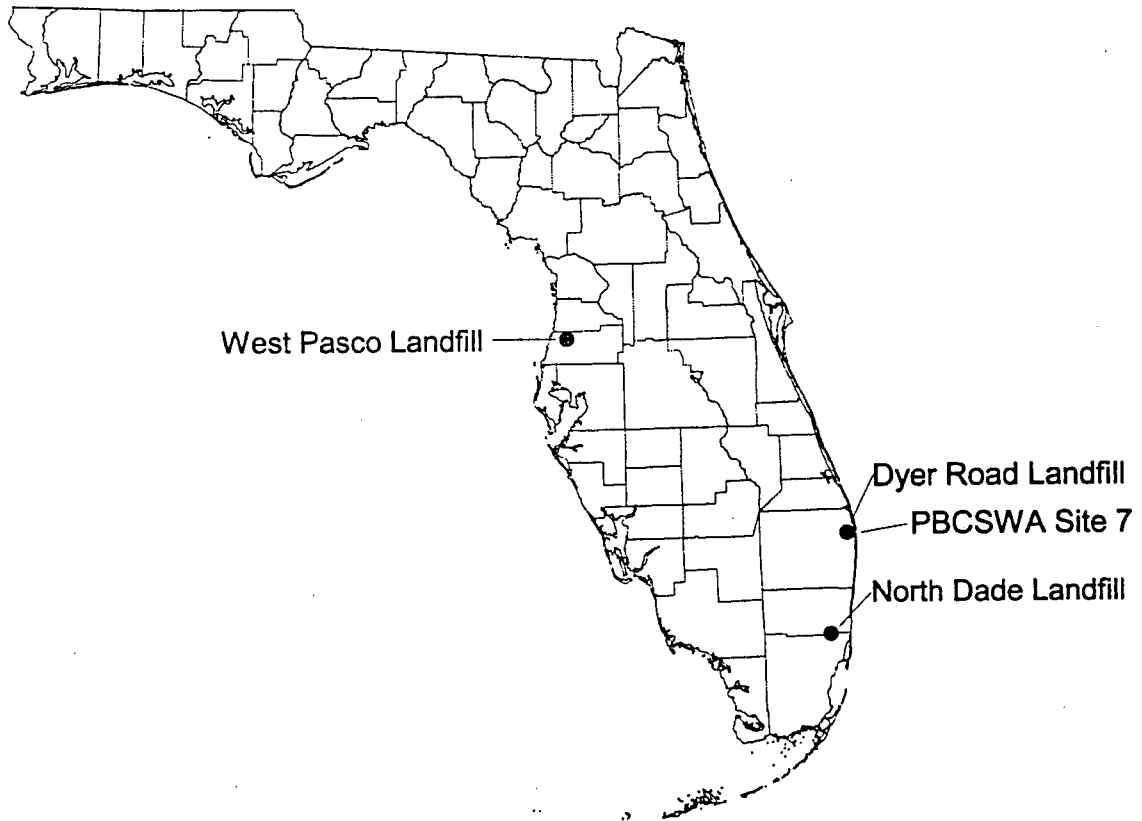


TABLE 1. SUMMARY OF INDICATOR PARAMETERS DETECTED IN
LEACHATE FROM FLORIDA'S LINED CLASS III LANDFILLS

PARAMETERS	UNITS	ANALYTICAL RESULTS				
		FDEP STANDARD (Guidance)	MIN OF DETECTS	MAX OF DETECTS	AVE of DETECTS	# of DETECTS
Alkalinity	mg/L		70.30	3130.00	1238.91	114
Ammonia Nitrogen	mg/L		0.12	1080.00	93.81	245
Bicarbonates	mg/L		74.40	3080.00	1223.20	52
BOD ₅	mg/L		2.00	510.00	47.07	182
Calcium	mg/L		45.70	372.00	233.24	86
Chloride	mg/L	250**	7.09	1760.00	309.49	248
COD	mg/L		11.00	1462.00	471.39	190
Conductivity	umhos/cm		21.00	8200.00	3368.04	242
Corrosivity	Units		-0.78	2.20	1.04	108
Dissolved Oxygen	mg/L		0.04	8.52	1.94	58
Fluoride	mg/L	4*/2**	0.08	2.00	0.35	190
Iron	mg/L	0.3**	0.11	49.70	3.64	242
Nitrate Nitrogen	mg/L	10*	0.01	62.50	2.12	110
pH	SU	6.5 - 8.5	5.40	8.50	6.88	246
Phosphorus	mg/L		0.02	6.04	1.69	180
Sodium	mg/L	160*	0.22	620.00	195.96	183
Sulfate	mg/L	250**	1.00	918.00	175.44	189
Sulfide	mg/L		4.00	4.00	4.00	1
TDS	mg/L	500**	170.00	5390.00	2061.75	243
TKN	mg/L		0.75	1380.00	141.34	192
TOC	mg/L		8.00	511.00	109.98	41
TSS	mg/L		2.00	126.00	29.81	16
Turbidity	NTU		0.76	533.00	52.69	211

* Denotes primary drinking water quality standards.

** Denotes secondary drinking water quality standards.

(Guidance) refers to the Department's guidance concentrations contained in Groundwater Guidance Concentrations, Florida Department of Environmental Protection, June 1994.

TABLE 2. SUMMARY OF METALS DETECTED IN LEACHATE
FROM FLORIDA'S LINED CLASS III LANDFILLS

PARAMETERS	UNITS	ANALYTICAL RESULTS				
		FDEP STANDARD (Guidance)	MIN OF DETECTS	MAX OF DETECTS	AVE OF DETECTS	# of DETECTS
Aluminum	ug/L	200**	58.00	58.00	19.33	3
Antimony	ug/L	6*	2.20	90.00	13.90	10
Arsenic	ug/L	50*	4.40	132.00	19.57	148
Barium	ug/L	2000*	3.00	1500.00	134.60	179
Beryllium	ug/L	4*	0.40	1.70	3.30	2
Cadmium	ug/L	5*	0.14	0.20	0.04	8
Chromium	ug/L	100*	1.00	290.00	35.66	199
Cobalt	ug/L		5.00	41.00	9.28	18
Copper	ug/L	1000**	2.00	86.00	15.91	40
Cyanide	ug/L	200*	5.55	252.00	32.36	10
Lead	ug/L	15*	0.40	7.00	3.88	7
Magnesium	mg/L		3.75	132.00	35.48	73
Manganese	ug/L	50**	0.08	1020.00	166.50	137
Mercury	ug/L	2*	0.20	1.00	0.90	15
Nickel	ug/L	100*	5.00	140.00	20.59	83
Potassium	mg/L		155.00	396.00	297.67	6
Selenium	ug/L	50*	5.00	27.00	12.00	8
Silver	ug/L	100**	5.00	30.00	14.71	7
Thallium	ug/L	2*	1.70	10.00	3.97	4
Tin	ug/L	(4200)	2.00	1400.00	365.75	8
Vanadium	ug/L	(49)	1.60	60.00	17.86	62
Zinc	ug/L	5000**	10.00	2000.00	90.07	121

* Denotes primary drinking water quality standards.

** Denotes secondary drinking water quality standards.

(Guidance) refers to the Department's guidance concentrations contained in Groundwater Guidance Concentrations, Florida Department of Environmental Protection, June 1994.

TABLE 3. SUMMARY OF ORGANIC COMPOUNDS DETECTED IN LEACHATE FROM FLORIDA'S LINED CLASS III LANDFILLS

PARAMETERS	UNITS	FDEP STANDARD (Guidance)	ANALYTICAL RESULTS			
			MIN OF DETECTS	MAX OF DETECTS	AVE OF DETECTS	# of DETECTS
1,1,1-Trichloroethane	ug/L	200*	2.00	4.00	2.75	4
1,1-Dichloroethane	ug/L	(700)	2.00	14.00	7.00	4
1,2,4-Trimethylbenzene	ug/L	(10)	0.90	3.43	2.19	5
1,2-Dichlorobenzene	ug/L	600*	0.49	6.00	3.12	4
1,2-Dichloroethane	ug/L	3*	0.80	18.00	9.40	2
1,3,5-Trimethylbenzene	ug/L	(10)	0.80	1.08	0.95	4
1,4-Dichlorobenzene	ug/L	75*	1.00	6.00	2.48	50
2,4,5-T	ug/L	50*	0.70	0.70	0.70	1
2-Hexanone	ug/L		10.40	88.00	48.40	6
4 Methyl 2 Pentanone	ug/L		6.00	45.00	22.00	3
Acetone	ug/L	(700)	2.14	1400.00	136.98	25
Benzene	ug/L	1*	0.50	30.00	3.52	78
Carbon disulfide	ug/L	(700)	2.00	26.00	10.51	15
Chlorobenzene	ug/L		0.60	3.00	1.71	29
Chloroethane	ug/L	(140)	1.00	7.00	4.50	6
Chloroform	ug/L	(6)	1.00	1.00	1.00	1
Dichlorodifluoromethane	ug/L	(1400)	2.00	13.00	6.00	3
Dinoseb	ug/L	7*	1.50	1.50	1.50	1
Ethylbenzene	ug/L	700*/30**	0.58	30.00	5.55	52
Isopropylbenzene	ug/L	(0.8)	1.00	2.00	1.33	3
m-cresol	ug/L	(350)	52.00	52.00	52.00	1
Methyl Ethyl Ketone	ug/L	(4200)	10.00	670.00	250.60	5
Methylene Chloride	ug/L	5*	4.00	14.00	9.00	2
Methyl-Tert-Butyl Ether	ug/L	(50)	7.60	9.00	8.30	2
Naphthalene	ug/L	(6.8)	1.40	60.00	15.62	11
p-cresol	ug/L	(35)	52.00	380.00	216.00	2
Phenols	ug/L	(10)	5.00	654.00	52.14	137
p-Isopropyltoluene	ug/L		2.00	2.00	2.00	2
sec-Butylbenzene	ug/L		8.00	8.00	8.00	1
Tetrahydrofuran	ug/L		12.60	12.60	12.60	1
TOH	ug/L		135.00	181.00	158.67	3
Toluene	ug/L	1000*/40**	1.00	480.00	30.52	26
Trichloroethene	ug/L	3*	12.00	440.00	74.89	9
Trichlorofluoromethane	ug/L	(2100)	2.00	11.00	6.00	3
Vinyl Chloride	ug/L	1*	0.60	95.00	18.12	21
Xylenes	ug/L	10000*/20**	0.87	30.00	7.81	32

* Denotes primary drinking water quality standards.

** Denotes secondary drinking water quality standards.

(Guidance) refers to the Department's guidance concentrations contained in Groundwater Guidance Concentrations, Florida Department of Environmental Protection, June 1994.

TABLE 4. SUMMARY OF QUARTERLY SAMPLING EVENTS AND
DATE RANGES FOR LEACHATE SAMPLES FROM
FLORIDA'S CLASS III LINED LANDFILLS

FACILITY NAME	NO. OF QUARTERLY SAMPLING EVENTS	SAMPLING EVENT DATE RANGE
North Dade Landfill	20	3Q/94 To 2Q/99
PBCSWA Site 7	43	4Q/91 To 3Q/99
Dyer Road Landfill	171	2Q/88 To 3Q/99
West Pasco Landfill	20	2Q/95 To 1Q/99

TABLE 5: AVERAGED DETECTED PARAMETER CONCENTRATIONS HIGHER THAN STANDARD OR GUIDANCE CONCENTRATIONS

PARAMETERS	Units	FDEP STANDARD (Guidance)	AVG OF DETECTS
<u>INDICATORS</u>			
Chloride	mg/L	250**	309.49
Iron	mg/L	0.3**	3.64
Sodium	mg/L	160*	195.96
TDS	mg/L	500**	2061.75
<u>METALS</u>			
Antimony	ug/L	6*	13.90
Manganese	ug/L	50**	166.50
Thallium	ug/L	2*	3.97
<u>ORGANICS</u>			
1,2-Dichloroethane	ug/L	3*	9.40
Benzene	ug/L	1*	3.52
Isopropylbenzene	ug/L	(0.8)	1.33
Methylene Chloride	ug/L	5*	9.00
Naphthalene	ug/L	(6.8)	15.62
p-cresol	ug/L	(35)	216.00
Phenols	ug/L	(10)	52.14
Trichloroethene	ug/L	3*	74.89
Vinyl Chloride	ug/L	1*	18.12

* Denotes primary drinking water quality standards.

** Denotes secondary drinking water quality standards.

(Guidance) refers to the Department's guidance concentrations contained in Groundwater Guidance Concentrations, Florida Department of Environmental Protection, June 1994.

TABLE 6: MAXIMUM DETECTED PARAMETER CONCENTRATIONS HIGHER THAN STANDARD OR GUIDANCE CONCENTRATIONS

PARAMETERS	Units	FDEP STANDARD (Guidance)	MAX OF DETECTS
<u>INDICATORS</u>			
Chloride	mg/L	250**	1760
Iron	mg/L	0.3**	49.7
Nitrate Nitrogen	mg/L	10*	62.5
Sodium	mg/L	160*	620
Sulfate	mg/L	250**	918
TDS	mg/L	500**	5390
<u>METALS</u>			
Antimony	ug/L	6*	90
Arsenic	ug/L	50*	132
Chromium	ug/L	100*	290
Cyanide	ug/L	200*	252
Manganese	ug/L	50**	1020
Nickel	ug/L	100*	140
Thallium	ug/L	2*	10
Vanadium	ug/L	(49)	60
<u>ORGANICS</u>			
1,2-Dichloroethane	ug/L	3*	18
Acetone	ug/L	(700)	1400
Benzene	ug/L	1*	30
Isopropylbenzene	ug/L	(0.8)	2
Methylene Chloride	ug/L	5*	14
Naphthalene	ug/L	(6.8)	60
p-cresol	ug/L	(35)	380
Phenols	ug/L	(10)	654
Toluene	ug/L	1000*/40**	480
Trichloroethene	ug/L	3*	440
Vinyl Chloride	ug/L	1*	95
Xylenes	ug/L	10000*/20**	30

* Denotes primary drinking water quality standards.

** Denotes secondary drinking water quality standards.

(Guidance) refers to the Department's guidance concentrations contained in Groundwater Guidance Concentrations, Florida Department of Environmental Protection, June 1994.

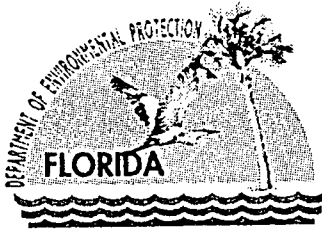
APPENDIX A

Individual Landfill Summary Data

PARAMETERS	Units	NORTH DADE				SITE 7 - CELL C			
		MIN	MAX	AVE Of	# of	MIN	MAX	AVE Of	# of
				DETECTS	DETECTS			DETECTS	DETECTS
Indicators									
Alkalinity	mg/L					1630.00	3130.00	2406.67	9
Ammonia Nitrogen	mg/L	10.00	227.00	93.24	19	1.72	224.00	149.89	24
Bicarbonates	mg/L	643.00	2350.00	1271.80	15	1880.00	2980.00	2357.78	9
BOD5	mg/L	5.00	84.00	28.86	14	24.50	293.00	82.39	16
Calcium	mg/L					230.00	371.00	275.43	7
Chloride	mg/L	25.00	550.00	181.23	16	313.00	811.00	533.88	26
COD	mg/L					85.40	1040.00	715.09	15
Conductivity	umhos/cm	21.00	3870.00	1708.00	20	2750.00	7360.00	5368.75	24
Corrosivity	Units								
Dissolved Oxygen	mg/L	0.06	8.52	4.08	17	0.04	1.20	0.51	12
Fluoride	mg/L					0.27	0.65	0.43	16
Iron	mg/L	0.33	5.21	1.92	16	0.11	13.00	1.97	24
Nitrate Nitrogen	mg/L	0.01	0.24	0.13	10	0.01	0.48	0.11	9
pH	SU	5.70	8.50	7.22	20	6.67	7.91	6.94	25
Phosphorus	mg/L					0.41	1.91	1.54	16
Sodium	mg/L	48.00	271.00	147.29	16	234.00	540.00	381.00	18
Sulfate	mg/L					12.00	339.00	117.46	15
Sulfide	mg/L	4.00	4.00	4.00	1				
TDS	mg/L	820.00	2400.00	1488.61	18	2280.00	4300.00	3229.65	23
TKN	mg/L					123.00	289.00	192.67	15
TOC	mg/L	13.68	259.00	137.48	12				
TSS	mg/L	2.00	126.00	29.81	16				
Turbidity	NTU					5.70	471.00	72.09	25
Metals									
Aluminum	ug/L					58.00	58.00	58.00	1
Antimony	ug/L								0
Arsenic	ug/L	6.00	58.90	19.56	7	7.00	77.00	18.56	24
Barium	ug/L	70.00	180.00	109.67	6	100.00	196.00	140.96	24
Beryllium	ug/L	0.40	0.40	0.40	1				0
Cadmium	ug/L	0.20	0.20	0.20	1				0
Chromium	ug/L	15.00	290.00	47.56	16	6.00	70.00	40.00	24
Cobalt	ug/L					5.00	7.00	6.60	5
Copper	ug/L	2.00	20.00	11.50	4	3.00	50.00	18.67	3
Cyanide	ug/L	7.00	20.00	13.50	2	7.67	7.67	7.67	1
Lead	ug/L	7.00	7.00	7.00	1	1.90	2.00	1.95	2
Magnesium	mg/L					89.80	99.00	95.00	4
Manganese	ug/L					50.00	230.00	136.75	12
Mercury	ug/L					0.41	0.55	0.48	2
Nickel	ug/L	7.00	13.00	9.00	8	6.00	20.00	9.62	13
Potassium	mg/L					325.00	396.00	365.00	3
Selenium	ug/L	27.00	27.00	27.00	1	11.00	11.00	11.00	1
Silver	ug/L								
Thallium	ug/L					2.18	2.18	2.18	1
Tin	ug/L	1400.00	1400.00	1400.00	1	10.00	450.00	230.00	2
Vanadium	ug/L	16.00	31.00	23.50	2	10.00	30.00	18.17	12
Zinc	ug/L	20.00	170.00	76.56	9	20.00	120.00	54.73	11
Organics									
1,1,1-Trichloroethane	ug/L					2.00	2.00	2.00	2
1,1-Dichloroethane	ug/L					2.00	10.00	4.67	3
1,2,4-Trimethylbenzene	ug/L	3.43	3.43	3.43	1	0.90	2.60	1.50	3
1,2-Dichlorobenzene	ug/L	0.49	0.49	0.49	1	2.00	2.00	2.00	1
1,2-Dichloroethane	ug/L								
1,3,5-Trimethylbenzene	ug/L	1.08	1.08	1.08	1	0.80	1.00	0.90	3
1,4-Dichlorobenzene	ug/L	1.00	1.00	1.00	1	1.00	3.00	1.70	10
2,4,5-T	ug/L					0.70	0.70	0.70	1
2-Hexanone	ug/L					88.00	88.00	88.00	1
4 Methyl 2 Pentanone	ug/L								
Acetone	ug/L	2.14	16.00	9.07	2	11.00	50.00	21.50	4
Benzene	ug/L	1.12	2.18	1.65	2	1.00	4.00	2.56	16
Carbon disulfide	ug/L					7.00	17.00	12.67	3
Chlorobenzene	ug/L	1.03	1.03	1.03	1	0.60	3.00	1.96	9
Chloroethane	ug/L								
Chloroform	ug/L								
Dichlorodifluoromethane	ug/L					2.00	2.00	2.00	1
Dinoseb	ug/L					1.50	1.50	1.50	1
Ethylbenzene	ug/L	0.58	2.11	1.21	4	2.00	12.00	6.83	6
Isopropylbenzene	ug/L					1.00	1.00	1.00	2
m-cresol	ug/L								
Methyl Ethyl Ketone	ug/L					10.00	10.00	10.00	1
Methylene Chloride	ug/L					4.00	4.00	4.00	1
Methyl-Tert-Butyl Ether	ug/L								
Naphthalene	ug/L	3.46	3.97	3.72	2	10.00	18.00	15.80	5
p-cresol	ug/L								
Phenols	ug/L	20.00	530.00	122.83	10	10.00	388.00	72.85	15
p-Isopropyltoluene	ug/L					2.00	2.00	2.00	1
sec-Butylbenzene	ug/L								
Tetrahydrofuran	ug/L								
TOH	ug/L								
Toluene	ug/L	1.31	23.70	12.51	2	1.00	26.00	11.00	6
Trichloroethene	ug/L								
Trichlorofluoromethane	ug/L								
Vinyl Chloride	ug/L					2.00	2.00	2.00	2
Xylenes	ug/L	0.87	3.62	2.35	5	5.00	15.00	8.25	4

PARAMETERS	Units	DYER ROAD - SUMP 9				DYER ROAD - SUMP 10			
		MIN	MAX	AVE Of # of		MIN	MAX	AVE Of # of	
				DETECTS	DETECTS			DETECTS	DETECTS
Indicators									
Alkalinity	mg/L	851.00	1703.00	1218.17	24	70.30	2260.00	607.19	24
Ammonia Nitrogen	mg/L	1.02	1080.00	128.76	44	0.12	156.00	51.83	42
Bicarbonates	mg/L				0				0
BOD5	mg/L	4.00	510.00	47.43	38	3.00	406.00	36.48	34
Calcium	mg/L	180.00	328.00	259.12	17	109.00	372.00	247.11	18
Chloride	mg/L	17.00	1400.00	398.50	44	8.00	750.00	172.65	42
COD	mg/L	106.00	1320.00	495.14	44	11.00	1250.00	286.24	42
Conductivity	umhos/cm	1706.00	7200.00	3874.64	42	696.00	7000.00	2621.18	40
Corrosivity	Units	0.36	2.06	1.19	29	-0.78	1.90	0.32	25
Dissolved Oxygen	mg/L				0				0
Fluoride	mg/L	0.08	1.33	0.31	43	0.10	0.96	0.34	41
Iron	mg/L	0.25	8.86	1.69	43	0.17	49.70	12.13	42
Nitrate Nitrogen	mg/L	0.01	62.50	3.37	23	0.02	7.88	1.11	14
pH	SU	6.43	7.18	6.86	42	5.40	7.57	6.53	41
Phosphorus	mg/L	0.05	5.28	0.89	44	0.02	6.04	2.02	36
Sodium	mg/L	0.22	620.00	238.28	31	4.41	270.00	71.78	27
Sulfate	mg/L	18.00	640.00	185.61	44	4.90	918.00	296.77	41
Sulfide	mg/L								
TDS	mg/L	620.00	4080.00	2210.82	44	400.00	4310.00	1808.57	42
TKN	mg/L	7.80	1380.00	188.04	44	0.75	289.00	68.10	42
TOC	mg/L	64.00	167.00	104.29	7	8.00	511.00	85.01	7
TSS	mg/L								
Turbidity	NTU	1.10	398.00	62.99	44	2.16	360.00	48.87	42
Metals									
Aluminum	ug/L								0
Antimony	ug/L	14.00	14.00	14.00	1				
Arsenic	ug/L	5.00	37.00	14.50	28	5.10	96.00	16.17	19
Barium	ug/L	52.00	500.00	176.63	44	27.00	400.00	83.63	24
Beryllium	ug/L				0				0
Cadmium	ug/L				0				0
Chromium	ug/L	7.00	230.00	35.55	41	1.00	130.00	28.78	27
Cobalt	ug/L				0				0
Copper	ug/L	2.00	86.00	16.50	8	2.00	2.00	2.00	2
Cyanide	ug/L				0				0
Lead	ug/L				0				0
Magnesium	mg/L	22.10	67.80	46.51	16	3.93	34.10	10.14	15
Manganese	ug/L	0.08	150.00	85.74	30	0.39	1020.00	394.76	27
Mercury	ug/L	0.53	0.53	0.53	1	0.53	0.53	0.53	1
Nickel	ug/L	5.00	60.00	17.60	10	5.00	140.00	29.28	18
Potassium	mg/L				0				0
Selenium	ug/L				0				0
Silver	ug/L	7.00	15.00	11.00	2				0
Thallium	ug/L				0				0
Tin	ug/L				0				0
Vanadium	ug/L	5.00	21.00	11.44	16				0
Zinc	ug/L	20.00	300.00	56.29	17	20.00	710.00	105.91	23
Organics									
1,1,1-Trichloroethane	ug/L	3.00	3.00	3.00	1				0
1,1-Dichloroethane	ug/L				0				0
1,2,4-Trimethylbenzene	ug/L					3.00	3.00	3.00	1
1,2-Dichlorobenzene	ug/L				0	4.00	6.00	5.00	2
1,2-Dichloroethane	ug/L	0.80	0.80	0.80	1				0
1,3,5-Trimethylbenzene	ug/L								
1,4-Dichlorobenzene	ug/L	1.00	2.00	1.44	9	2.00	6.00	3.90	20
2,4,5-T	ug/L								
2-Hexanone	ug/L	32.00	32.00	32.00	1	49.00	49.00	49.00	1
4 Methyl 2 Pentanone	ug/L								
Acetone	ug/L	11.00	60.00	35.50	2	10.00	1400.00	493.33	3
Benzene	ug/L	0.50	30.00	4.52	11	1.00	25.00	4.31	26
Carbon disulfide	ug/L	2.00	21.00	10.00	3	26.00	26.00	26.00	1
Chlorobenzene	ug/L	1.00	2.00	1.67	12	1.00	2.00	1.57	7
Chloroethane	ug/L	2.00	4.00	3.00	2	7.00	7.00	7.00	1
Chloroform	ug/L								
Dichlorodifluoromethane	ug/L					13.00	13.00	13.00	1
Dinoseb	ug/L								
Ethylbenzene	ug/L	1.00	2.00	1.43	7	1.00	11.00	5.13	15
Isopropylbenzene	ug/L					2.00	2.00	2.00	1
m-cresol	ug/L								
Methyl Ethyl Ketone	ug/L								
Methylene Chloride	ug/L					14.00	14.00	14.00	1
Methyl-Tert-Butyl Ether	ug/L					9.00	9.00	9.00	1
Naphthalene	ug/L					60.00	60.00	60.00	1
p-cresol	ug/L								
Phenols	ug/L	10.00	113.00	30.69	30	5.00	355.00	39.44	27
p-Isopropyltoluene	ug/L					2.00	2.00	2.00	1
sec-Butylbenzene	ug/L					8.00	8.00	8.00	1
Tetrahydrofuran	ug/L								
TOH	ug/L	181.00	181.00	181.00	1	135.00	135.00	135.00	1
Toluene	ug/L				0	1.00	4.00	2.00	8
Trichloroethene	ug/L	20.00	20.00	20.00	1	50.00	50.00	50.00	1
Trichlorofluoromethane	ug/L								
Vinyl Chloride	ug/L	2.00	11.00	5.00	3	3.00	9.00	4.75	4
Xylenes	ug/L				0	2.00	14.00	5.92	13

PARAMETERS	Units	WEST PASCO - 2			
		MIN	MAX	AVE Of	# of
				DETECTS	DETECTS
Indicators					
Alkalinity	mg/L				0
Ammonia Nitrogen	mg/L	0.24	9.17	3.50	9
Bicarbonates	mg/L	116.00	405.00	211.89	9
BOD5	mg/L				0
Calcium	mg/L	68.90	68.90	68.90	1
Chloride	mg/L	7.00	78.80	28.44	9
COD	mg/L				0
Conductivity	umhos/cm	251.00	1005.00	496.67	9
Corrosivity	Units				
Dissolved Oxygen	mg/L	1.01	3.70	2.57	9
Fluoride	mg/L				0
Iron	mg/L	0.26	0.64	0.47	9
Nitrate Nitrogen	mg/L	0.47	5.04	1.98	7
pH	SU	6.26	7.00	6.72	9
Phosphorus	mg/L				0
Sodium	mg/L	4.87	44.70	14.99	9
Sulfate	mg/L				0
Sulfide	mg/L				
TDS	mg/L	20.10	716.00	382.57	9
TKN	mg/L				0
TOC	mg/L	30.70	30.70	30.70	1
TSS	mg/L				
Turbidity	NTU	3.38	3.38	3.38	1
Metals					
Aluminum	ug/L	2.00	5.60	3.80	2
Antimony	ug/L	1.40	5.90	4.27	3
Arsenic	ug/L	5.00	12.00	7.50	3
Barium	ug/L	1.70	2.80	2.25	2
Beryllium	ug/L				0
Cadmium	ug/L	2.00	50.00	17.37	6
Chromium	ug/L	42.00	42.00	42.00	1
Cobalt	ug/L	2.50	31.00	11.25	6
Copper	ug/L	0.06	11.00	5.53	2
Cyanide	ug/L	0.78	3.70	1.95	3
Lead	ug/L	4.08	4.08	4.08	1
Magnesium	mg/L	30.00	30.00	30.00	1
Manganese	ug/L	0.40	1.70	0.83	7
Mercury	ug/L	77.00	125.00	101.00	2
Nickel	ug/L	5.00	5.00	5.00	1
Potassium	mg/L				
Selenium	ug/L	5.00	5.00	5.00	1
Silver	ug/L				0
Thallium	ug/L				0
Tin	ug/L	256.00	256.00	256.00	1
Vanadium	ug/L	2.60	35.00	18.80	2
Zinc	ug/L	10.00	53.00	36.00	4
Organics					
1,1,1-Trichloroethane	ug/L				0
1,1-Dichloroethane	ug/L				0
1,2,4-Trimethylbenzene	ug/L				
1,2-Dichlorobenzene	ug/L				0
1,2-Dichloroethane	ug/L				
1,3,5-Trimethylbenzene	ug/L				
1,4-Dichlorobenzene	ug/L				0
2,4,5-T	ug/L				
2-Hexanone	ug/L				
4 Methyl 2 Pentanone	ug/L				
Acetone	ug/L				
Benzene	ug/L				0
Carbon disulfide	ug/L				
Chlorobenzene	ug/L				0
Chloroethane	ug/L				
Chloroform	ug/L				
Dichlorodifluoromethane	ug/L				
Dinoseb	ug/L				
Ethylbenzene	ug/L				0
Isopropylbenzene	ug/L				
m-cresol	ug/L				
Methyl Ethyl Ketone	ug/L				
Methylene Chloride	ug/L				
Methyl-Tert-Butyl Ether	ug/L				
Naphthalene	ug/L				
p-cresol	ug/L				
Phenols	ug/L				0
p-Isopropyltoluene	ug/L				
sec-Butylbenzene	ug/L				
Tetrahydrofuran	ug/L				
TOH	ug/L				
Toluene	ug/L				0
Trichloroethene	ug/L				
Trichlorofluoromethane	ug/L				
Vinyl Chloride	ug/L				0
Xylenes	ug/L				0



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

February 14, 2001

Mr. Jon Larkin
Sid Larkin & Son, Inc.
P.O. Box 1747
Dade City, Fl. 33526

RE: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Pending Permit No.: 177982-001-SC, Pasco County

Dear Mr. Larkin:

This letter is to acknowledge receipt of the revised cost estimates dated January 11, 2001 (received January 16, 2001), for closing and long-term care of the Enterprise Recycling Class III Landfill. The cost estimates received January 16, 2001 (total closing \$566,142 and \$93,155/year x 30 years = \$2,794,650 total long-term care), are **APPROVED for 2000**. The approved cost estimates are for closing and long-term care of **6.08 acres** (Cell 1, Phase 4) only. The next annual update (revised or inflation-adjusted estimates) is due no later than September 1, 2001.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp
cc:

James E. Golden, P.G. and Roderick Cashe, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000,
Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa

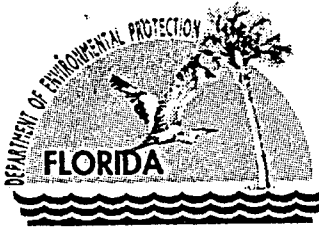
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Ford, Kim

From: Ford, Kim
Sent: Tuesday, February 13, 2001 2:21 PM
To: Yon, Mary Jean; McGuire, Chris; Tedder, Richard; Butera, Robert
Subject: weighing waste

Are all Class III landfills required to weigh their accepted waste according to 62-701.500(4)(a)? A consultant recently stated that other Class IIIs have not been required to weigh upon opening a new Class III landfill and the applicant wants to delay installation of scales for 90 days and which was allowed by others because the Class III was not owned or operated by a county or municipality.



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 10, 2001

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

Re: Enterprise Class III Landfill
Pending Permit Nos.: #177982-001-SC and 177982-002-SO
Pasco County

Dear Mr. Larkin:

This is to acknowledge receipt of your permit application, and fee received December 12, 2000 to construct and operate a Class III Landfill.

This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) 403, Florida Statutes.

Your permit application is incomplete. This is the Department's 1st 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 applications [Chapters 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. Application Form 62-701.900(1), Part B - 8., 21., 22., 24., 25. and Part T. Clarification is needed for types of waste and sources of waste, type of liner, leachate collection, treatment and disposal. The applicant has not adequately demonstrated that no significant threat will result from Class III exemptions. Is the applicant an individual or business? If a business then it must be a corporation registered in the State of Florida.
2. 62-701.300(2)(b), (c), (g) and (8). An explanation to confirm that each of the prohibitions will not be violated for unimpeded discharge, distances to wells, stormwater pond design for "non-discharge", and special waste disposal, signed and sealed by a professional engineer.
3. 62-701.320(7)(f) 5. And 62-701.330(4)(c) and (d). Site plans including boundary survey (to match legal descriptions), locations of wells and soil borings, grades to drain disposal areas, cross-sections of lifts, fencing, details of equipment, fueling and lubricant storage facilities. Cross-sections are requested north-south and east-west through each cell showing all lifts.

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4. 62-701.400(3)(f)3. Procedures for testing in-situ soils.
5. 62-701.400(9). Stormwater Management System permit.
6. 62-701.400(10). The gas probe detail Figure 3-14 should be revised for at least 6" of separation between the bentonite and screen, and for clarification of slot size for screen.
7. 62-701.410(2). Additional information is needed to verify a continuous confining unit. Conclusions and recommendations are needed for each cell (disposal area). Additional soil borings are requested to confirm the presence of clay over limerock for each cell, with locations to be proposed to the Department prior to drilling, and a list of all special construction procedures, related professional monitoring and certifications of completion for each special site development activity. Site plans should include recommendations for preparation of each disposal area prior to acceptance of waste and any other recommendations to ensure site stability.
8. 62-701.410(1) and .510. A response to each of Mr. John Morris's comments and concerns expressed in his January 10, 2001 memorandum, attached. You may call Mr. Morris to discuss items in his memorandum at (813) 744-6100, extension 336.
9. 62-701.500. Operation plan including all facility operations and maintenance; facility signs; comprehensive list of acceptable and unacceptable wastes; procedures for weighing all loads; contingency plans for removal, storage and disposal of all types of unauthorized or hazardous wastes; design details of each storage area for all types of unauthorized or hazardous wastes including but not limited to white goods, tires, car batteries and thermostats; size and locations of each container for recyclable materials and all unacceptable wastes, and procedures for reloading unacceptable wastes; agreements for disposal of unacceptable wastes and recyclable materials. Clarification is requested regarding all procedures for recycling special wastes such as wood, screened soils and waste tires; source of material for weekly cover, weekly cover must not be removed; procedures for operating and maintaining the stormwater system; timeframe for delivery of reserve equipment; site plan details to show all related access roads, and disposal areas and lifts with bottom slopes and elevations to eliminate ponding and promote drainage, and any other necessary conveyances, in accordance with plans approved for stormwater management; and two complete sets of plans with new or revised sheets, including cross-sections of lifts with elevations, top of clean debris and top of sand layer, with related notes for clarification, signed and sealed by a professional engineer. The location and design details of the secured storage area for fuel and other maintenance materials; a detailed training plan to demonstrate continuous compliance with this rule, including list and schedule of those courses to be attended for continuing training; and a detailed recycling plan to demonstrate compliance. Figures 3-13 through 3-22 include the sequence of filling and should be included as part of the operation plan.

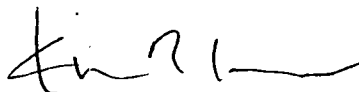
10. **Application Form 62-701.900(1), Parts N, O and P.** A separate closure and long-term care application and fee is required for closure (180 days before first partial closure), therefore a review of related items is not included at this time.
11. **Part Q and 62-701.630.** Cost estimates for closure and long-term care and proof of financial assurance. A response to Ms. Susan Pelz's January 4, 2001 letter (attached) is required. You may call Ms. Pelz to discuss her letter at (813) 744-6100, extension 386.
12. List of any other permits required for the site.

Please provide all responses that relate to engineering required for construction or operation, signed and sealed by a professional engineer.

"NOTICE! Pursuant to the provisions of Section 120.60, F.S., if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after you receive this letter, responding to as many of the information requests as possible 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. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant can reapply as soon as the requested information is available."

You are requested to arrange a meeting with FDEP staff to discuss the items in this letter prior to responding. Please submit your response to this letter as one complete package. On all future correspondence, please include Robert Butera on distribution. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,



Kim B. Ford, P.E.
Solid Waste Section
Division of Waste Management

KBF/ab
Attachments

cc: James Golden, P.G., Hartman & Associates
Roderick Cashe, P.E., Hartman & Associates
26 Robert Butera, P.E., FDEP Tampa
John Morris, P.G., FDEP Tampa
Susan Pelz, P.E., FDEP Tampa
Randy Cooper, P.E., ERP Section, FDEP Tampa

TO: Kim Ford, P.E.
FROM: John R. Morris, P.G. JRM
DATE: January 10, 2001
SUBJECT: Proposed Enterprise Recycling and Disposal Class III Landfill
Pending Permit Nos. 177982-001-SC and 177982-002-SO
Hydrogeologic and Monitoring Review Comments
CC: Robert Butera, P.E.

I have reviewed the submittal entitled *Enterprise Recycling and Disposal Facility, Class III Landfill Permit Application*, prepared by Hartman & Associates, Inc. (HAI), received November 20, 2000. My review focused on the hydrogeologic and monitoring aspects of the proposed landfill. Additional information is needed to evaluate the site hydrogeology and proposed monitoring plan. Please have the applicant address the following comments that refer to the permit application.

Part G - Landfill Construction Requirements (Rule 62-701.400, F.A.C.)

1. G.9.a. - Gas Control System. It is indicated in Section 3.10.1 of the Engineering Report (HAI, November 2000) that although the landfill is not expected to generate significant amounts of methane or other toxic gases, a passive gas control system is proposed for the referenced landfill. Please note that Rule 62-701.400(10)(a), F.A.C., requires a gas monitoring and control system for landfills that receive biodegradable wastes, therefore gas monitoring and control are not considered to be optional activities.
2. G.9.d. - Gas Monitoring Program (Rule 62-701.400(10)(c), F.A.C.)
 - a. It is indicated in Section 3.10.1.2 of the Engineering Report that the gas probes shall be equipped with a PVC ball valve to accommodate gas monitoring with a portable gas meter. Please modify this section of the Engineering Report and Section 10.1.1 of the Operations Plan (HAI, November 2000) to indicate that the valves will be maintained in the closed position between gas monitoring events, and that pre-purge gas measurements shall be recorded at each probe. In the event that positive gas measurements are recorded, both pre-purge and post-purge gas measurements shall be required. Please submit a revised Gas Monitoring Survey Form (Operations Plan, Appendix D) to allow pre-purge and post-purge gas measurements to be recorded as necessary.
 - b. Please note the requirement of Rule 62-701.400(10)(c)3., F.A.C., that the Department be notified within seven days of discovery that gas measurements exceed the lower explosive limit of landfill gases. Please submit modifications to Section 3.10.1.4 of the Engineering Report and Section 10.1.2 of the Operations Plan that include Department notification.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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

3. H.1.b. – Rate and Direction of Ground Water Flow (Rule 62-701.410(1)(a)1, F.A.C.)
- a. It is indicated in Section 5.2.2 of the Hydrogeological Investigation (HAI, November 2000) that ground water flow in the surficial aquifer is generally from the west to the east across the site, and that a steeper hydraulic gradient is present along the western half of the site. It appears that the steeper hydraulic gradient at the western half has been based on the lack of ground water at piezometer P-1 (bottom elevation of screen about 94.6 feet) during March 2000. Ground water contours for the western half of the site shown on Figures 9, 10, and 11 for March, May and October 2000, respectively, are inferred and do not represent actual measurement of ground water. Please provide the locations of proposed supplemental borings and piezometers to determine the uppermost aquifer at the western half of the site, to describe the hydraulic gradient across the site, and to verify the direction of ground water flow.
- b. It is indicated in Section 5.2.2 of the Hydrogeological Investigation that the water levels presented on Figures 9, 10, and 11 represent the surficial aquifer. Review of the cross sections, boring logs and piezometer construction details appears to indicate the screen may be partially or entirely open to limestone deposits at some of the piezometers. It is unclear if piezometers P-5 and P-6 represent surficial and/or Floridan aquifer water levels, and it appears that piezometers P-8 and P-9 represent Floridan aquifer water levels. Please evaluate the construction of the piezometers, indicate what hydrogeologic unit it monitored at each piezometer, and revise the discussion of surficial aquifer water levels, as appropriate.
- c. Please provide a description of how the slug tests were conducted. Please also provide the raw data recorded for each of the slug tests.
- d. The straight line solutions provided for several of the slug tests included in Appendix 5-C of the Hydrogeological Investigation do not appear to correlate with early time data for residual head values. Please indicate why the solutions provided for the tests run at the following piezometers are considered to be valid: P-2 – slug out; P-3 – slug in, slug out; P-3a – slug in; P-7 – slug in, slug out.
- e. Please indicate why a slug out test was not conducted at piezometer P-5.
- f. Please indicate why a geometric mean of the slug test results was used to obtain an average value for horizontal hydraulic conductivity.
- g. It is indicated in Section 5.2.2 of the Hydrogeologic Investigation that the horizontal hydraulic conductivity values obtained from the slug tests ranged from 1.03 to 2.62 ft/day, however the values presented in Table 5-2 range from 0.25 to 2.62 ft/day. Please indicate if it was intended to exclude the results for piezometer P-3A in averaging the horizontal hydraulic conductivity values, and revise as appropriate.
- h. As indicated in comment No. 3.b., it is unclear if all the piezometers are representative of the surficial aquifer. Please evaluate the locations where slug tests were conducted and indicate what aquifer is represented at each location.

- i. In the absence of site-specific effective porosity values, it is considered more conservative to use a range of values in reference literature for sandy soils. Typical porosity values for sandy soils range from 25 to 40 percent (Ground Water and Wells) to 25 to 50 percent (Freeze and Cherry). Please use a range of porosity values that is considered to be representative of native soils and revise the ground water flow velocity calculations as appropriate.
- j. The ground water velocity calculations provided in Section 5.2.2 of the Hydrogeological Investigation will be reviewed when responses to comment Nos. 3.a. through 3.i. are received.
4. H.1.c. – Background Water Quality (Rule 62-701.410(1)(a)2., F.A.C.). It is indicated in Section 5.2.2 of the Hydrogeological Investigation that the surficial aquifer provides generally good water quality while Section 3.2 of the Geotechnical Report indicates the surficial aquifer is non-potable. Please discuss this apparent inconsistency.
5. H.1.e. – Site Stratigraphy (Rule 62-701.410(1)(a)4., F.A.C.).
- a. It is indicated in Section 5.1.4 of the Hydrogeological Investigation that site lithology was determined by the ten SPT borings and six auger borings completed at the site. Please provide boring logs and elevation data for the auger borings.
- b. Please describe the inconsistencies between the boring logs provided in the Geotechnical Report (Appendix B) and those provided in the Hydrogeological Investigation (Appendix 5-A) for boring Nos. B-1 through B-10. Please also provide the location of boring No. B-3A that is provided in the Geotechnical Report.
- c. It appears that the discussion of site lithology provided in Section 5.1.4 of the Hydrogeological Investigation as reflected in the geologic cross sections (Figures 5 and 6) combined all the clayey sediments (clayey sand, sandy clay, clay) that occurred directly above the uppermost limestone deposits into a singular clay unit. This designation obscures the extensive clayey sand sediments that occurred at several boring locations (B-2, B-3, B-5, B-7, B-8, B-9, and B-10). Please revise the geologic cross sections to distinguish between clayey sand and sandy clay/clay sediments and Section 5.1.4 to reflect this requested change. Pending evaluation of the response provided to comment No. 5.b., the Department will use the boring logs provided in the Geotechnical Report as the basis for evaluating the cross sections.
- d. Please provide supplemental geologic cross sections oriented north to south to characterize lithology in the central and western portions of the site.
- e. Please add the piezometers installed at the site on the cross sections described in comment Nos. 5.c. and 5.d., including the screened intervals of each piezometer.
6. H.1.g/H.1.i -- Inventory of Public and Private Wells (Rule 62-701.410(1)(b), F.A.C.). The data provided in Section 5.2.5 of the Hydrogeological Investigation and on Figure 4-3 (Appendix 5-3) are noted. Please also note that compliance with Rule 62-701.300.(2)(c), F.A.C., prohibits waste disposal within 500 feet of an existing or approved potable well. However, Figure 3-6 (Sheet C-1) of the Engineering Report references the distance between the three nearby residences and the disposal area. Please ascertain the location of the potable wells at the three residences and revise the site plan as appropriate.

Part I – Geotechnical Investigation (Rule 62-701.420, F.A.C.)

7. I.1.b. – Lineaments (Rule 62-701.410(2)(b), F.A.C.). Please discuss the differences between the lineament maps referenced in Section 3.4 of the Geotechnical Report (Appendix A) and Section 5.1.7 of the Hydrogeological Investigation (Figure 1).

Part L – Water Quality and Leachate Monitoring (Rule 62-701.510, F.A.C.)

8. L.1.c – Ground Water Monitoring (Rule 62-701.510(3), F.A.C.)

- a. The appropriateness of the proposed locations of the background and downgradient wells in the surficial aquifer that are provided in Section 5.3.1 of the Hydrogeological Investigation will be reviewed when responses to comment Nos. 3.a. and 3.b. are received.
- b. It is indicated in Section 5.3.1 of the Hydrogeological Investigation that the Pasco County permit requires the installation one background well and two downgradient wells in the Floridan aquifer. Please note that with a north-northwest direction of flow in the Floridan aquifer (Section 5.2.4 of the Hydrogeological Investigation) it appears that well MW-1B is downgradient of proposed disposal areas, and wells MW-5B and MW-8B are upgradient of proposed disposal areas.
- c. It is unclear if the piezometers installed at the site represent the surficial and/or Floridan aquifers. The appropriateness of the proposed surficial aquifer monitor well construction details provided in Section 5.3.2 and Figure 16 of the Hydrogeological Investigation will be reviewed when responses to comment Nos. 3.a. and 3.b. are received. Please note the requirements of Rule 62-701.510(3)(d)4, F.A.C., that well screens shall be placed within the saturated thickness of the uppermost aquifer and that well screens shall not act as conduits through confining layers. Please describe the hydrogeologic zone (based on soil boring or cross section data) to be monitored for each proposed surficial aquifer monitor well location.
- d. Please provide the technical justification for 20 feet of well screen that is proposed for the surficial aquifer wells. For informational purposes it is noted that the Department typically does not approve surficial aquifer wells with more than 15 feet of screen to assure that the uppermost water-bearing unit is monitored.
- e. Please provide the technical justification for 20 feet of well screen that is proposed for the Floridan aquifer wells. For informational purposes it is noted that the Department typically does not approve Floridan aquifer wells with more than 10 feet of screen to assure that a discrete unit is monitored.
- f. Please revise Section 5.3.2.2 of the Hydrogeological Investigation to indicate how the proposed surficial aquifer monitor wells shall be developed.

9. L.1.f. – Routine Sampling Frequency (Rule 62-701.510(6), F.A.C.)

- a. Please note the requirements of Rules 62-701.510(6)(a)1 and (6)(a)2, F.A.C., that an initial sampling event shall be conducted at all wells for analysis of the parameters listed in Rule 62-701.510(8)(a) and (8)(d), F.A.C. Please revise Section 5.4.2 of the Hydrogeological Investigation accordingly.

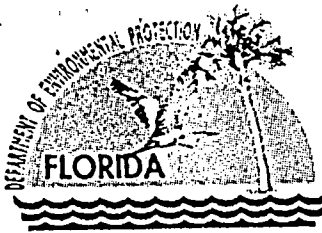
b. Please note that the frequency of routine ground water sampling shall be determined on the basis of the site-specific ground water velocity in the uppermost aquifer. It is noted that Rule 62-701.510(1)(c), F.A.C., indicates that the semi-annual sampling frequency that is presented in Rule 62-701.510(1)(a)2, F.A.C., represents the minimum standard for water quality monitoring. It is also noted that Rule 62-701.510(6)(c), F.A.C., requires lined landfills to be monitored at least semi-annually. Given the construction of the proposed landfill without a constructed liner and without leachate collection, routine ground water sample collection provides the only method to determine potential releases to the environment. The appropriateness of the proposed semi-annual ground water sampling frequency for parameters listed in Rule 62-701.510(8)(a), F.A.C., that is provided in Sections 5.2.2 and 5.4.3 of the Hydrogeological Investigation will be reviewed when responses to comment Nos. 3.a. through 3.j. are received.

c. Please note that the demonstration required by Rule 62-701.510(6), F.A.C., to support a request to delete specific parameters from routine monitoring (Hydrogeological Investigation, Section 5.4.3) is typically addressed by the nature and composition of the leachate generated at the site. It is unlikely that such a reduction would be approved during site operation without having the analytical results of leachate samples collected at the site to document potential releases to the environment.

10. L.I.h. – Water Quality Monitoring Reports (Rule 62-701.510(9), F.A.C.). Please revise Section 5.4.5 of the Hydrogeological Investigation to reference the submittal of technical reports at two year intervals to comply with the requirements of Rule 62-701.510(9)(b), F.A.C.

Please have the applicant contact me at (813) 744-6100, extension 336, to discuss these comments if there are any questions.

jrm



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 4, 2001

Mr. Jon Larkin
Sid Larkin & Son, Inc.
P.O. Box 1747
Dade City, Fl. 33526

RE: Enterprise Recycling & Disposal Class III Landfill
Financial Assurance Cost Estimates
Pending Permit No.: 177982-001-SC, Pasco County

Dear Mr. Larkin:

This letter is to acknowledge receipt of the cost estimates dated November 17, 2000 (received November 20, 2000); Appendix 7-A of the "Enterprise Recycling and Disposal Facility Class III Landfill Permit Application," prepared by Hartman & Associates, Inc. for closing and long-term care of the Enterprise Recycling & Disposal Class III Landfill. The cost estimates are not approved. Additional information is needed to fully evaluate the estimates submitted.

General:

1. Please be advised that Rule 62-701.630(3), F.A.C., and 40 CFR Part 264.142 as adopted by reference in Rule 62-701.630(6), F.A.C., says the closure cost estimate must:
 - a. Equal the cost of final closure at the point in the facility's active life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan.
 - b. Be based on the cost to the owner or operator of hiring a third party to close the facility; and
 - c. Not incorporate any salvage value that may be realized from the sale of hazardous (solid) waste, facility structures or equipment, land, or other assets associated with the facility at the time of partial or final closure.

Since onsite soils may be considered to be "assets" or "land," the Department cannot accept the use of onsite soils for the purposes of financial assurance. Please provide revised costs for Slope & Fill, Cover Material and Top Soil which include the costs of off-site materials, delivery, placement, grading, etc.

2. Please clarify the number of acres included. Please provide a reduced size (8 ½ x 11 or 11 x 17) plan sheet which shows the limits of all of the disposal areas and the acreage for each. All of the costs previously submitted will be re-evaluated based on the response to this item. Please clarify if only Cell 1, Phase 4 will be constructed during the first year.

Closing:

3. Slope & Fill. Please clarify the thickness of the bedding layer. Please specify if the quantities are for material "as-received" or "in-place." If the cost is not for "in-place" material, please account for compaction in the quantity.

"More Protection, Less Process"

4. Slope & Fill, Cover Material, Top Soil. Please clarify if these quantities are materials as-received or in-place. If the cost is not for "in-place" material, please account for compaction in the quantity. See also Comment #1, above.

5. Gas Control. Rule 62-701.400(10)(a), F.A.C., requires that landfills that receive biodegradable wastes shall have a gas monitoring and control system designed to prevent explosions and fires and to minimize off-site odors and damage to vegetation. Since Class III landfills receive biodegradable wastes, please include a cost for installation of a gas monitoring and control system.

6. Landscape irrigation. Please include a cost for watering the final cover vegetation until it is established.

7. Please include a cost for contractor mobilization/demobilization.

Long-Term Care

8. Groundwater, surface water and leachate monitoring. Please be advised that in the event that review of the groundwater monitoring plan indicates that additional wells, parameters or an increased frequency is needed, then revised cost estimates will also be required.

9. Gas monitoring. Please provide a plan sheet which shows the gas monitoring points, and construction details of the gas monitoring probes.

10. Leachate collection system maintenance. In the event that a leachate collection system is required, revised cost estimates which include maintenance of this system will also be required.

11. Gas system maintenance. Please provide a cost for this item. See also Comment #5, above.

12. Landscape Maintenance. Please specify the number of mowing events, the unit cost per event and number of acres included.

The Department requests that two copies, signed and sealed by a registered professional engineer, be provided to the Solid Waste Section, FDEP, Tampa office **within thirty (30) days** of the date of this letter. **In order to expedite the review, please forward all responses concerning financial assurance directly to the writer.** If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,



Susan J. Pelz, P.E.
Solid Waste Section
Southwest District

sjp
cc:

James E. Golden, P.G. and Roderick Cashe, P.E., Hartman & Associates, 201 E. Pine St., Ste. 1000,
Orlando, Fl. 32801
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa

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:

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

RECEIVED
JAN 02 2001

HAI #99-331.01
Phase 1

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Via Certified Mail

No. 7000 0600 0026 3252 7538

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

Subject: **Proof of Publication of Notice of Application
Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Pasco County, Florida**


Dear Mr. Ford:

On behalf of Sid Larkin and Son, Inc., Hartman & Associates, Inc., is submitting proof of publication of the Notice of Application, as requested in your December 13, 2000 correspondence. The notice was published on December 17, 2000 in the Pasco Times.

Please feel free to call us if you require any additional information regarding the permit application.

Very truly yours,

Hartman & Associates, Inc.


Jennifer L. Deal, E.I.
Engineer III

Attachment

JLD/sas/99-331.01/Ph1/Ford.jld

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

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

PASCO TIMES

An Edition of the St. Petersburg Times

Published Daily

Port Richey, Pasco County, Florida

RECEIVED
JAN - 2 2001
SOUTHWEST DISTRICT
TAMPA

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 Application

_____ in the _____ Court was published in said newspaper in the issues of December 17, 2000

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

Signature of Affiant

Sworn to and subscribed before me this 17th day of December, 2000



Kimberly L Cronshaw
MY COMMISSION # CC815950 EXPIRES
June 26, 2003
BONDED THRU 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 Application
The Department announces receipt of an application for permit from Sid Larkin and Son, Inc. for permits to construct and operate a class III landfill and recycling facility, subject to Department rules, located northwest of the intersection of Auton Road and Enterprise Road, southeast of Dade City, Pasco County, Florida.
This application is being processed and 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 the Department of Environmental Protection, Southwest District office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352. (990955533) 12/17/00

** Transmit Conf. Report **

P.1

Dec 13 2000 15:41

Telephone Number	Mode	Start	Time	Pages	Result	Note
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	3804 Coconut Palm Drive Tampa, FL 33619-8318
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FAX

Date: 12/13/00
 Number of pages including cover sheet: 7

To: JAMES GOLDEN
HARRIS
 Phone: 407 839 3958
 Fax phone: 407 839 3790
 CC:

From: Fun Form
 Phone: - (813) 744-6100
 Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

James
PLEASE PUBLISH NOTICE OF
APPLICATION ASAP
WITH CORRECT APPLICANT
SID LARKIN, SON OF
JOHN LARKIN, NOT AUTHORIZED

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 Coconut Palm Drive Tampa, FL 33619-8318

FAX

Date: 12/13/00

Number of pages including cover sheet: 7

To: James Golden

HARTMAN

Phone: 407 839 3955

Fax phone: 407 839 3790

CC:

From: Kim Ford

Phone: - (813) 744-6100

Fax phone: (813) 744-6125

REMARKS: Urgent For your review Reply ASAP Please comment

James
PLEASE PUBLISH ARTICLE OF
APPLICATION ASAP
WITH CORRECT APPLICANT
SID LARKIN'S SON INC
JON LARKIN IS NOT AN AUTHORIZED
REPRESENTATIVE OF ENTERPRISE
(ENTERPRISE IS NOT A CORPORATION)
TAX
fw

62-110.106(5). Notices: General Requirements.
Each person who files an application for a Department permit or other notice as may publish or be required to publish a notice of application or other notice as set forth below in this section. Except as specifically provided otherwise in this paragraph, each person publishing such a notice under this section shall do so at his own expense in the legal advertisements section a newspaper of general circulation (i.e., one that meets the requirements of sections 50.011 and 50.031 of the Florida Statutes) in the county or counties in which the activity will take place or the effects of the Department's proposed action will occur, and shall provide proof of the publication to the Department within seven days of the publication.

62-110.106(6). If required, the notice shall be published by the applicant one time only within fourteen days after a complete application is filed and shall contain the name of the applicant, a brief description of the project and its location, the location of the application file, and the times when it is available for public inspection. The notice shall be prepared by the Department and shall comply with the following format:

**State of Florida
Department of Environmental Protection
Notice of Application**

The Department announces receipt of an application for permit from Sid Larkin and Son, Inc. for permits to construct and operate a class III landfill and recycling facility, subject to Department rules, located northwest of the intersection of Auton Road and Enterprise Road, southeast of Dade City, Pasco County, Florida.

This application is being processed and 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 the Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

A. GENERAL INFORMATION

1. Type of facility:

Disposal [X]

Class I Landfill	<input type="checkbox"/> []	Ash Monofill	<input type="checkbox"/> []
Class II Landfill	<input type="checkbox"/> []	Asbestos Monofill	<input type="checkbox"/> []
Class III Landfill	<input checked="" type="checkbox"/> [X]	Industrial Solid Waste	<input type="checkbox"/> []
Other	<input type="checkbox"/> []		

Volume Reduction []

Incinerator	<input type="checkbox"/> []	Pulverizer / shredder	<input type="checkbox"/> []
Composting	<input type="checkbox"/> []	Compactor/Baling Plant	<input type="checkbox"/> []
Materials Recovery	<input type="checkbox"/> []	Energy Recovery	<input type="checkbox"/> []
Other	<input type="checkbox"/> []		

2. Type of application:

Construction	<input type="checkbox"/> []	Construction/Operation	<input checked="" type="checkbox"/> [X]
Operation	<input type="checkbox"/> []	Closure	<input type="checkbox"/> []

3. Classification of application:

New	<input checked="" type="checkbox"/> [X]	Substantial Modification	<input type="checkbox"/> []
Renewal	<input type="checkbox"/> []	Minor Modification	<input type="checkbox"/> []

4. Facility name: Enterprise Recycling and Disposal Facility

5. DEP ID number: _____ County: Pasco

6. Facility location (main entrance): Enterprise Road
Dade City, Florida

7. Location coordinates:

Section: 5,8 Township: 25 Range: 22

UTMs: Zone 17 388741 km E 3134273 km N

Latitude: 28 ° 19 ' 53 " Longitude: 82 ° 08 ' 06 "

8. Applicant name (operating authority): Sid Larkin & Son, Inc.

Mailing address: P.O. Box 1747 Dade City Florida 33526
Street or P.O. Box City State zip

Contact person: Jon Larkin Telephone: (813)713-2704

Title: Owner

T. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

A. Applicant

The undersigned applicant or authorized representative of ~~Enterprise Recycling and Disposal Facility~~ is aware that statements made in this form and attached information are an application for a Class III Landfill Permit from the Florida Department of Environmental Regulation and certifies that the information in this application is true, correct and complete to the best of his 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.

Ed Larkin, Inc
unless
Enterprise ...
becomes a
Corporation

Jon Larkin
Signature of Applicant or Agent

Jon Larkin, ~~Owner~~ *II, or III*
Name and Title

Date: 10-18-00

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

B. Professional Engineer Registered in Florida or Public Officer as required in Sections 403.707 and 403.707(5), 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 judgement, 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.

Roderick Cashe
Signature

201 E. Pine St. Suite 1000
Mailing Address

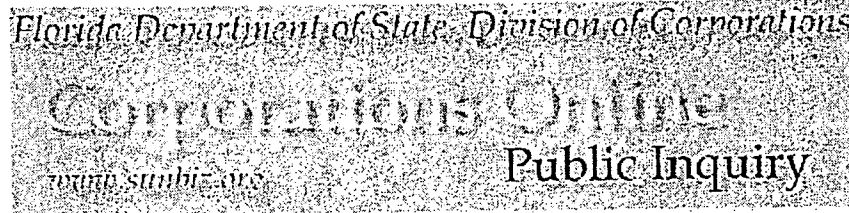
Roderick K. Cashe, P.E.
Name and Title (please type)

Orlando, FL 32801
City, State, Zip Code

45,169
Florida Registration Number
(please affix seal)

(407) 839-3955
Telephone Number

Date: 11/17/00



Florida Profit

SID LARKIN AND SON, INC.

PRINCIPAL ADDRESS
 37749 SOUTHVIEW AVENUE
 DADE CITY FL 33525
 Changed 02/01/1995

MAILING ADDRESS
 37749 SOUTHVIEW AVENUE
 DADE CITY FL 33525
 Changed 02/01/1995

Document Number 393602	FEI Number 591377335	Date Filed 01/04/1972
State FL	Status ACTIVE	Effective Date NONE
Last Event AMENDMENT	Event Date Filed 10/23/1997	Event Effective Date NONE

Registered Agent

Name & Address
LARKIN, JON 37749 SOUTHVIEW AVENUE DADE CITY FL 33525
Name Changed: 02/01/1995
Address Changed: 02/01/1995

Officer/Director Detail

Name & Address	Title
LARKIN, JON S II 37749 SOUTHVIEW AVENUE DADE CITY FL 33525	PCD
LARKIN, JON S III 37749 SOUTHVIEW AVENUE DADE CITY FL 33525	STD

LARKIN, KATHERINE L 37749 SOUTHVIEW AVENUE DADE CITY FL 33525	VD
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Annual Reports

Report Year	Filed Date	Intangible Tax
1998	01/30/1998	Y
1999	05/11/1999	
2000	04/20/2000	

[Previous Filing](#) [Return to List](#) [Next Filing](#)

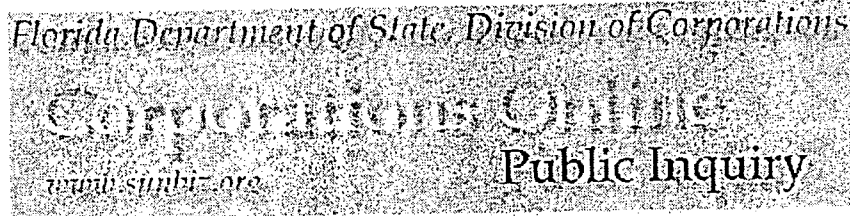
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[Corporations Help](#)



SID LARKIN AND SON, INC.

Document Number 393602	Date Filed 01/04/1972	Effective Date None	Status Active
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EVENT TYPE	FILED DATE	EFFECTIVE DATE	DESCRIPTION
AMENDMENT	10/23/1997		
REINSTATEMENT	02/01/1995		
DISSOLVED BY PROCLAMATION	10/21/1974		

THIS IS NOT OFFICIAL RECORD; SEE DOCUMENTS IF QUESTION OR CONFLICT

Corporations Inquiry

Corporations Help

WASTE MANAGEMENT TECHNICAL SUPPORT
ROUTING FORM

PERMITTED FACILITIES

To: Susan
From: km
Date: 12/13/00
Subject: ENTERPRISE CLASSIFIED LANDFILL

Document Name: _____
Revision Number: D County: PATS CO
Facility Name: _____
Type of Facility: CLASSIFIED LANDFILL
Permit Number: _____ Issue Date: _____

Copy of Permit attached: _____
Document submitted in compliance with permit condition. _____

Document subject to permit timeclock. Yes

Day 1: 12/12/00
Day 30: 01/10/01

PATS sheet attached: _____

Enforcement Case/CO/NOV/ associated with this site: _____

Files and related documents can be found Attached & Detroit Copy

Please review and comment on the technical aspects of the attached document as you deem appropriate. In order to maintain progress with the permit review, please provide comments within 30 days or by JAN 5th.

Comments: _____

Module _____

Attachments _____

WASTE MANAGEMENT TECHNICAL REPORT
ROUTING FORM

PERMITTED FACILITIES

To: Jotta
From: km
Date: 12/13/00
Subject: ENTERPRISE CLASS III LANDFILL

Document Name: _____
Revision Number 0 County: PATS CO
Facility Name: _____
Type of Facility: CLASS III LF
Permit Number: _____ Issue Date: _____

Copy of Permit attached: _____
Document submitted in compliance with permit condition. _____
Document subject to permit timeclock. YES

Day 1: 12/12/00
Day 30: 01/10/01

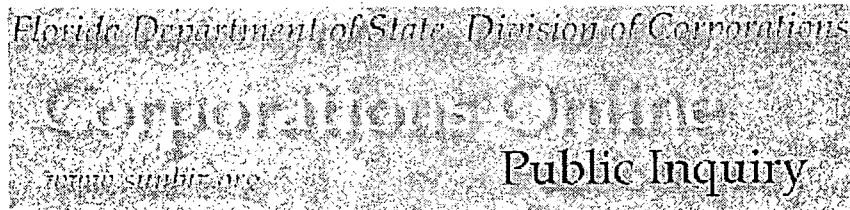
PATS sheet attached: _____
Enforcement Case/CO/NOV/ associated with this site: _____
Files and related documents can be found Attached

Please review and comment on the technical aspects of the attached document as you deem appropriate. In order to maintain progress with the permit review, please provide comments within 30 days or by JAN 5, 2001.

Comments: _____

Module _____

Attachments



Florida Profit

SID LARKIN AND SON, INC.

PRINCIPAL ADDRESS
 37749 SOUTHVIEW AVENUE
 DADE CITY FL 33525
 Changed 02/01/1995

MAILING ADDRESS
 37749 SOUTHVIEW AVENUE
 DADE CITY FL 33525
 Changed 02/01/1995

Document Number 393602	FEI Number 591377335	Date Filed 01/04/1972
State FL	Status ACTIVE	Effective Date NONE
Last Event AMENDMENT	Event Date Filed 10/23/1997	Event Effective Date NONE

Registered Agent

Name & Address
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[Corporations Inquiry](#)

[Corporations Help](#)



SID LARKIN AND SON, INC.

Document Number	Date Filed	Effective Date	Status
393602	01/04/1972	None	Active

EVENT TYPE	FILED DATE	EFFECTIVE DATE	DESCRIPTION
AMENDMENT	10/23/1997		
REINSTATEMENT	02/01/1995		
DISSOLVED BY PROCLAMATION	10/21/1974		

THIS IS NOT OFFICIAL RECORD; SEE DOCUMENTS IF QUESTION OR CONFLICT

Corporations Inquiry

Corporations Help

SOUTHWEST DISTRICT
FDEP

Solid Waste Program
Permitting Application

New Site

Site Name:	ENTERPRISE CLASS III LANDFILL
Site Address:	ENTERPRISE ROAD
County:	DADE
Type/Subcode:	SO/T3

Existing Site

Site ID:	177982	-002
Project Name:	ENTERPRISE CLASS III LANDFILL	
Type/Subcode:	SO/T3	
Fee Submitted:	4000	<input checked="" type="checkbox"/> correct () incorrect
Fee Refund \$	<input checked="" type="checkbox"/>	Fee Request \$ <input checked="" type="checkbox"/>

Related Party

Role:	APPLICANT
Name:	JOHN LARKIN
Company:	SID LARKIN & SON, INC
Street:	PO BOX 1747
City:	DADE CITY
Zip Code:	33526
Phone:	(813) 713-2704

Distribution Date: _____

Fee Checked By: E FORD

Date: 12/13/00

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

A. GENERAL INFORMATION

1. Type of facility:

Disposal [X]

Class I Landfill	[]	Ash Monofill	[]
Class II Landfill	[]	Asbestos Monofill	[]
Class III Landfill	[X]	Industrial Solid Waste	[]
Other	[]		

Volume Reduction []

Incinerator	[]	Pulverizer / shredder	[]
Composting	[]	Compactor/Baling Plant	[]
Materials Recovery	[]	Energy Recovery	[]
Other	[]		

2. Type of application:

Construction	[]	Construction/Operation	[X]
Operation	[]	Closure	[]

3. Classification of application:

New	[X]	Substantial Modification	[]
Renewal	[]	Minor Modification	[]

4. Facility name: Enterprise Recycling and Disposal Facility

5. DEP ID number: _____ County: Pasco

6. Facility location (main entrance): Enterprise Road
Dade City, Florida

7. Location coordinates:

Section: 5,8 Township: 25 Range: 22

UTMs: Zone 17 388741 km E 3134273 km N

Latitude: 28 ° 19 ' 53 " Longitude: 82 ° 08 ' 06 "

8. Applicant name (operating authority): Sid Larkin & Son, Inc.

Mailing address: P.O. Box 1747 Dade City Florida 33526
Street or P.O. Box City State zip

Contact person: Jon Larkin Telephone: (813)713-2704

Title: Owner

- 9 Authorized agent/contact: Hartman & Associates, Inc.
- Mailing address: 201 East Pine Street Orlando Florida 32801
 Street or P.O. Box City State zip
- Contact person: James E. Golden, P.G. Telephone: (407) 839-3955
- Title: Sr. Hydrogeologist/Associate
10. Landowner (if different than applicant): Same
- Mailing address: Same
 Street or P.O. Box City State zip
- Contact person: Same Telephone: Same
11. Cities, towns and areas to be served: Pasco, Hillsborough, Hernando, and Polk Counties
12. Population to be served:
- Current: 1,854,262 Five-Year Projection: 1,948,848
13. Volume of solid waste to be received: 1500 yds³/day tons/day gallons/day
14. Date site will be ready to be inspected for completion: 8/2001
15. Estimated life of facility: 30 years
16. Estimated costs:
- Total Construction: \$ 500,000 Closing Costs: \$ 420,673
17. Anticipated construction starting and completion dates:
- From: 3/2001 To: 8/2001

B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned by this application:

The proposed facility will be a Class I Mine that will be reclaimed as a Class III landfill.

2. Facility site supervisor: To be designated upon permit approval.

Title: To be provided Telephone: () To be provided

3. Disposal area: Total 160 acres; Used 0 acres; Available 111 acres

4. Weighing scales used: Yes No

5. Security to prevent unauthorized use: Yes No

6. Charge for waste received: 9.50 \$/yds³ _____ \$/ton

7. Surrounding land use, zoning:

Residential	<input type="checkbox"/>	Industrial	<input type="checkbox"/>
Agricultural	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>
Commercial	<input type="checkbox"/>	Other	<input type="checkbox"/>

8. Types of waste received:

Residential	<input type="checkbox"/>	C & D debris	<input checked="" type="checkbox"/>
Commercial	<input type="checkbox"/>	Shredded/cut tires	<input checked="" type="checkbox"/>
Incinerator / WTE ash	<input type="checkbox"/>	Yard trash	<input checked="" type="checkbox"/>
Treated biohazardous	<input type="checkbox"/>	Septic tank	<input type="checkbox"/>
Water treatment sludge	<input type="checkbox"/>	Industrial	<input type="checkbox"/>
Air treatment sludge	<input type="checkbox"/>	Industrial sludge	<input type="checkbox"/>
Agricultural	<input type="checkbox"/>	Domestic sludge	<input type="checkbox"/>
Asbestos	<input checked="" type="checkbox"/>		
Other	<input type="checkbox"/>		

9. Salvaging permitted: Yes No

10. Attendant: Yes No Trained operator: Yes No

11. Spotters: Yes No Number of spotters used: Minimum of 1

12. Site located in: Floodplain Wetlands Other Above 100-yr floodplain

13. Property recorded as a Disposal Site in County Land Records: Yes No

14. Days of operation: Monday through Friday; Saturday

15. Hours of operation: 7:00 a.m. to 6:00 p.m.; 7:00 a.m. to 2:00 p.m.

16. Days Working Face covered: Once per week

17. Elevation of water table: 61 TO 85 Ft. NGVD

18. Number of monitoring wells: Two upgradient, 14 downgrad
19. Number of surface monitoring points: None
20. Gas controls used: Yes [X] No [] Type controls: Active [] Passive [X]
 Gas flaring: Yes [] No [X] Gas recovery: Yes [] No [X]
21. Landfill Unit - liner type:
- | | | | |
|--------------------|-----|-------------------------|-------|
| Natural soils | [] | Double geomembrane | [] |
| Single clay liner | [] | Geomembrane & composite | [] |
| Single geomembrane | [] | Double composite | [] |
| single composite | [] | None | [X] |
| Slurry wall | [] | | |
| Other | | | |
22. Leachate collection method:
- | | | | |
|------------------|-----|--------------------|-------|
| Collection pipes | [] | Sand layer | [] |
| Geonets | [] | Gravel layer | [] |
| Well points | [] | Interceptor trench | [] |
| Perimeter ditch | [] | None | [X] |
| Other | [] | | |
23. Leachate storage method: NA
- | | | | |
|-------|-----|----------------------|-----|
| Tanks | [] | Surface impoundments | [] |
| Other | [] | | |
24. Leachate treatment method: NA
- | | | | |
|-----------|-----|--------------------|-------|
| oxidation | [] | Chemical treatment | [] |
| Secondary | [] | Settling | [] |
| Advanced | [] | None | [X] |
| Other | [] | | |
25. Leachate disposal method: NA
- | | | | |
|---------------------|-----|-----------------------------|-----|
| Recirculated | [] | Pumped to WWTP | [] |
| Transported to WWTP | [] | Discharged to surface water | [] |
| Injection well | [] | Evaporation (ie: Perc Pond) | [] |
| Other | [] | | |
26. For leachate discharged to surface waters:
 Name and Class of receiving water: NA
27. Storm Water:
 Collected: Yes [X] No [] Type of treatment Retention
 Name and Class of receiving water: Onsite stormwater ponds
28. Management and Storage of Surface Waters (MSSW) Permit number or status: _____
Application #51-0172489-001-In review

T. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

A. Applicant

The undersigned applicant or authorized representative of Enterprise Recycling and Disposal Facility is aware that statements made in this form and attached information are an application for a Class III Landfill Permit from the Florida Department of Environmental Regulation and certifies that the information in this application is true, correct and complete to the best of his 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.

[Signature]
Signature of Applicant or Agent

Jon Larkin, Owner
Name and Title

Date: 10-18-00

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

B. Professional Engineer Registered in Florida or Public Officer as required in Sections 403.707 and 403.707(5), 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 judgement, 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.

[Signature]
Signature

201 E. Pine St. Suite 1000
Mailing Address

Roderick K. Cashe, P.E.
Name and Title (please type)

Orlando, FL 32801
City, State, Zip Code

45,169
Florida Registration Number
(please affix seal)

(407) 839-3955
Telephone Number

Date: 11/17/00

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

PRINCIPALS:

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

SENIOR ASSOCIATES:

C. Zachary Fuller, P.E.
Marco H. Rocca, C.M.C.

ASSOCIATES:

J. Richard Voorhees, P.E.
Douglas P. Dufresne, P.G.
Roderick K. Cashe, P.E.
Jon D. Fox, P.E.
James E. Golden, P.G.
Troy E. Layton, P.E.
Alicia E. Oller, M.S.
Andrew T. Woodcock, P.E.
Lawrence E. Jenkins, P.S.M.
Daryl C. Walk, P.E.
Grant C. Malchow, M.B.A.
John P. Toomey, P.E.
W. Thomas Roberts, III, P.E.
Michael B. Bomar, P.E.

REGIONAL MANAGERS

Mark A. Gabriel, P.E.

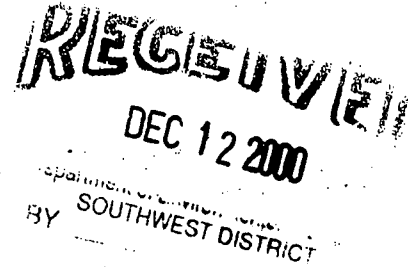
December 11, 2000

HAI #99-331.01

Phase 1

VIA UPS OVERNIGHT

Mr. Robert Butera, P.E.
Solid Waste Program Manager
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619



**Subject: Construction and Operation Permit Application
Sid Larkin & Son, Inc.
Enterprise Recycling and Disposal Facility
Class III Landfill
Dade City, Florida**

Dear Mr. Butera:

On behalf of Sid Larkin & Son, Inc. (SLS), Hartman & Associates, Inc. submits the enclosed check for the \$10,000.00 construction and operation application review fees for the subject permit.

Again, during your review, please feel free to call us to answer any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, E.I.
Engineer III

James E. Golden, P.G.
Senior Hydrogeologist/Associate

JEG/sas/99-331.01/Ph1/Butera.jeg

Enclosure

cc: Jon Larkin, SLS

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

ORLANDO FORT MYERS PLANTATION JACKSONVILLE DESTIN

Mr. Robert Butera
December 11, 2000
Page 2

bcc: Jim McElvenny, Angelo's

