

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

CERTIFIED MAIL 7002 3150 0003 8459 6214
RETURN RECEIPT REQUESTED

September 15, 2004

NOTICE OF PERMIT

Ms. Susan Metcalfe, P.G.
Citrus County Board of County Commissioners
Solid Waste Management
P.O. Box 340
Lecanto, FL 34460

RE: Citrus County Central Class I Landfill
Modification #21375-006-SO/TX to existing Operation Permit #
21375-003-SO
Citrus County

Dear Ms. Metcalfe:

Attached is modified Operation Permit 21375-003-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes. The following Conditions have been revised in modification number 21375-006-SO/TX:

SPECIFIC CONDITIONS	FROM	TO	TYPE OF MODIFICATION
Page 1 of 21	Existing	Amended	Changes expiration date of permit to August 31, 2005.
#2	Existing	Amended	Additional permitting documents referenced.

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

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

The petition shall contain the following information;

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

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

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

PERMITTEE: Ms. Susan Metcalfe, P.G.
Citrus County Central Landfill

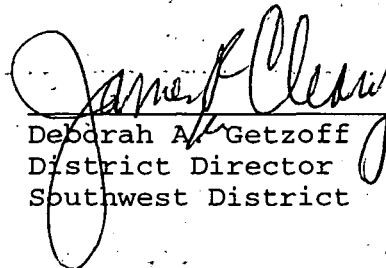
Mod. #21375-006-SO/TX to
Permit No:21375-003-SO

Page 3

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

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
District Director
Southwest District

DAG/smc
Attachment

Copies furnished to:

John Banks, P.E., [SCS Engineers, 3012 US Hwy 301 N, Suite 700,
Tampa, FL 33619]
Susan Pelz, P.E., SW
(Permit Notebook)

CERTIFICATE OF SERVICE

This undersigned duly designated deputy clerk hereby certifies that this **NOTICE OF PERMIT** and all copies were mailed before the close of business on Sept 15, 2004 to the listed persons.
(date stamp)

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

Anna Black
Clerk

09/15/2004
Date



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

PERMITTEE

Citrus County
Board of County Commissioners
c/o Ms Susan Metcalfe, P.G.
Solid Waste Management
P. O. Box 340
Lecanto, FL 34460

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/09/39859
Permit No: **21375-003-SO**
Date of Issue: **January 11, 2002**
Expiration Date: **August 31, 2005**
County: Citrus
Lat/Long: 28°51'08"N
82°26'38"W
Sec/Town/Rge: 1/19S/18E
Project: Citrus County Central
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-330, 62-520, 62-522, and 62-701. The above named permittee is hereby authorized to perform the activities 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 and maintain a landfill with leachate storage and treatment, and related facilities (approximately 80 acres), referred to as the Citrus County Central Class I Landfill, and to provide long-term care, monitoring and maintenance for the closed Class I landfill and related systems (approximately 60 acres), referred to as the Closed Citrus County Central Landfill, subject to the specific and general conditions attached, for management and disposal of solid waste and leachate, (and for long-term care, monitoring and maintenance of the closed Class I landfill), near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida. The specific conditions attached are for the operation and maintenance of:

1. Class I Landfill, Leachate Storage and Treatment Facility,
2. Closed Class I landfill.

Replaces Permit No.: SO09-274381 and 126601-002-SF

General Information - Active Site:

Maximum elevation - Top of Phase IA: +160 feet NGVD
Disposal Acreage: 19.8 acres; Closed: 0.0 acres; Available: 19.8 acres
Bottom Liner, Leachate Collection Systems:
Phase I - 16.5 acres - Single, 60 mil HDPE; Primary LCS piping
Phase IA - 3.3 acres - Double, 60 mil HDPE; Primary LCS piping, Geonet LDS

Includes Modification #: **21375-006-SO/TX, dated 09/15/2004**

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.

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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.

PERMITTEE: Citrus County Board of
County Commissioners

PERMIT NO: 21375-003-SO
Citrus County Central Class I Landfill

GENERAL CONDITIONS:

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.

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.

GENERAL CONDITIONS:

(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.

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. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of Phases 1 and 1A of the Class I landfill and related facilities, (and long-term care, monitoring and maintenance of the closed Class I landfill and related systems), in accordance with the reports, plans and other information as follows:

- May 1998 Closed Landfill Long-Term Care Permit Renewal Application and supporting information by CH2M Hill received May 28, 1998;
- Supporting information by Citrus County dated July 20, 1998 received July 22, 1998;
- April 2001 Operation Permit Renewal Application and supporting information by Jones, Edmunds & Associates received April 27, 2001;
- Responses and supporting information by Jones, Edmunds & Associates, including the Operations Plan and Phase I and IA Filling Plans, received July 20, 2001;
- Responses and replacement pages by Jones, Edmunds & Associates received September 10 and October 17, 2001;
- Remaining air space and site life calculation by SCS Engineers received July 14 and 22, 2004;
- and in accordance with all applicable requirements of Department rules.

Amended 09/15/2004

3. **Permit Modifications.** Any construction, operation, or other activities such as future uses of the closed landfill, 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.

- a. This permit does not authorize landfill closure or operation of the temporary transfer station. The proposed transfer station will require a minor permit modification approved by FDEP prior to construction and operation. The construction and operation will be required to be substantially in accordance with Section 2.2.5 of the Operations Plan.

SPECIFIC CONDITIONS:

- b. This permit does not authorize landfill expansion. Upon receipt and approval of a request for a minor permit modification pursuant to F.A.C. 62-4.050(4)(s) to operate any landfill expansion, including Certification of Construction Completion for the expansion, operations and filling plans, report assessing effectiveness of the related systems, and related supporting documents identified in a construction permit, the current operation permit shall be modified to allow the operation of the expansion. The expiration date of this permit shall be extended as part of the permit modification, to a date five years after the date when this permit was issued.
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(2). Operation permit renewal shall include but not be limited to an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.
5. **Prohibitions.** The prohibitions of F.A.C. 62-701.300 shall not be violated by the activities at this facility.
6. **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.
 - a. White goods and scrap metal that are held for the purposes of recycling shall be held no longer than one hundred and eighty (180) days, and shall be stored in a manner so as to prevent the discharge of CFCs (such as freon) and other residuals (such as gasoline, oil, and antifreeze) which may cause air or groundwater pollution. Surface water shall be diverted away from all storage or holding areas.
 - b. All solid wastes, recovered materials or residues handled at the site shall be stored in a manner so as not to constitute a fire or safety hazard or a sanitary nuisance, and shall comply with all applicable local or state regulations. Recovered resources which may be offered for sale shall comply with applicable regulations of all appropriate state agencies.
 - c. Yard trash accepted at the site shall be processed and recycled, or disposed of within twelve months. Compliance with the conditions of the Yard Trash Processing Facility Registration (#054-01-YT) shall be maintained.
 - d. The operation of the citizen waste drop-off facility shall comply with the following procedures:
 - (1) Only residential customers shall use the facilities, that is, no solid waste collectors or commercial haulers will be allowed usage;

SPECIFIC CONDITIONS:

- (2) An attendant shall be on duty when the facility is operating. Operating hours shall be posted, and fencing and gates shall be used to prevent unauthorized access when the facility is closed;
 - (3) Only roll-off containers and/or dumpsters shall be utilized for waste disposal. No compactors of any type shall be used; and
 - (4) All processable and non-processable solid waste, with the exception of recyclables, shall be removed from the site at least daily or when a container is full. At the close of business each day when no additional waste will be received, all processable and non-processable waste shall be covered with a waterproof tarp until the facility is again receiving solid waste.
 - (5) The Citizen Drop-off area shall be inspected for unauthorized materials and household hazardous waste at least daily.
- e. The household hazardous waste collection/storage ("HHW C/S") facility shall be operated in accordance with the March 2001 Facility Standards for the Citrus County Hazardous Waste Collection and Storage Facility, as follows:
- (1) HHW received at the Citizen Drop-off area shall be identified, and then relocated for storage within the containment area of the HHW Collection/Storage Facility at the end of each collection day.
 - (2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.
 - (3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.
 - (4) Non-latex paints shall not be air dried.
 - (5) Waste received at the HHW C/S Facility shall be stored within containment areas at all times.
 - (6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.
- f. The Used Oil Collection Center shall comply with FAC Chapter 62-710 and 40 Code of Federal Regulations (CFR) 280 and 281, and all applicable requirements of Department rules. Discharges are not allowed and are subject to FAC Chapter 62-770 for cleanup.

SPECIFIC CONDITIONS:

7. **Landfill Operation Requirements.** The permittee shall operate this facility in accordance with F.A.C. 62-701.500, Landfill Operation Requirements, and the Operations Plan by Jones, Edmunds and Associates.

8. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill at all times when the landfill receives waste. At least one trained spotter shall be at each working face when waste is received. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

9. **Operation Plan and Operating Record.** The landfill shall have an operational plan which meets the requirements of F.A.C. 62-701.500(2). 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 this permit. An operating record as required by F.A.C. 62-701.500(3) is part of the operations plan, and shall also be maintained at the site.

10. **Method and Sequence of Filling.** The method and sequence of filling shall be in accordance with Section 2.7.1 and Appendix A of the Operations Plan, by Jones, Edmunds and Associates.

- a. The top edge of the geomembrane liner shall be clearly identified in the field and maintained to prevent waste disposal and leachate runoff outside the geomembrane liner.
- b. Waste shall not be placed within 5 feet of the inside top edge of the bottom liner.
- c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner system at any time.

11. **Waste Records.** Waste quantity records shall be compiled monthly and maintained as described by F.A.C. 62-701.500(4), and made available to the Department upon request.

12. **Control of Access.** Access to, and use of, the facility shall be controlled as required by F.A.C. 62-701.500(5) and 62-701.600(5)(i).

13. **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.

- a. 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).

SPECIFIC CONDITIONS:

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

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

- a. Initial cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(e) so as to protect the public health and welfare. All solid waste disposed of in the Class I 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 working day.

- b. Alternate initial cover materials not identified herein shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin. Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover within the bermed working area.

- c. 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.

15. 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 leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area. **Interceptor berms shall be maintained around the active working area to prevent leachate runoff from the working face from entering the stormwater management system.** Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste.

16. Final Cover. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) in accordance with F.A.C. 62-701.500(7)(g) and all applicable requirements of Department rules.

SPECIFIC CONDITIONS:

17. **Leachate Management.** Leachate shall be managed in accordance with the requirements of F.A.C. 62-701.500(8) and the Operations Plan.

a. The leachate storage tanks shall be inspected as required by F.A.C. 62-701.400(6)(c)9.

b. Each pump shall be inspected on a semi-annual basis. Pump performance shall be verified and current draw recorded. Pumps showing reduced performance shall be removed for maintenance and repaired, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility.

c. Leachate generation reports shall be compiled monthly and submitted to the Department quarterly, or more frequently if requested, by January 15th, April 15th, July 15th and October 15th each year. Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, recirculated, treated and disposed on-site, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch. The reports shall include quantities for the leachate collection and leakage detection systems separately.

d. No-later than **one hundred and eighty (180) days prior to permit expiration**, the entire leachate collection and removal system shall be water pressure cleaned or visually or video inspected where practical to verify adequate performance. Components not performing adequately shall be cleaned and/or repaired. The inspection report shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan) and cause of obstructions encountered, proposed corrective actions as appropriate. The results of the inspection and cleaning shall be submitted to the Solid Waste Section of the Southwest District Office to demonstrate adequate performance prior to permit renewal.

e. **Leachate Leakage Action Rates.** Leakage into the leakage detection systems (LDS) in Phase IA should not exceed 330 gallons per day (3.3 acres @ 100 gpd) based on EPA recommended action leakage rates published in the Federal Register/Vol. 57 No. 19/ Wednesday January 29, 1992/Rules and Regulations. Exceedance of the leakage action rate indicates that deficiencies in the primary liner system may exist. In the event that the quantity of leachate which is removed from the LDS exceeds the action leakage rate, the Department shall be notified **within 48 hours** of discovery. A written plan for corrective action shall be submitted to the Department **within 7 days** of discovery. The approved plan of action shall be implemented within 15 days of Department approval, or in accordance with an alternate schedule approved by the Department.

18. **Gas Monitoring.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation, and shall monitor landfill gas as required by Rules 62-701.500(9) and 62-701.530, F.A.C.

SPECIFIC CONDITIONS:

b. Landfill gas shall be monitored as described in Section 9 of the Operations Plan to demonstrate compliance with the criteria established in Rule 62.701.530(1)(a), F.A.C. (25% of the lower explosive limit (LEL) in on-site and off-site structures) and in Rule 62-701.530(1)(b), F.A.C. (100% of the LEL at the property boundary).

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

<u>Measured During</u>	<u>Report Submitted By</u>
Quarter 1	April 15 th of each year
Quarter 2	July 15 th of each year
Quarter 3	October 15 th of each year
Quarter 4	January 15 th of each year

19. **Gas Monitoring Locations.** The gas monitoring locations described in Section 9 of the Operations Plan and as shown on the related figures shall be sampled at least **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. Rule 62-701.530(2).

<u>Monitoring Point</u>	<u>Locations:</u>
Active Landfill	GS-1S and GS-1E, see Figure 9-1
Closed 60-acre Landfill	See Figure 9-1 (attached)
Scalehouse	See Figure 9-3 (attached)
Administrative Building	2 sampling points
Leachate Treatment Electrical Room	1 sampling points

The listed gas monitoring probes are to be clearly labeled and easily visible at all times.

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

21. **Stormwater System Management.** Stormwater shall be managed as required by F.A.C. 62-701.400(9) to meet applicable standards of F.A.C. 62-302 and 62-330. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate in accordance with Appendix B Figure 11 (attached) by CH2M Hill. All stormwater conveyances shall be inspected at least weekly to verify adequate performance. Conveyances not performing adequately shall be repaired within three (3) working days. Documentation of all inspections and repairs shall be kept on file at the facility.

22. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13). An annual estimate of the remaining life and landfill capacity, as required by 62-701.500(13)(c), shall be maintained and submitted to the Department **annually, by April 15th of each year**, along with the most recent topographic survey or field measurements (not more than 1 year old) and supporting calculations, signed and sealed by a professional engineer.

SPECIFIC CONDITIONS:

23. **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.

24. **Closure Permit Requirements.** No later than **one hundred eighty (180) days prior** to the date when wastes will no longer be accepted for active portions of the landfill, the landfill owner or operator shall submit a closure permit application to the Department in order to assure conformance with all applicable Department rules.

25. **Financial Assurance.** The permittee shall provide financial assurance for this landfill site in accordance with F.A.C. 62-701.630.

(a) All costs for closure and long-term care shall be adjusted and submitted **annually, by September 1 each year**, to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

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

26. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this facility. 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. Mosquitoes and rodents shall be controlled so as to protect the public health and welfare.

27. **Facility Maintenance and Repair.** The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, groundwater monitoring system repairs, gas venting and monitoring system repairs, repair and maintenance of leachate collection and removal systems, and maintenance of the leachate storage and treatment facilities. In the event of damage to any portion of the landfill site facilities or failure of any part of the landfill systems (including damaged or dry monitoring wells), the permittee shall immediately (**within 24 hours**) notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. Written detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

SPECIFIC CONDITIONS:

28. Water Quality Monitoring Quality Assurance.

a. All field work and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) referenced in Chapter 62-160, F.A.C., or in accordance with a Quality Assurance Plan (QAP) approved by the Department. The SOPs and QAP utilized must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit.

b. The field testing, sample collection and 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. Zone of Discharge.

a. The zone of discharge for the site landfills and the percolation ponds for treated leachate effluent shall extend horizontally as shown on Figure 1 entitled "Well Locations and Leachate Sampling Locations" received January 3, 2002 (attached), prepared by Jones Edmunds & Associates, Inc., and shall extend vertically to the bottom of the surficial aquifer. The dimensions of the western edge of the zone of discharge are described in the Public Records of Citrus County, Book 1169, pages 0399 and 0400, recorded February 4, 1997.

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

30. Leachate Influent Sampling. Grab samples of leachate influent (WACS test site ID No. 172) shall be collected from the master lift station (see attached Figure 1) to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

a. **Annual** leachate influent sampling shall be conducted for analysis of the following parameters:

Field Parameters

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

Laboratory Parameters

Total ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix II

SPECIFIC CONDITIONS:

b. If the annual leachate influent analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 30.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

31. **Discharges from Percolation Pond.** Direct discharge from the percolation pond system to area surface waters is not allowed. Surface discharge shall be considered a violation of this permit and the permittee shall immediately report any such discharge to the Solid Waste Section, Southwest District office of the Department of Environmental Protection.

32. **Leachate Treatment Plant Effluent Testing.** These test parameters shall meet the Florida Groundwater Standards and minimum criteria listed in Rules 62-520.400 and 62-520.420, F.A.C., with the exception of sodium, chloride and total dissolved solids (TDS). These parameters shall meet the standards listed in Rule 62-520.420, F.A.C., at the edge of the zone of discharge (as described in Specific Condition No. 29).

a. Leachate effluent (WACS test site ID No. 175) shall be sampled at the frequency listed below, and the analytical results shall be submitted quarterly, as follows: Quarter 1 results shall be submitted by **April 15th**; Quarter 2 by **July 15th**; Quarter 3 by **October 15th**; and, Quarter 4 by **January 15th**.

Parameter	Unit	Minimum	Maximum	Frequency
Flow	gpd	N/A	30,000	Daily
pH	STD UNITS	6.00	8.50	Daily
CBOD ₅	mg/l	N/A	20	Weekly
TSS	mg/l	N/A	20	Weekly
Nitrate-N	mg/l	N/A	10	Weekly
Chloride	mg/l	N/A	N/A	Quarterly
Sodium	mg/l	N/A	N/A	Quarterly
TDS	mg/l	N/A	N/A	Quarterly
Benzene	µg/l	N/A	1	Quarterly
Toluene	µg/l	N/A	40	Quarterly
Ethylbenzene	µg/l	N/A	30	Quarterly
Total Xylenes	µg/l	N/A	20	Quarterly
Ethylene dibromide (EDB)	µg/l	N/A	0.02	Quarterly
Total Trihalomethanes	µg/l	N/A	100	Semi-annually*
Arsenic	mg/l	N/A	0.05	Annually
Barium	mg/l	N/A	2	Annually
Cadmium	mg/l	N/A	0.005	Annually
Chromium	mg/l	N/A	0.1	Annually
Iron	mg/l	N/A	0.3	Annually
Mercury	mg/l	N/A	0.002	Annually
Lead	mg/l	N/A	0.015	Annually
Selenium	mg/l	N/A	0.05	Annually
Silver	mg/l	N/A	0.1	Annually

* to be conducted concurrently with the semi-annual ground water sampling events described in Specific Condition Nos. 34.b. and 34.c.

Annually, the leachate effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix I, however the effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix II during the annual sampling event conducted prior to permit renewal.

SPECIFIC CONDITIONS:

If in any two consecutive weeks of effluent sampling, the same listed contaminant exceeds the regulatory level, the permittee shall immediately cease discharge into the percolation ponds and provide off-site disposal for its leachate and/or effluent, until acceptable leachate treatment is again demonstrated and until on-site discharge into the percolation ponds is again approved by the Department.

b. Waste sludge from the leachate treatment plant shall be sampled and analyzed **annually** using Department SOPs or a Department approved QAP for the following parameters:

Toxicity Characteristic Leaching Potential Test (TCLP) for the organics, metals and pesticides listed in 40 CFR Part 261.24, Table 1
pH (standard units)
Solids (percent)

Waste sludge that is not classified as hazardous waste (Chapter 62-730.030, F.A.C.) may be disposed in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal activities.

33. **Groundwater Monitoring Well Locations.** The ground water monitoring plan is described in the submittal entitled *Groundwater and Leachate Monitoring Plan Review, Class I Central Landfill*, prepared by Jones Edmunds & Associates, Inc., dated April 2001 (revised July 2001, September 2001, and October 2001). The monitor well locations shown on attached Figure 1 (received January 3, 2002) are described as follows:

Well No.	WACS Testsite ID Number	Aquifer	Designation	Location
MW-1(R)	165	Floridan	Background	See Figure 1
MW-2	149	Floridan	Background	See Figure 1
MW-3	150	Floridan	Background	See Figure 1
MW-4	166	Floridan	Piezometer	See Figure 1
MW-5	167	Floridan	Piezometer	See Figure 1
MW-6	168	Floridan	Intermediate	See Figure 1
MW-7	179	Floridan	Background	See Figure 1
MW-8R	180	Floridan	Detection	See Figure 1
MW-9	181	Floridan	Detection	See Figure 1
MW-AA	169	Floridan	Detection	See Figure 1
MW-B	65	Floridan	Detection	See Figure 1
MW-C	66	Floridan	Detection	See Figure 1
MW-D	27	Floridan	Detection	See Figure 1
MW-E	171	Floridan	Compliance	See Figure 1

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:

34. **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. Ground water samples for analysis of metals may be field-filtered if the criteria listed in the Department's 1994 technical document entitled *Determining Representative Ground Water Samples, Filtered or Unfiltered* are met.

a. Ground water levels shall be measured for all sampling events described in Specific Condition Nos. 34.b. and 34.c., at all wells listed in Specific Condition No. 33 to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well.

b. Background wells (MW-1R, MW-2, MW3, and MW-7), detection wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9), and compliance well MW-E 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 (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I

c. Intermediate well MW-6 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 (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I
Fecal Coliform
Total Trihalomethanes

35. **Groundwater Monitoring Well Construction.** The following information shall be submitted **within 90 days of installation** of all new or replacement wells, or as stated below:

a. Prior to construction of all new or replacement wells the permittee shall request and receive Department approval of a minor permit modification.

b. Construction details (record drawings) 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).

SPECIFIC CONDITIONS:

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

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

36. **Well Abandonment.** All wells 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 (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

37. **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 from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

38. **Water Quality, Leachate and Sludge Reporting Requirements.** All leachate 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 the leachate quality analysis by **January 15th, April 15th, July 15th, and October 15th of each year**. The permittee shall submit to the Department the results of sludge analysis by **January 15th of each year**. The permittee shall submit to the Department the results of ground water quality analysis **January 15th and July 15th of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a 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.

SPECIFIC CONDITIONS:

39. **Groundwater Monitoring Plan Evaluation.** By December 15, 2003 and no later than June 15, 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>
December 15, 2003	First Half 2001	First Half 2003
June 15, 2006	Second Half 2003	Second Half 2005

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.

40. Air Requirements.

a. An air construction permit is not required for the landfill unless landfill construction or any modification is subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. A landfill for which construction or modification is subject to PSD requirements must make application to the Bureau of Air Regulation, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, for an air construction permit and must obtain such permit prior to beginning any construction or modification.

b. An air operating permit is not required unless the landfill is required to obtain a Title V air operating permit (Title V permit) pursuant to Section 403.0872, F.S. A landfill is required to obtain a Title V permit if the landfill (or the total facility, if the landfill is collocated or part of a larger facility) has the potential to emit 10 TPY of any hazardous air pollutant, 25 TPY of any combination of hazardous air pollutants or 100 TPY of any other regulated air pollutant. A landfill is also required to obtain a Title V permit if the maximum design capacity, as defined at 40 CFR 60, Subpart WWW, is equal or greater than 2.5 million Megagrams or 2.5-million cubic meters. Title V permits must be applied for in accordance with the timing and contact requirements of Rule 62-204.800, F.A.C. and Chapter 62-213, F.A.C. Title V applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill location.

SPECIFIC CONDITIONS:

c. The landfill shall comply with the requirements of 40 CFR 60, Subpart WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b) shall be submitted to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, FL 32399-2400.

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.

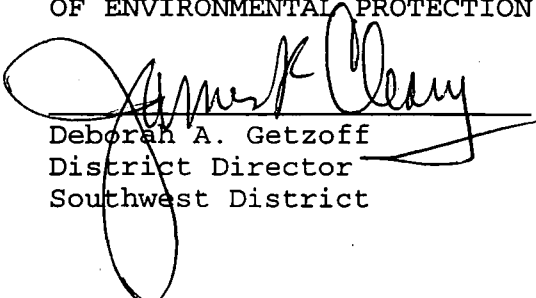
42. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

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

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

Executed in Tampa, Florida

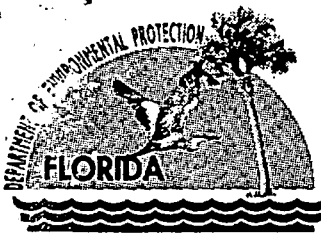
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Deborah A. Getzoff
District Director
Southwest District

Attachment 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4., 17.d.	180 days prior to permit expiration	Permit Renewal Application LCRS Inspection
17., 18. and 33.a	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Leachate generation reports, Gas monitoring results, Leachate treatment results
22.	Annually, by April 15th	Capacity estimate and Topographic survey
25.a.	Annually, by September 1st	Financial assurance cost estimates
25.b.	Annually	Submit proof of funding
30.a.	Annually	Leachate influent sampled/analyzed
32.a.	Daily, weekly, quarterly semi-annually, or annually	Leachate effluent sampled/analyzed
32.b.	Annually	Leachate treatment - Sludge results
34.	Every 6 months	Groundwater wells sampled/ analyzed
38.	Semi-annually, by January 15th, and July 15th	Groundwater quality monitoring results
38.	Quarterly, by January 15th, April 15th, August 15th, and October 15th	Leachate monitoring results
38.	Annually, by January 15th	Leachate treatment plant sludge analyses
40.	December 15, 2003 June 15, 2006	Evaluation of groundwater monitoring plan



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

PERMITTEE

Citrus County
Board of County Commissioners
c/o Ms Susan Metcalfe, P.G.
Solid Waste Management
P. O. Box 340
Lecanto, FL 34460

PERMIT/CERTIFICATION

WACS Facility ID No: SWD/09/39859
Permit No: 21375-003-SO
Date of Issue: January 11, 2002
Expiration Date: January 11, 2005
County: Citrus
Lat/Long: 28°51'08"N
82°26'38"W
Sec/Town/Rge: 1/19S/18E
Project: Citrus County Central
Class I Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-330, 62-520, 62-522, and 62-701. The above named permittee is hereby authorized to perform the activities 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 and maintain a landfill with leachate storage and treatment, and related facilities (approximately 80 acres), referred to as the Citrus County Central Class I Landfill, and to provide long-term care, monitoring and maintenance for the closed Class I landfill and related systems (approximately 60 acres), referred to as the Closed Citrus County Central Landfill, subject to the specific and general conditions attached, for management and disposal of solid waste and leachate, (and for long-term care, monitoring and maintenance of the closed Class I landfill), near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida. The specific conditions attached are for the operation and maintenance of:

1. Class I Landfill, Leachate Storage and Treatment Facility,
2. Closed Class I landfill

Replaces Permit No.: SO09-274381 and 126601-002-SF

General Information - Active Site:

Maximum elevation - Top of Phase IA: +160 feet NGVD
Disposal Acreage: 19.8 acres; Closed: 0.0 acres; Available: 19.8 acres
Bottom Liner, Leachate Collection Systems:
Phase I - 16.5 acres - Single, 60 mil HDPE; Primary LCS piping
Phase IA - 3.3 acres - Double, 60 mil HDPE; Primary LCS piping, Geonet LDS

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.

GENERAL CONDITIONS:

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.
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.

GENERAL CONDITIONS:

(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.

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. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated, monitored and maintained in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of Phases 1 and 1A of the Class I landfill and related facilities, (and long-term care, monitoring and maintenance of the closed Class I landfill and related systems), in accordance with the reports, plans and other information as follows:

- May 1998 Closed Landfill Long-Term Care Permit Renewal Application and supporting information by CH2M Hill received May 28, 1998;
- Supporting information by Citrus County dated July 20, 1998 received July 22, 1998;
- April 2001 Operation Permit Renewal Application and supporting information by Jones, Edmunds & Associates received April 27, 2001;
- Responses and supporting information by Jones, Edmunds & Associates, including the Operations Plan and Phase I and IA Filling Plans, received July 20, 2001;
- Responses and replacement pages by Jones, Edmunds & Associates received September 10 and October 17, 2001;
- and in accordance with all applicable requirements of Department rules.

3. **Permit Modifications.** Any construction, operation, or other activities such as future uses of the closed landfill, 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.

- a. This permit does not authorize landfill closure or operation of the temporary transfer station. The proposed transfer station will require a minor permit modification approved by FDEP prior to construction and operation. The construction and operation will be required to be substantially in accordance with Section 2.2.5 of the Operations Plan.

SPECIFIC CONDITIONS:

- b. This permit does not authorize landfill expansion. Upon receipt and approval of a request for a minor permit modification pursuant to F.A.C. 62-4.050(4)(s) to operate any landfill expansion, including Certification of Construction Completion for the expansion, operations and filling plans, report assessing effectiveness of the related systems, and related supporting documents identified in a construction permit, the current operation permit shall be modified to allow the operation of the expansion. The expiration date of this permit shall be extended as part of the permit modification, to a date five years after the date when this permit was issued.
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(2). Operation permit renewal shall include but not be limited to an updated Operations Plan and Site Plans for sequence of filling with cross-sections of lifts.
5. **Prohibitions.** The prohibitions of F.A.C. 62-701.300 shall not be violated by the activities at this facility.
6. **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.
 - a. White goods and scrap metal that are held for the purposes of recycling shall be held no longer than one hundred and eighty (180) days, and shall be stored in a manner so as to prevent the discharge of CFCs (such as freon) and other residuals (such as gasoline, oil, and antifreeze) which may cause air or groundwater pollution. Surface water shall be diverted away from all storage or holding areas.
 - b. All solid wastes, recovered materials or residues handled at the site shall be stored in a manner so as not to constitute a fire or safety hazard or a sanitary nuisance, and shall comply with all applicable local or state regulations. Recovered resources which may be offered for sale shall comply with applicable regulations of all appropriate state agencies.
 - c. Yard trash accepted at the site shall be processed and recycled, or disposed of within twelve months. Compliance with the conditions of the Yard Trash Processing Facility Registration (#054-01-YT) shall be maintained.
 - d. The operation of the citizen waste drop-off facility shall comply with the following procedures:
 - (1) Only residential customers shall use the facilities, that is, no solid waste collectors or commercial haulers will be allowed usage;

SPECIFIC CONDITIONS:

- (2) An attendant shall be on duty when the facility is operating. Operating hours shall be posted, and fencing and gates shall be used to prevent unauthorized access when the facility is closed;
 - (3) Only roll-off containers and/or dumpsters shall be utilized for waste disposal. No compactors of any type shall be used; and
 - (4) All processable and non-processable solid waste, with the exception of recyclables, shall be removed from the site at least daily or when a container is full. At the close of business each day when no additional waste will be received, all processable and non-processable waste shall be covered with a waterproof tarp until the facility is again receiving solid waste.
 - (5) The Citizen Drop-off area shall be inspected for unauthorized materials and household hazardous waste at least daily.
- e. The household hazardous waste collection/storage ("HHW C/S") facility shall be operated in accordance with the March 2001 Facility Standards for the Citrus County Hazardous Waste Collection and Storage Facility, as follows:
- (1) HHW received at the Citizen Drop-off area shall be identified, and then relocated for storage within the containment area of the HHW Collection/Storage Facility at the end of each collection day.
 - (2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.
 - (3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.
 - (4) Non-latex paints shall not be air dried.
 - (5) Waste received at the HHW C/S Facility shall be stored within containment areas at all times.
 - (6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.
- f. The Used Oil Collection Center shall comply with FAC Chapter 62-710 and 40 Code of Federal Regulations (CFR) 280 and 281, and all applicable requirements of Department rules. Discharges are not allowed and are subject to FAC Chapter 62-770 for cleanup.

SPECIFIC CONDITIONS:

7. **Landfill Operation Requirements.** The permittee shall operate this facility in accordance with F.A.C. 62-701.500, Landfill Operation Requirements, and the Operations Plan by Jones, Edmunds and Associates.

8. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one trained operator shall be at the landfill at all times when the landfill receives waste. At least one trained spotter shall be at each working face when waste is received. Training documentation shall be maintained at the landfill site, and copies shall be provided to the Department upon request.

9. **Operation Plan and Operating Record.** The landfill shall have an operational plan which meets the requirements of F.A.C. 62-701.500(2). 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 this permit. An operating record as required by F.A.C. 62-701.500(3) is part of the operations plan, and shall also be maintained at the site.

10. **Method and Sequence of Filling.** The method and sequence of filling shall be in accordance with Section 2.7.1 and Appendix A of the Operations Plan, by Jones, Edmunds and Associates.

- a. The top edge of the geomembrane liner shall be clearly identified in the field and maintained to prevent waste disposal and leachate runoff outside the geomembrane liner.
- b. Waste shall not be placed within 5 feet of the inside top edge of the bottom liner.
- c. Leachate shall not be deposited, injected, dumped, spilled, leaked, or discharged in any manner to soils, surface water or groundwater outside the liner system at any time.

11. **Waste Records.** Waste quantity records shall be compiled monthly and maintained as described by F.A.C. 62-701.500(4), and made available to the Department upon request.

12. **Control of Access.** Access to, and use of, the facility shall be controlled as required by F.A.C. 62-701.500(5) and 62-701.600(5)(i).

13. **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.

- a. 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).

SPECIFIC CONDITIONS:

- b. The operating authority shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customer's name and date of disposal, shall be kept on file by the operating authority on-site.
14. **Waste Handling Requirements.** All solid waste disposed of in the Class I area shall be covered as required by F.A.C. 62-701.500(7).
- a. Initial cover shall be applied and maintained in accordance with F.A.C. 62-701.500(7)(e) so as to protect the public health and welfare. All solid waste disposed of in the Class I 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 working day.
 - b. Alternate initial cover materials not identified herein shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin. Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover within the bermed working area.
 - c. 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.
15. **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 leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area. **Interceptor berms shall be maintained around the active working area to prevent leachate runoff from the working face from entering the stormwater management system.** Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste.
16. **Final Cover.** Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed (shall receive final cover) in accordance with F.A.C. 62-701.500(7)(g) and all applicable requirements of Department rules.

SPECIFIC CONDITIONS:

17. **Leachate Management.** Leachate shall be managed in accordance with the requirements of F.A.C. 62-701.500(8) and the Operations Plan.

a. The leachate storage tanks shall be inspected as required by F.A.C. 62-701.400(6) (c) 9.

b. Each pump shall be inspected on a semi-annual basis. Pump performance shall be verified and current draw recorded. Pumps showing reduced performance shall be removed for maintenance and repaired, and a replacement pump installed if required for continued compliance. Documentation of all inspections shall be kept on file at the facility.

c. Leachate generation reports shall be compiled monthly and submitted to the Department quarterly, or more frequently if requested, by January 15th, April 15th, July 15th and October 15th each year. Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, recirculated, treated and disposed on-site, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch. The reports shall include quantities for the leachate collection and leakage detection systems separately.

d. No later than **one hundred and eighty (180) days prior to permit expiration**, the entire leachate collection and removal system shall be water pressure cleaned or visually or video inspected where practical to verify adequate performance. Components not performing adequately shall be cleaned and/or repaired. The inspection report shall include an evaluation of the effectiveness of the system, the location (indicated on a Site Plan) and cause of obstructions encountered, proposed corrective actions as appropriate. The results of the inspection and cleaning shall be submitted to the Solid Waste Section of the Southwest District Office to demonstrate adequate performance prior to permit renewal.

e. **Leachate Leakage Action Rates.** Leakage into the leakage detection systems (LDS) in Phase IA should not exceed 330 gallons per day (3.3 acres @ 100 gpd) based on EPA recommended action leakage rates published in the Federal Register/Vol. 57 No. 19/ Wednesday January 29, 1992/Rules and Regulations. Exceedance of the leakage action rate indicates that deficiencies in the primary liner system may exist. In the event that the quantity of leachate which is removed from the LDS exceeds the action leakage rate, the Department shall be notified **within 48 hours** of discovery. A written plan for corrective action shall be submitted to the Department **within 7 days** of discovery. The approved plan of action shall be implemented within 15 days of Department approval, or in accordance with an alternate schedule approved by the Department.

18. **Gas Monitoring.**

a. Landfills that receive biodegradable wastes shall have a gas management system designed to prevent explosions and fires, and to minimize off-site odors, lateral migration of gases and damage to vegetation, and shall monitor landfill gas as required by Rules 62-701.500(9) and 62-701.530, F.A.C.

SPECIFIC CONDITIONS:

b. Landfill gas shall be monitored as described in Section 9 of the Operations Plan to demonstrate compliance with the criteria established in Rule 62.701.530(1)(a), F.A.C. (25% of the lower explosive limit (LEL) in on-site and off-site structures) and in Rule 62-701.530(1)(b), F.A.C. (100% of the LEL at the property boundary).

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

Measured During

Quarter 1
Quarter 2
Quarter 3
Quarter 4

Report Submitted By

April 15th of each year
July 15th of each year
October 15th of each year
January 15th of each year

19. **Gas Monitoring Locations.** The gas monitoring locations described in Section 9 of the Operations Plan and as shown on the related figures shall be sampled at least **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. Rule 62-701.530(2).

Monitoring Point

Active Landfill
Closed 60-acre Landfill
Scalehouse
Administrative Building
Leachate Treatment Electrical Room

Locations:

GS-1S and GS-1E, see Figure 9-1
See Figure 9-1 (attached)
See Figure 9-3. (attached)
2 sampling points
1 sampling points

The listed gas monitoring probes are to be clearly labeled and easily visible at all times.

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

21. **Stormwater System Management.** Stormwater shall be managed as required by F.A.C. 62-701.400(9) to meet applicable standards of F.A.C. 62-302 and 62-330. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate in accordance with Appendix B Figure 11 (attached) by CH2M Hill. All stormwater conveyances shall be inspected at least weekly to verify adequate performance. Conveyances not performing adequately shall be repaired within three (3) working days. Documentation of all inspections and repairs shall be kept on file at the facility.

22. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13). An annual estimate of the remaining life and landfill capacity, as required by 62-701.500(13)(c), shall be maintained and submitted to the Department **annually, by April 15th of each year**, along with the most recent topographic survey or field measurements (not more than 1 year old) and supporting calculations, signed and sealed by a professional engineer.

SPECIFIC CONDITIONS:

23. **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.

24. **Closure Permit Requirements.** No later than **one hundred eighty (180) days prior** to the date when wastes will no longer be accepted for active portions of the landfill, the landfill owner or operator shall submit a closure permit application to the Department in order to assure conformance with all applicable Department rules.

25. **Financial Assurance.** The permittee shall provide financial assurance for this landfill site in accordance with F.A.C. 62-701.630.

(a) All costs for closure and long-term care shall be adjusted and submitted **annually, by September 1 each year**, to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.

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

26. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this facility. 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. Mosquitoes and rodents shall be controlled so as to protect the public health and welfare.

27. **Facility Maintenance and Repair.** The site shall be properly maintained including erosion control, maintenance of grass cover, prevention of ponding, groundwater monitoring system repairs, gas venting and monitoring system repairs, repair and maintenance of leachate collection and removal systems, and maintenance of the leachate storage and treatment facilities. In the event of damage to any portion of the landfill site facilities or failure of any part of the landfill systems (including damaged or dry monitoring wells), the permittee shall immediately (**within 24 hours**) notify the Department of Environmental Protection explaining such occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repairs. Written detailed notification shall be submitted to the Department **within seven (7) days** following the occurrence.

SPECIFIC CONDITIONS:

28. Water Quality Monitoring Quality Assurance.

a. All field work and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted in accordance with the Standard Operating Procedures (SOPs) referenced in Chapter 62-160, F.A.C., or in accordance with a Quality Assurance Plan (QAP) approved by the Department. The SOPs and QAP utilized must specifically address the types of sampling and analytical work that are required by the permit and shall be implemented by all persons performing sample collection or analysis related to this permit.

b. The field testing, sample collection and 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. Zone of Discharge.

a. The zone of discharge for the site landfills and the percolation ponds for treated leachate effluent shall extend horizontally as shown on Figure 1 entitled "Well Locations and Leachate Sampling Locations" received January 3, 2002 (attached), prepared by Jones Edmunds & Associates, Inc., and shall extend vertically to the bottom of the surficial aquifer. The dimensions of the western edge of the zone of discharge are described in the Public Records of Citrus County, Book 1169, pages 0399 and 0400, recorded February 4, 1997.

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

30. Leachate Influent Sampling. Grab samples of leachate influent (WACS testsite ID No. 172) shall be collected from the master lift station (see attached Figure 1) to comply with the requirements of Rules 62-701.510(5) and 62-701.510(6)(c), F.A.C., as follow:

a. **Annual** leachate influent sampling shall be conducted for analysis of the following parameters:

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

Laboratory Parameters
Total ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total dissolved solids (TDS)
Those parameters listed in 40 CFR
Part 258, Appendix II

SPECIFIC CONDITIONS:

b. If the annual leachate influent analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis of the parameters listed in Specific Condition No. 30.a., and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

31. **Discharges from Percolation Pond.** Direct discharge from the percolation pond system to area surface waters is not allowed. Surface discharge shall be considered a violation of this permit and the permittee shall immediately report any such discharge to the Solid Waste Section, Southwest District office of the Department of Environmental Protection.

32. **Leachate Treatment Plant Effluent Testing.** These test parameters shall meet the Florida Groundwater Standards and minimum criteria listed in Rules 62-520.400 and 62-520.420, F.A.C., with the exception of sodium, chloride and total dissolved solids (TDS). These parameters shall meet the standards listed in Rule 62-520.420, F.A.C., at the edge of the zone of discharge (as described in Specific Condition No. 29).

a. Leachate effluent (WACS testsite ID No. 175) shall be sampled at the frequency listed below, and the analytical results shall be submitted quarterly, as follows: Quarter 1 results shall be submitted by **April 15th**; Quarter 2 by **July 15th**; Quarter 3 by **October 15th**; and, Quarter 4 by **January 15th**.

<u>Parameter</u>	<u>Unit</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Frequency</u>
Flow	gpd	N/A	30,000	Daily
pH	STD UNITS	6.00	8.50	Daily
CBOD ₅	mg/l	N/A	20	Weekly
TSS	mg/l	N/A	20	Weekly
Nitrate-N	mg/l	N/A	10	Weekly
Chloride	mg/l	N/A	N/A	Quarterly
Sodium	mg/l	N/A	N/A	Quarterly
TDS	mg/l	N/A	N/A	Quarterly
Benzene	µg/l	N/A	1	Quarterly
Toluene	µg/l	N/A	40	Quarterly
Ethylbenzene	µg/l	N/A	30	Quarterly
Total Xylenes	µg/l	N/A	20	Quarterly
Ethylene dibromide (EDB)	µg/l	N/A	0.02	Quarterly
Total Trihalomethanes	µg/l	N/A	100	Semi-annually*
Arsenic	mg/l	N/A	0.05	Annually
Barium	mg/l	N/A	2	Annually
Cadmium	mg/l	N/A	0.005	Annually
Chromium	mg/l	N/A	0.1	Annually
Iron	mg/l	N/A	0.3	Annually
Mercury	mg/l	N/A	0.002	Annually
Lead	mg/l	N/A	0.015	Annually
Selenium	mg/l	N/A	0.05	Annually
Silver	mg/l	N/A	0.1	Annually

* to be conducted concurrently with the semi-annual ground water sampling events described in Specific Condition Nos. 34.b. and 34.c.

Annually, the leachate effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix I, however the effluent shall be analyzed for the parameters listed in 40 CFR Part 258, Appendix II during the annual sampling event conducted prior to permit renewal.

SPECIFIC CONDITIONS:

If in any two consecutive weeks of effluent sampling, the same listed contaminant exceeds the regulatory level, the permittee shall immediately cease discharge into the percolation ponds and provide off-site disposal for its leachate and/or effluent, until acceptable leachate treatment is again demonstrated and until on-site discharge into the percolation ponds is again approved by the Department.

b. Waste sludge from the leachate treatment plant shall be sampled and analyzed **annually** using Department SOPs or a Department approved QAP for the following parameters:

Toxicity Characteristic Leaching Potential Test (TCLP) for the organics, metals and pesticides listed in 40 CFR Part 261.24, Table 1
pH (standard units)
Solids (percent)

Waste sludge that is not classified as hazardous waste (Chapter 62-730.030, F.A.C.) may be disposed in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal activities.

33. **Groundwater Monitoring Well Locations.** The ground water monitoring plan is described in the submittal entitled *Groundwater and Leachate Monitoring Plan Review, Class I Central Landfill*, prepared by Jones Edmunds & Associates, Inc., dated April 2001 (revised July 2001, September 2001, and October 2001). The monitor well locations shown on attached Figure 1 (received January 3, 2002) are described as follows:

<u>Well No.</u>	<u>WACS Testsite ID Number</u>	<u>Aquifer</u>	<u>Designation</u>	<u>Location</u>
MW-1 (R)	165	Floridan	Background	See Figure 1
MW-2	149	Floridan	Background	See Figure 1
MW-3	150	Floridan	Background	See Figure 1
MW-4	166	Floridan	Piezometer	See Figure 1
MW-5	167	Floridan	Piezometer	See Figure 1
MW-6	168	Floridan	Intermediate	See Figure 1
MW-7	179	Floridan	Background	See Figure 1
MW-8R	180	Floridan	Detection	See Figure 1
MW-9	181	Floridan	Detection	See Figure 1
MW-AA	169	Floridan	Detection	See Figure 1
MW-B	65	Floridan	Detection	See Figure 1
MW-C	66	Floridan	Detection	See Figure 1
MW-D	27	Floridan	Detection	See Figure 1
MW-E	171	Floridan	Compliance	See Figure 1

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:

34. 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. Ground water samples for analysis of metals may be field-filtered if the criteria listed in the Department's 1994 technical document entitled *Determining Representative Ground Water Samples, Filtered or Unfiltered* are met.

a. Ground water levels shall be measured for all sampling events described in Specific Condition Nos. 34.b. and 34.c., at all wells listed in Specific Condition No. 33 to a precision of 0.01 foot. The ground water surface contour maps prepared for each sampling event shall include ground water elevations (feet NGVD) calculated for each well.

b. Background wells (MW-1R, MW-2, MW3, and MW-7), detection wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9), and compliance well MW-E 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(TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I

c. Intermediate well MW-6 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(TDS)
Those parameters listed in 40 CFR
Part 258, Appendix I
Fecal Coliform
Total Trihalomethanes

35. Groundwater Monitoring Well Construction. The following information shall be submitted **within 90 days of installation of all new or replacement wells**, or as stated below:

a. Prior to construction of all new or replacement wells the permittee shall request and receive Department approval of a minor permit modification.

b. Construction details (record drawings) 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).

SPECIFIC CONDITIONS:

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

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

36. **Well Abandonment.** All wells 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 (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

37. **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 from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis to be representative of current ground water conditions at the facility. If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring, prevention measures and corrective action as described in Rule 62-701.510(7), F.A.C.

38. **Water Quality, Leachate and Sludge Reporting Requirements.** All leachate 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 the leachate quality analysis by **January 15th, April 15th, July 15th, and October 15th of each year**. The permittee shall submit to the Department the results of sludge analysis by **January 15th of each year**. The permittee shall submit to the Department the results of ground water quality analysis **January 15th and July 15th of each year** for the semi-annual periods July-December and January-June, respectively. The reports that transmit the results of ground water analysis shall contain the information listed in Rule 62-701.510(9)(a), F.A.C., including a 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.

SPECIFIC CONDITIONS:

39. **Groundwater Monitoring Plan Evaluation.** By December 15, 2003 and no later than June 15, 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>
December 15, 2003	First Half 2001	First Half 2003
June 15, 2006	Second Half 2003	Second Half 2005

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.

40. **Air Requirements.**

a. An air construction permit is not required for the landfill unless landfill construction or any modification is subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. A landfill for which construction or modification is subject to PSD requirements must make application to the Bureau of Air Regulation, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, for an air construction permit and must obtain such permit prior to beginning any construction or modification.

b. An air operating permit is not required unless the landfill is required to obtain a Title V air operating permit (Title V permit) pursuant to Section 403.0872, F.S. A landfill is required to obtain a Title V permit if the landfill (or the total facility, if the landfill is collocated or part of a larger facility) has the potential to emit 10 TPY of any hazardous air pollutant, 25 TPY of any combination of hazardous air pollutants or 100 TPY of any other regulated air pollutant. A landfill is also required to obtain a Title V permit if the maximum design capacity, as defined at 40 CFR 60, Subpart WWW, is equal or greater than 2.5 million Megagrams or 2.5 million cubic meters. Title V permits must be applied for in accordance with the timing and contact requirements of Rule 62-204.800, F.A.C. and Chapter 62-213, F.A.C. Title V applications shall be submitted to the District Air Program Administrator or County Air Program Administrator with air permitting authority for the landfill location.

SPECIFIC CONDITIONS:

c. The landfill shall comply with the requirements of 40 CFR 60, Subpart WWW and CC, as adopted by reference at Rule 62-204.800, F.A.C. Any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b) shall be submitted to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, FL 32399-2400.

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.

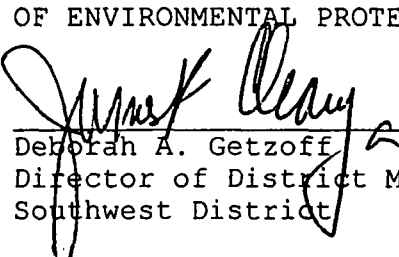
42. **General Conditions.** The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

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

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

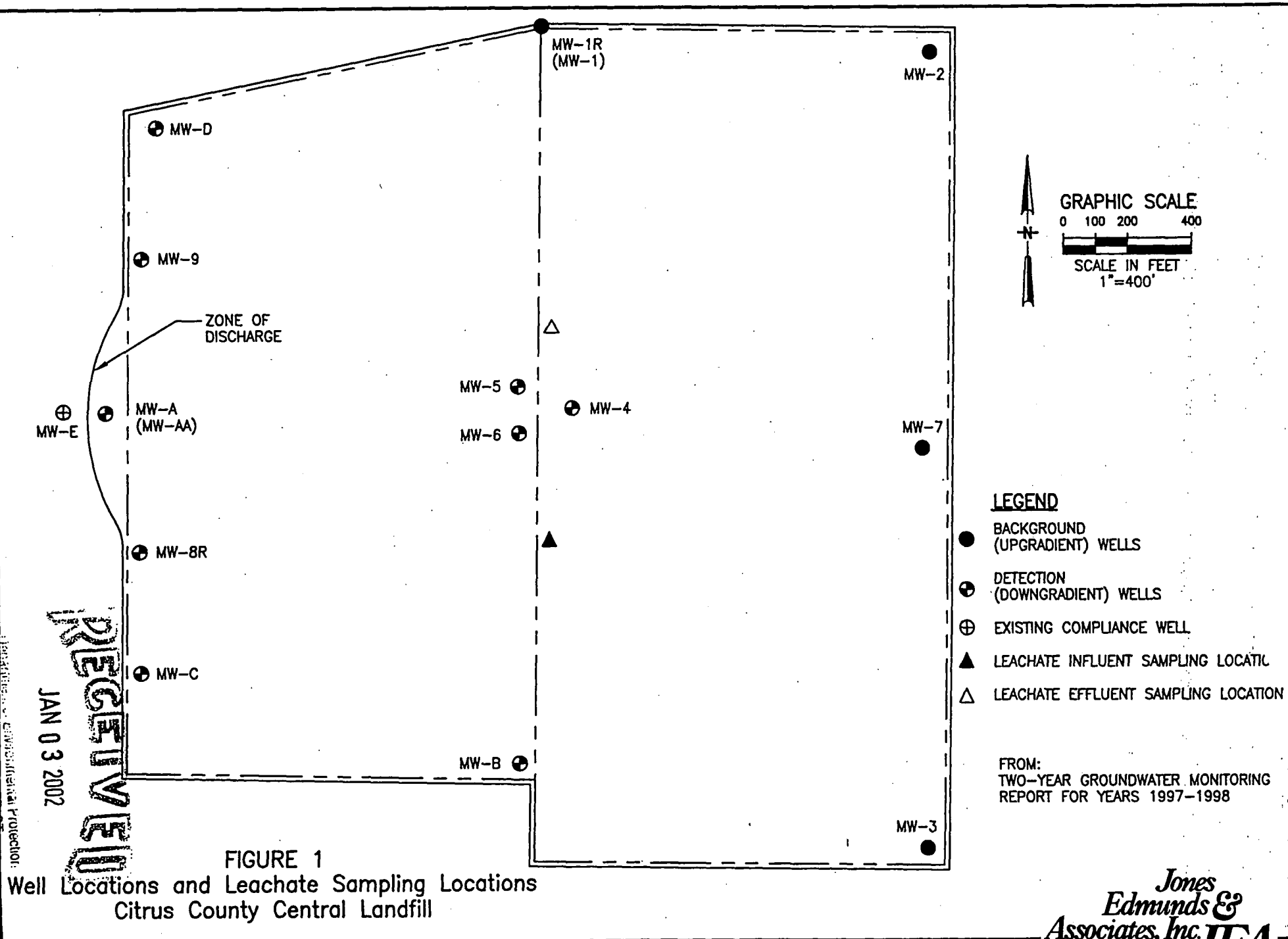
Executed in Tampa, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Deborah A. Getzoff
Director of District Management
Southwest District

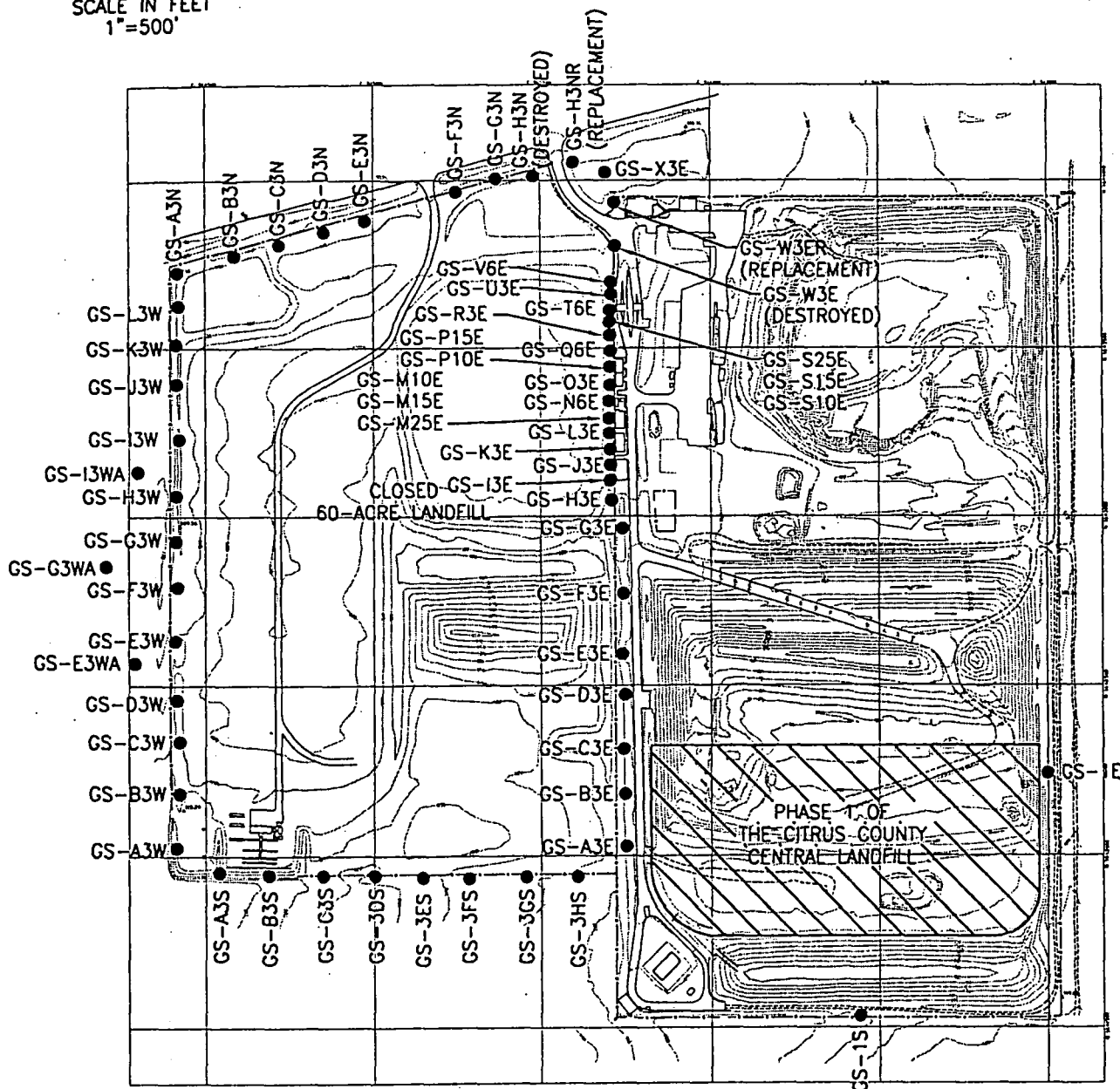
Attachment 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4., 17.d.	180 days prior to permit expiration	Permit Renewal Application LCRS Inspection
17., 18. and 33.a	Quarterly, by January 15th, April 15th, July 15th, and October 15th	Leachate generation reports, Gas monitoring results, Leachate treatment results
22.	Annually, by April 15th	Capacity estimate and Topographic survey
25.a.	Annually, by September 1st	Financial assurance cost estimates
25.b.	Annually	Submit proof of funding
30.a.	Annually	Leachate influent sampled/analyzed
32.a.	Daily, weekly, quarterly semi-annually, or annually	Leachate effluent sampled/analyzed
32.b.	Annually	Leachate treatment - Sludge results
34.	Every 6 months	Groundwater wells sampled/ analyzed
38.	Semi-annually, by January 15th, and July 15th	Groundwater quality monitoring results
38.	Quarterly, by January 15th, April 15th, August 15th, and October 15th	Leachate monitoring results
38.	Annually, by January 15th	Leachate treatment plant sludge analyses
40.	December 15, 2003 June 15, 2006	Evaluation of groundwater monitoring plan



036000501

GRAPHIC SCALE
0 125 250 500
SCALE IN FEET
1"=500'



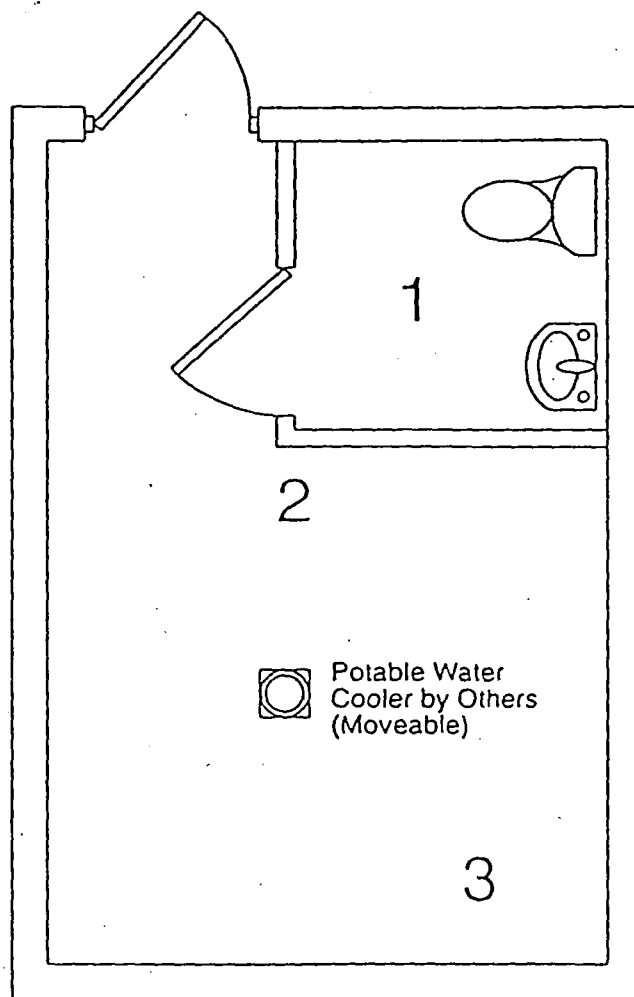
LEGEND

● GAS MONITORING SAMPLING POINT

Figure 9-1
Gas Monitoring Probes

Jones
Edmunds &
Associates, Inc. **JEA**

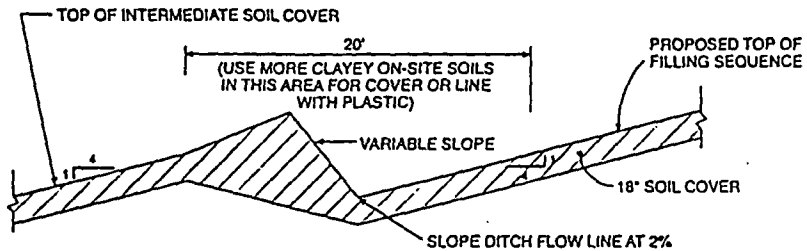
117984280



- 1 - Bathroom Floor Drain
- 2 - Electric Connections for Scale Meter - West Side
- 3 - Electric Connections for Scale Meter - East Side

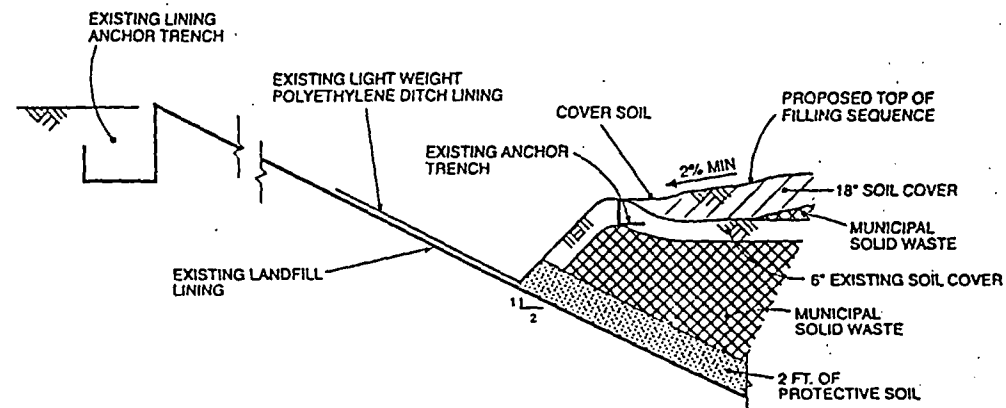
FIGURE 3
Scalehouse Gas Monitoring Points



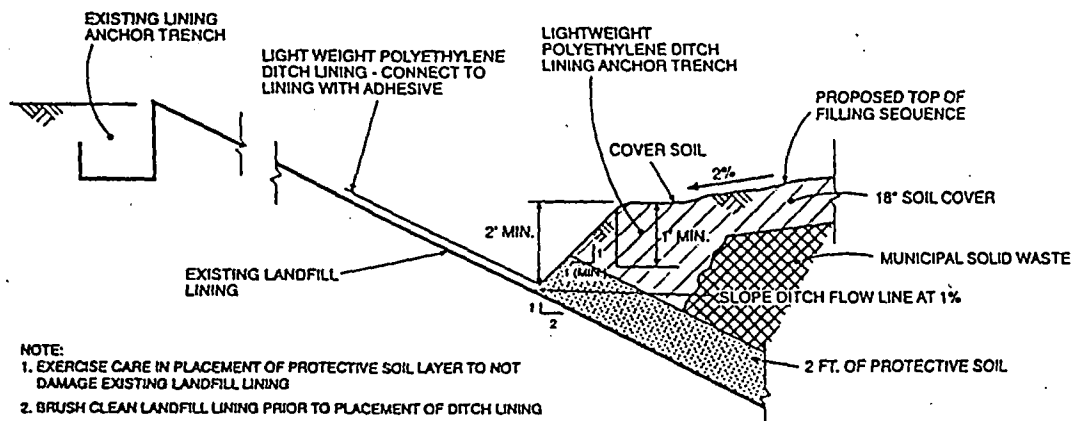


NOTE:
SEED AND MULCH ALL 4:1 SLOPES

DITCHES ON NORTHERN FACE
NTS

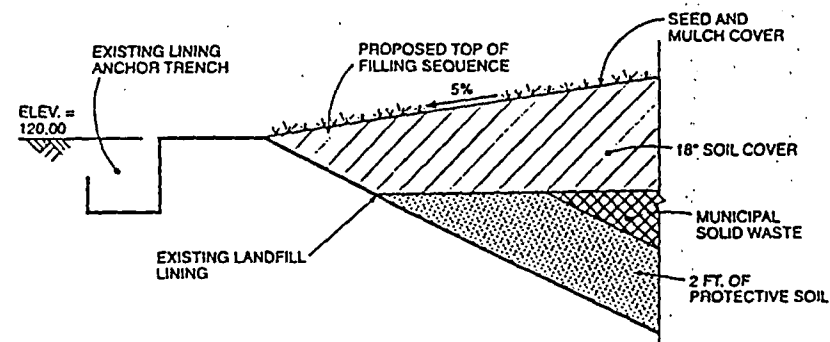


CONNECTION TO EXISTING LINED DITCH
NTS



NOTE:
1. EXERCISE CARE IN PLACEMENT OF PROTECTIVE SOIL LAYER TO NOT DAMAGE EXISTING LANDFILL LINING
2. BRUSH CLEAN LANDFILL LINING PRIOR TO PLACEMENT OF DITCH LINING
3. APPLY ADHESIVE BETWEEN LINING AND DITCH LINING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
4. DO NOT APPLY ADHESIVE IF LINING IS WET

NEW LINED DITCH
NTS

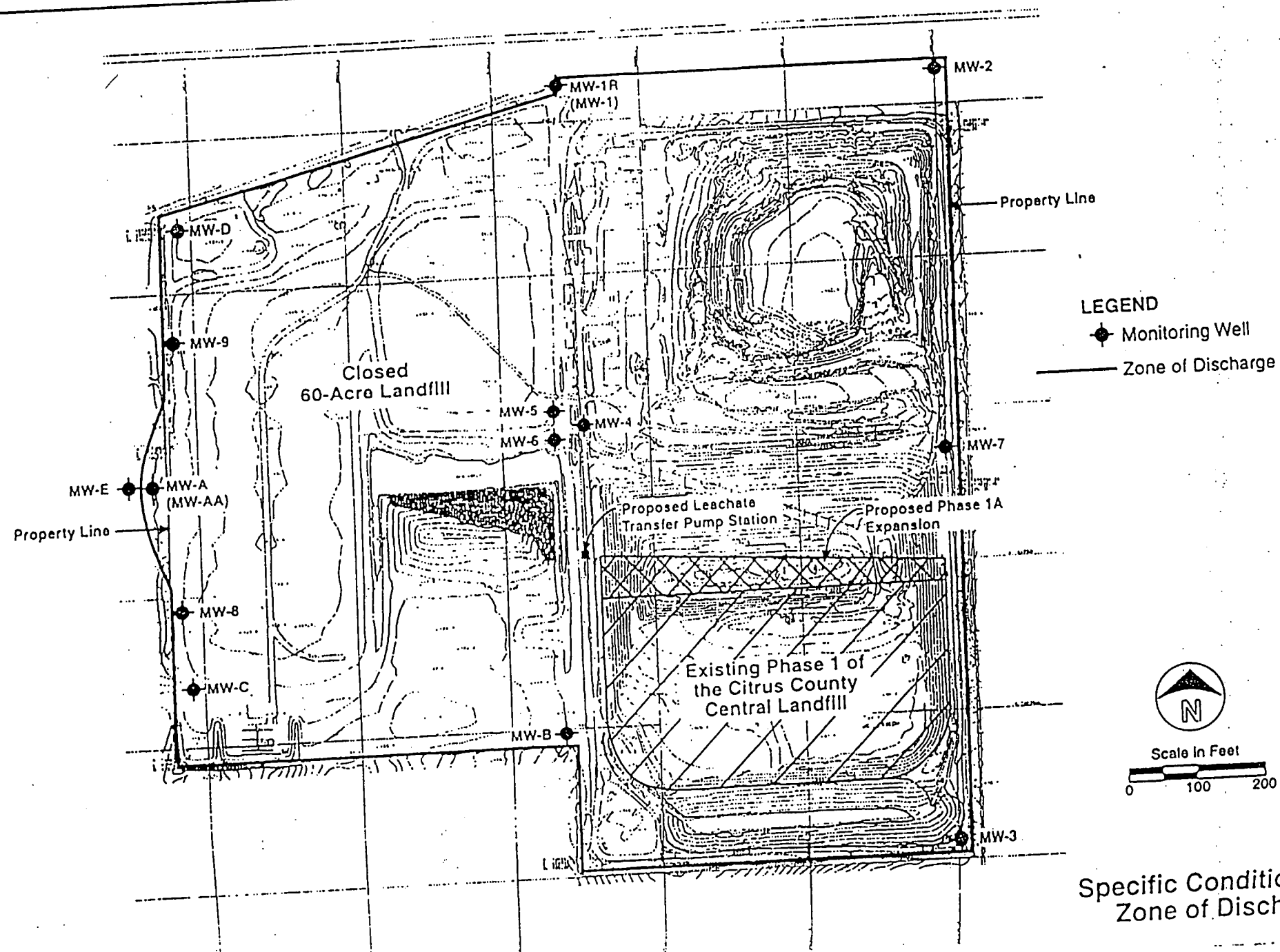


NOTE:
1. EXERCISE CARE IN PLACEMENT OF PROTECTIVE SOIL LAYER TO NOT DAMAGE EXISTING LANDFILL LINING
2. DO NOT ALLOW SOIL COVER TO MIX WITH UNDERLYING WASTE DURING PLACEMENT

EXISTING ANCHOR TRENCH DETAIL
NTS

Figure 11
Typical Sections





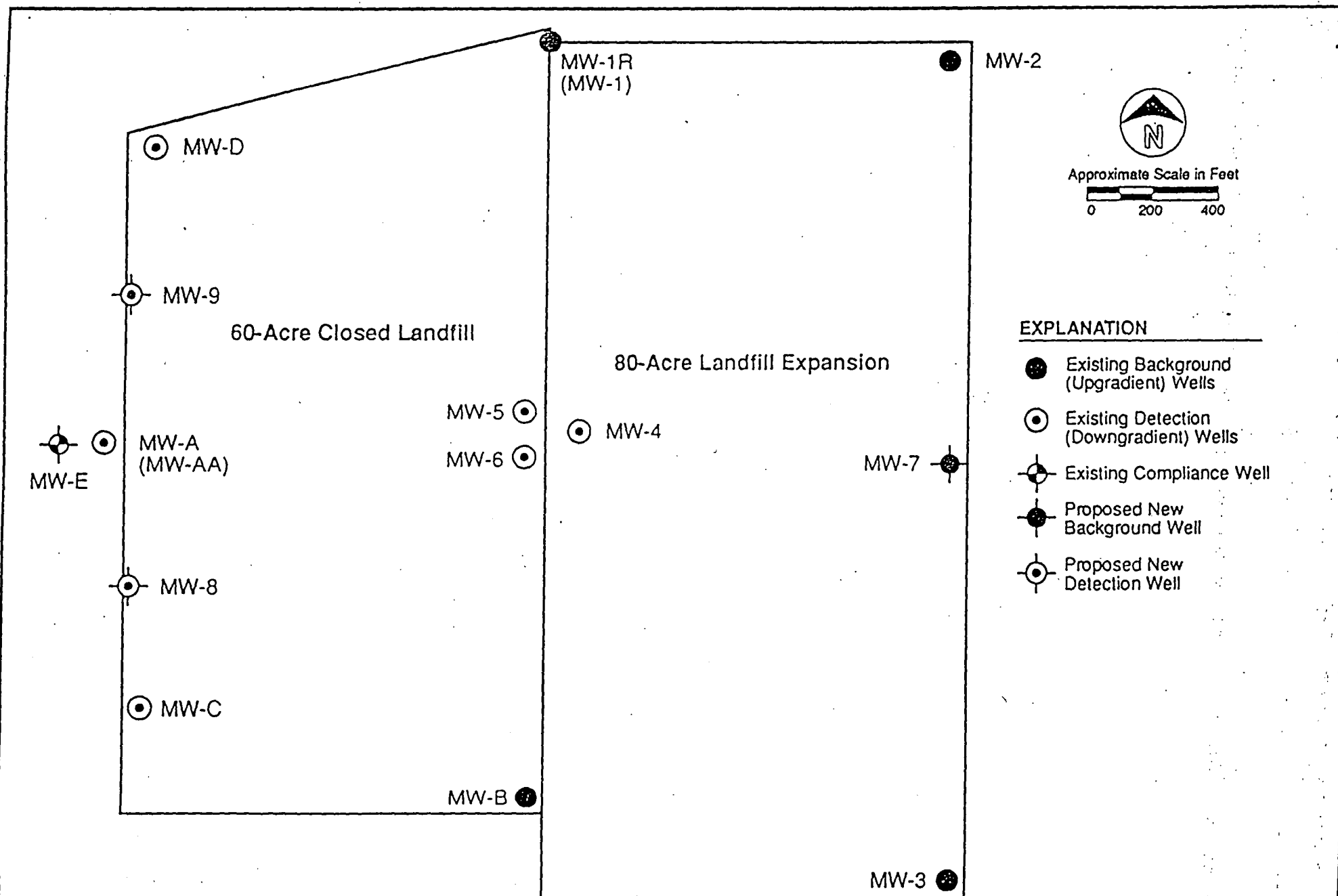


FIGURE 48
Proposed New Monitoring Wells

DEP Form # 62-522.900(2)
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

Ground Water Elevation (NGVD): _____

() Intermediate

() 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: _____ DEPTH OF SCREEN: _____ (bls)
(bls)

SCREEN LENGTH: _____ SCREEN SLOT SIZE: _____ SCREEN TYPE: _____

CASING DIAMETER: _____ CASING TYPE: _____

LENGTH OF CASING: _____ FILTER PACK MATERIAL: _____

TOP OF CASING ELEVATION (MSL): _____

GROUND SURFACE ELEVATION (MSL): _____

COMPLETION DATE: _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (MSL): _____

DATE AND TIME MEASURED: _____

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

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

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 11, 2002

NOTICE OF PERMIT

Citrus County
Board of County Commissioners
c/o Ms. Susan Metcalfe, P.G.
Solid Waste Management
P.O. Box 340
Lecanto, FL 34460

Dear Ms. Metcalfe:

Enclosed is a Permit Number 21375-003-SO, issued pursuant to Section(s) 403.087(1), Florida Statutes.

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, or may choose to pursue mediation as an alternative remedy under section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth below.

A person may 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 names, 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;

"More Protection, Less Process"

Printed on recycled paper.

Citrus County BCC

c/o Ms. Susan Metcalfe, P.G.

Page Two

Permit No.: 21375-003-SO

(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. 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 they will apply for challenging the agency action and electing remedies under those two statutes.

The petition for an administrative hearing must conform to the requirements of Chapters 62-110 and 28-106, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Failure to file a petition within fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-110, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

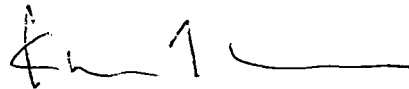
Citrus County BCC
c/o Ms. Susan Metcalfe, P.G.
Permit No.: 21375-003-SO

Page Three

When the Order (Permit or Permit Modification) is final, any party to the Department 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, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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

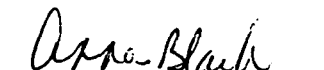
KBF/ab
Attachment

cc: David Keough, P.E., Jones, Edmunds & Associates
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 and all copies were mailed before the close of business on Jan 11, 2002 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

Jan 11, 2002
Date

Oracle Developer Forms Runtime - Web

Query Coll Rpts Rmd Exit CRA Window

Cash Receiving Application - Collection Point Log Remittance

Collection Point Log Remittance

AREA **SWD** Total **CRAF006A \$50.00**

Remittance **570367** Type **CP** Received Date **06/28/2004** Status **RECEIVED**

SYS\$RCPT **463226** PNR Check # **242216** Amount **50.00**

SSNIFE# Name **CITRUS CO BOCC**

First Middle Title Suf

Address1 **110 N. APOPKA AVENUE** Short Comments

Address2 **K-SW 21375-006**

City **INVERNESS** ST **FL** Zip **34450 4299** Country

PAYMENT (S)

Payment#	Distr	Object	Payment Amount	Reference#	Applicr	Fund *	Status
630590	SWD	002245 SOLID WASTE-OPE	\$50.00		PA	PFTF	COMPLETE

COMMIT FREQUENTLY **\$50.00** Payment total

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

start

Oracle Developer Forms Runtime - Web

Permits Events Payment Site Facility Party Ltr Help Exit Window

Permitting Application - Permit Detail and Log Permit

SITE Permit

Site Name **CITRUS CO CENTRAL SLF (LF1)** Site # **0021375**

County **CITRUS** Comments **N** RPAs **N** # Cases **0**

Project

Permit # Project # **006** Received **06/28/2004** CRA # **186790**

Permit Office **SWD (DISTRICT)** Agency Action **Pending**

Project Name **CITRUS CO. CENTRAL LF** Desc **time extension**

Type/Sub/Des **SO / TX TIME EXTENSION** COE #

Logged **06/29/2004** Issued Expires OGC

Fee **50.00** Fee Recd **50.00** Delc Override **NONE**

Related Party

Role **APPLICANT** Begin **06/29/2004** End

Name **METCALFE, SUSAN J.** Company **CITRUS COUNTY**

Address **PO BOX 340**

City **LECANTO** State **FL** Zip **34460** Country **U.S.A.**

Phone **352-527-7671** Fax Email

Processors

Processor **CORE_S** Active **06/29/2004** Inactive Events

Enter 'Y' if this is the PRIMARY processor.

start

Due : July 28, 2004

THIS DOCUMENT CONTAINS SECURITY FEATURES - SEE BACK FOR DETAILS

State of Florida
County Warrant

Citrus County Board of County Commissioners

110 N Apopka Avenue
Inverness, FL 34450-4299
(352) 341-6460

CITRUS COUNTY ACCOUNTS PAYABLE
MERCANTILE BANK 63-1377/831

242216

CHECK DATE
06/22/04

CHECK NO
242216

AMOUNT \$*****50.00*

PAY THE SUM OF FIFTY DOLLARS & ZERO CENTS

VOID AFTER 90 DAYS

TO THE FL DEPT OF ENVIRONMENTAL PROTECTIO
ORDER SOLID WASTE SECTION
OF 3804 COCONUT PALM DRIVE
TAMPA FL 33619

CHAIRMAN BOARD OF COUNTY COMMISSIONERS

CLEVER

CHECK NO 242216

FL DEPT OF ENVIRONMENTAL PROTECTIO VENDOR NO 6304

ACCOUNT	PURCH ORDER	INVOICE NUMBER	AMOUNT	DESCRIPTION
5212 54912		PRMT LNDFILL	50.00	C PRMT LNDFILL/EXTEND

6/22/04

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

A. GENERAL INFORMATION

1. Type of facility (check all that apply):

☒ Disposal

- | | |
|--|---|
| <input checked="" type="checkbox"/> 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 type="checkbox"/> Industrial Solid Waste |
| <input checked="" type="checkbox"/> Other Describe: <u>Yard Waste mulching and consumer goods recycling.</u> | |

☐ Non-Disposal

- | |
|--|
| <input type="checkbox"/> Incinerator For Non-biomedical Waste |
| <input type="checkbox"/> Waste to Energy Without Power Plant Certification |
| <input type="checkbox"/> Other Describe: _____ |

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;
Compost Facilities should apply on Form 62-701.900(10), FAC; and
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- | |
|--|
| <input checked="" type="checkbox"/> Construction |
| <input type="checkbox"/> Operation |
| <input type="checkbox"/> Construction/Operation |
| <input type="checkbox"/> Closure |

3. Classification of application:

- | | |
|---|--|
| <input checked="" type="checkbox"/> New | <input type="checkbox"/> Substantial Modification |
| <input type="checkbox"/> Renewal | <input type="checkbox"/> Intermediate Modification |
| | <input type="checkbox"/> Minor Modification |

4. Facility name: Citrus County Central Landfill

5. DEP ID number: 4009C00086 County: Citrus

6. Facility location (main entrance): State Road 44 between Lecanto and Inverness, Florida

7. Location coordinates:

Section: 1 Township: 19S Range: 18E
Latitude: 28 ° 51 ' 08 " Longitude: 82 ° 26 ' 16 "

*Confirmed
LAT 28°51'08"
LONG 82°26'16"
(on page 2 expansion)
1/22/03
FJSK*

Events Scheduled

5 of 90

Site # 0021375 Name CITRUS CO CENTRAL SLF (LF1)
Permit # 0021375-003-SO Type/Subtype SO / 01 Received 27-APR-2001
Project # 003 Name CITRUS CENTRAL LANDFILL

> ISSUE PERMIT: Issued

Event	Begin Date	Prd	Due Date	Rmn	Status	End Date
Awaiting Additional Information	17-AUG-2001	45	01-OCT-2001		Received	10-SEP-2001
Completeness Review	10-SEP-2001	30	10-OCT-2001		Incomplete	08-OCT-2001
RESET CLOCK	08-OCT-2001	1	09-OCT-2001		Done	08-OCT-2001
Awaiting Additional Information	08-OCT-2001	45	22-NOV-2001		Received	17-OCT-2001
Completeness Review	17-OCT-2001	30	16-NOV-2001		Complete	17-OCT-2001
Determine Agency Action	17-OCT-2001	90	15-JAN-2002		Issue	11-JAN-2002
Issue Final Permit	11-JAN-2002	14	25-JAN-2002		Issued	11-JAN-2002
ISSUE PERMIT	11-JAN-2002	1	12-JAN-2002		Issued	11-JAN-2002
STOP CLOCK	11-JAN-2002	1	12-JAN-2002		Done	11-JAN-2002
Publish Notice of Application	30-APR-2001	14	14-MAY-2001		Done	17-JUN-2001
Return Proof of Publication of Not	17-JUN-2001	21	08-JUL-2001		Received	25-JUN-2001

dep2 - KEA! 420

File Edit Transfer Options Connection Macro Window Help

Collection Point Log Remittance Tot: \$10,000.00

SYS\$REMT: 427976 Type: CP Recvd Date: 27-APR-2001 Status: RECEIVED
 SYS\$RCPI: 351522 INR: Check #: 179985 Amount: 10,000.00
 SSN/FE1#: Name: STATE OF FLORIDA-COUNTY WARRANT
 First: Middle: Title: Suf:
 Address1: 110 N APOPKA AVENUE Short Comments:
 Address2: MW-SO 21375-003
 City: INVERNESS ST: FL Zip: 34450-4299 Country:

> PAYMENT(S) <

Distr	CL	Object	Payment	Applic/	S
SYS\$PAYI	Area..	Code/Description.....	Amount.....	Reference#	Fund
454882	SWD	002245 SOLID WASTE-OPE	\$10,000.00	21375-003 PA	PFTF CO

COMMIT FREQUENTLY \$10,000.00 Payment total
 Press <TAB> to accept Collection Point or enter F&A.
 Count: *1 <Replace>
 1(004,028)

Start | Inbox - Mic... | dep2 - KEA... | Microsoft... | 1:01 PM

dep2 - KEA! 420

File Edit Transfer Options Connection Macro Window Help

Permitting Application

SITE Permit

Site Name: CITRUS CO CENTRAL SLF (LF1) Site #: 0021375
 County: CITRUS Comments: N RPAS: N # Cases: 0
 Project

Permit #: Project #:003 Received: 27-APR-2001 CRNA: 92261
 Permit Office: SWD (DISTRICT) Agency Action: Pending
 Project Name: CITRUS CENTRAL LANDFILL Desc:
 Type/Sub/Des: SO /01 SANI. LANDFILL CLASS I COE #:
 Logged: 30-APR-2001 Issued: Expires: OGC:
 Fee: 10000.00 Fee Recd: 10000.00 Dele: Override: NONE
 Related Party

Role: APPLICANT Begin: 30-APR-2001 End:
 Name: METCALFE, SUSAN J. Company: CITRUS COUNTY
 Addr: PO BOX 340
 City: LECANTO State: FL Zip: 34460 Country: U.S.A.
 Phone: 352-746-5000 Fax:
 Processors
 Processor: FORD_K Active: 30-APR-2001 Inactive:

Enter Project Name.
 Count: 1 <Replace>

Inbox - Mic... | dep2 - KEA... | Microsoft... | 1:03 PM

*Citrus of permit***Pelz, Susan**

From: Vazquez, Pamala
Sent: Wednesday, October 05, 2005 8:17 AM
To: Pelz, Susan; Getzoff, Deborah
Subject: another citrus article

County can use landfill addition

A state permit allows the county to begin dumping trash at the 6-acre cell that was completed four months ago.

By CATHERINE E. SHOICHET
Published October 5, 2005

LECANTO - The state Department of Environmental Protection has issued a permit allowing the county to begin storing trash in a new cell at the Central Landfill.

Solid Waste division director Susie Metcalfe said Tuesday that the county plans to start filling the new cell sometime this week. Once the new cell is in use, it will take 10 years to fill, she said.

The DEP issued the permit on Friday, spokeswoman Pamala Vazquez said. It will expire on Sept. 30, 2010.

Last week, Metcalfe said the 19-acre cell where dump trucks have deposited more than 100,000 tons of garbage a year since 1990 was 99.5 percent full.

Crews completed construction of the new 6-acre cell four months ago, she said, but the permitting process was held up by a DEP mandate that the county install groundwater monitoring wells to test for pollution outside the landfill's borders.

DEP officials said the wells are needed because testing has revealed methane and chemicals leaking from old buried trash cells at the landfill.

On Sept. 20, the county entered into a consent agreement with DEP, agreeing to install the monitoring wells within 90 days.

"Because we ventured into a consent agreement with them, we feel confident in allowing the permit to go forward for this new cell to be used," Vazquez said Tuesday.

To build the wells, the county needs access to 55 acres of land around the landfill's perimeter owned by the Division of Forestry as part of the Withlacoochee State Forest.

Forestry officials originally wanted to swap that property with 60 acres of county-owned property on the south side of the Withlacoochee State Forest. But county officials have said that property is tied up in other negotiations with the state.

Metcalfe said Tuesday that the county's negotiations with forestry officials were continuing. The county has proposed offering less land, she said, but more services in exchange for a lease of the property surrounding the landfill.

On Friday, state Rep. Charles Dean, R-Inverness, wrote a letter to Division of Forestry director Michael Long criticizing "indecision" by forestry officials in negotiations.

"Please intervene and resolve the right of entry and access on forest lands where the county can comply with edicts from the Department of Environmental Protection," he wrote. "I am confident that the county will work in

10/5/2005

every way possible to facilitate an equitable land exchange."

Assistant forest management chief Steve Bohl said Friday that forestry officials were only recently informed of the county's need to access land surrounding the landfill.

"We're going to try to work this thing out with them," he said.

Garbage piles up as county wades through red tape

By Terry Witt

County landfill officials have made progress in breaking a permitting logjam that has forced them to pile garbage higher and higher in a disposal cell that should have been closed this summer, but red tape continues to be a problem.

The Florida Department of Environmental Protection has inspected and approved the newly constructed lined disposal cell and has sent the county the first draft an operating permit the county needs to begin using the cell.

However, the pile of garbage in the old cell has risen to 50 feet above ground level, and the county could run out of disposal space in as little as two weeks.

"The clock is ticking, and I can't do anything," said Susie Metcalfe, county solid waste division director.

The permitting problems began when tests at the landfill showed methane and chemicals were leaking from two of the closed disposal cells. The county was in the process of obtaining a new operating permit and a permit for the new cell when DEP intervened. The agency ordered the county to install additional monitoring wells to determine if the pollution was spreading outside the landfill boundaries.

A state consent order was signed on Sept. 21 giving the county 90 days to install the wells, but the county must cross a big hurdle before the wells can be constructed.

The county needs permission from the Florida Division of Forestry to install the wells in the Withlacoochee State Forest, which surrounds the landfill on three sides.

But Division of Forestry officials have asked the county to trade 58 acres of land it owns adjoining the southeast part of the forest in exchange for giving the county a sublease to install the wells. The sublease has stalled on that issue.

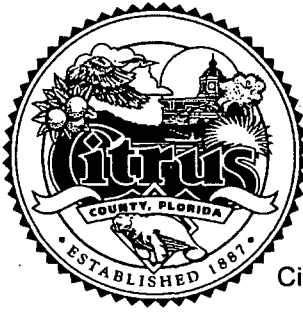
The county says the 58 acres is already promised to the state for an unrelated land swap that has been in the works for a year.

Brad Thorpe, director of community services, said the Division of State Lands has been working with the county on swapping two pieces of state-owned property near Inverness for the 58 acres the county land. He said the state and county are in the process of obtaining appraisals on the three parcels.

The county wants to use the two state parcels — a 30.78 acre tract near Lowe's off State Road 44 and a 39.78 acre parcel in the middle of the Deerwood community — for passive recreational parks.

"We started these negotiations a year ago at the Division of Forestry headquarters in Brooksville," Thorpe said. "I don't know if one part of the Division of Forestry is not communicating with another."

A state official said late Wednesday she was aware of the proposed land swap involving the two parcels for the 58-acre county tract, but knew nothing about the monitoring wells issue. She said she would check into it.



Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

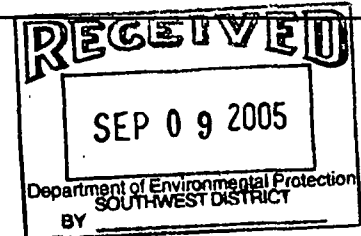
TDD Telephone: (352) 527-5303

Citrus Springs/Dunnellon/Ingles/Yankeetown area Toll Free (352) 489-2120

Op Permit

September 6, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Pending Permit No. 21375-008-SO/01

Ms. Pelz:

We are rapidly approaching the point at which the County will need to use the newly constructed space provided by the Phase 2 cell. We project that the approved space above Phase 1/1A will be consumed by the end of September if it is used exclusively during the intervening month. Only part of the incoming material is suitable for placing in the bottom of the new fill space. Therefore, even after we start using Phase 2, a significant part of the incoming material will have to be diverted to Phase 1/1A, for which we must save space. September is the height of hurricane season and we can expect to receive heavy rains from some storms, tropical or not, which will render the new fill space less than desirable, requiring diversion to Phase 1/1A. We have some material that was placed outside the currently approved configuration on the east end of Phase 1/1A during the period before your acceptance of use of that space in July. We need to save some space in Phase 1/1A for relocation of this material. After taking into account each of these needs to reserve space in Phase 1/1A, we believe that we need to begin placing waste in Phase 2 space now.

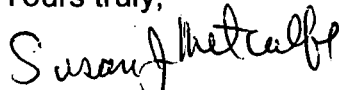
We have not yet heard what the timetable is for implementing the sublease agreement, which is still a prerequisite from Forestry and State Lands for us to gain access to perform the tasks agreed to in the consent agreement between the County and FDEP. We first saw the terms proposed by Forestry last week and find one of those items will need to be negotiated. The County is currently searching for a parcel or parcels of land large enough and in an appropriate location to use as a land swap. Therefore it is unlikely that the sublease documents can be approved by the BOCC before we entirely run out of fill space in 1/1A and it is a certainty that this process will not be completed before we need to start using Phase 2.

Our ideal scenario would be for 1) FDEP to approve the construction and operation of Phase 2 immediately; 2) Forestry to allow access for investigation immediately and continue working with the County on processing the sublease agreement; and 3) County to proceed with the gas and groundwater investigation and filling in Phase 2 without the risk of up to \$10,000 per day fines.

Susan Pelz
September 6, 2005
Page 2

Please provide any advice you might have to resolving this dilemma; keeping the County in compliance with FDEP rules and consent agreement while satisfying the requirements of the Forestry and State Lands managers and custodians of the area we need to access to complete the consent agreement activities. The citizens of Citrus County who will foot the bill for all of this are also citizens and taxpayers of the State. We're looking forward to finding a beneficial and cost effective outcome for those folks.

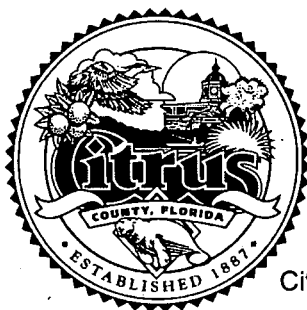
Yours truly,

A handwritten signature in black ink, appearing to read "Susan J. Metcalfe", written in a cursive style.

Susan J. Metcalfe
Director

CC: Tom Dick, Interim Director, Public Works Department

21375
permit



Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

TDD Telephone: (352) 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

August 17, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill
Permit No. 21375-003-SO

Dear Ms. Pelz:

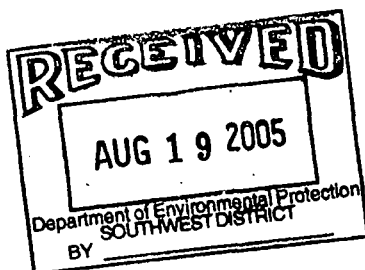
On Tuesday August 16, we had a fire inside a rolloff box located in the citizen service area. The attached report provides details of the incident. During the half-hour period that the fire was being extinguished, self-haulers were not allowed to enter one section of the citizen service area (yellow wall). Approximately 400 gallons of water were used during fire-fighting operations. The load was transferred to the disposal area near the end of the business day.

Firefighters reported that the damage was most severe to a mattress and carpeting. The ignition source was an unknown source from a residential customer.

Yours truly,

Susan Metcalfe
Director

CC: Tom Dick, Assistant Director, Public Works Department
Solid Waste Management staff



CITRUS COUNTY CLAIM REPORT

Important

This form is to be completed for ALL incidents by respective parties.
County Property Damage in excess of \$2,500 and all third party damage claims must be submitted to Risk Management within 48 hours of incident.
First Party Incident only Reports and First Party Property Damage under \$2,500 are to be retained by Division and entered into claim tracking log.

Copy

Fleet and Maintenance Operations require a copy of incident report before repair.



=Mandatory-Photographs Required

USE INK OR TYPE

USE INK OR TYPE

TYPE CODE (Must Check One)				ACTION (Must Check One)			
<input type="checkbox"/>		(1) Vehicle Accident/Incident	Copy	<input checked="" type="checkbox"/>		NO ACTION – INCIDENT ONLY	
<input type="checkbox"/>		(2) Third Party Property Damage	Copy	<input type="checkbox"/>		CLAIM – INVOICE TO FOLLOW (within 10 Days)	
<input type="checkbox"/>		(3) Third Party Bodily Injury		<input type="checkbox"/>		CLAIM – INVOICE ATTACHED	
<input checked="" type="checkbox"/>		(4) Other		<input type="checkbox"/>		POLICE REPORT TO FOLLOW (within 10 Days)	
<input type="checkbox"/>		County Property Damage over \$2,500 (First Party)	Copy	<input type="checkbox"/>		POLICE REPORT ATTACHED	

Note: First Party Property Damage in excess of \$2,500 required three (3) estimates.

Incident Date:	8/16/05	Date Rec'd		Time:	15:50	Risk Rec'd	
Employee Name:	Carmen Bruno			Employee ID #	4616	Dept-Division	DPW / SWM
Location:	Citizen service area (CSA) yellow wall			County Vehicle # (if applicable)	N/A		
<u>Incident Description:</u>	At appoximately 15:50 hours, the landfill spotter stationed in the CSA reported a fire in a roll-off box at the yellow wall. The front office called 911. The fire appeared to be isolated to a mattress and some carpeting in the roll-off box. (Continued on next page)						

LAW ENFORCEMENT INFORMATION (if applicable)

Name of Law Enforcement Agency:

Note: Copy of police report must be provided to Risk Management Office within 10 days of incident or notification otherwise.

Non County Property Damage and/or Bodily Injury

<input type="checkbox"/> THIRD PARTY PROPERTY DAMAGE				<input type="checkbox"/> THIRD PARTY BODILY INJURY			
Name:				Name:			
Address:				Address:			
State:		Zip:		State:		Zip:	
Telephone #:				Telephone #:			
Type of Damage:				Date of Birth:			
				Type of Injury:			
Insurance Info:				Medical Treatment:		<input type="checkbox"/> Yes <input type="checkbox"/> No	
				If yes, treating physician and phone number			

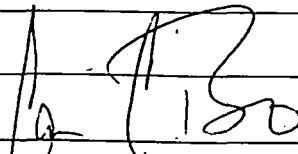
WITNESS INFORMATION

	Name:	
	Address:	
	Telephone #:	
2)	Name:	
	Address:	
	Telephone #:	
3)	Name:	
	Address:	
	Telephone #:	

MISCELLANEOUS COMMENTS

Landfill staff secured the area from customers and attempted to extinguish the fire using hand-held foam and dry chemical extinguishers. By this time, Citrus County Fire rescue (engine 103) arrived on scene. The fire department knocked down the fire with approximately 200 gallons of water from their truck. The container was then relocated to an area adjacent to the working face and bladed out by the landfill loader. The fire department completed the overhaul of the fire using the landfill's water wagon with approximately 200 gallons of water. The load in question was compacted and covered in place.

☐ Continued on separate sheet (attached)

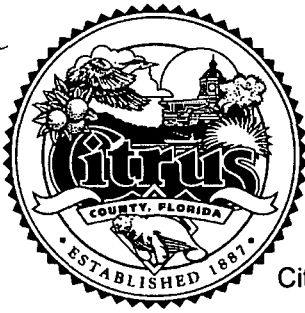

 Employee Signature
 Susan J. Maloney
 Division Director's Signature
 Date 8/17/05

Supervisor Signature _____ Date _____
 Department Director's Signature _____ Date _____

FYI – INCIDENT ONLY – NO ACTION must be signed by Division Director AND Department Director

COMPLETE AS APPLICABLE:





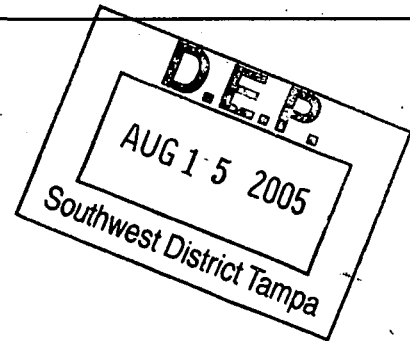
Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

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TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Ingles/Yankeetown area Toll Free (352) 489-2120

Waste Fee

August 11, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Permit No. 21375-003-SO

Dear Ms. Pelz:

On Monday August 8, we had a fire inside the scrap metal rolloff box which was being loaded for shipment. The attached report provides details of the incident. During the one-hour period that the fire was being extinguished, self-haulers were not allowed to enter the citizen service area. Approximately 1,000 gallons of water were used during fire-fighting operations.

Firefighters reported that the damage was most severe to a lawn mower. We deduce from this that it was the ignition source and part of the fuel supply. We regularly question customers about mowers and other items with gasoline engines to determine that the batteries, gas and oil have been removed. We are redoubling this effort and will refuse to accept any such items until that condition exists.

Yours truly,

Susan Metcalfe
Director

CC: Tom Dick, Assistant Director, Public Works Department
Solid Waste Management staff

SOLID WASTE ROUTING

Danielle Nichols - *last, COMET, file* ☒ *8/17/05*
Vacant PE ☐
Steve Morgan *8/18/05* ☒
John Morris *8/17/05* ☒
Lora Ross *8/17/05* ☒
Stephanie Petro ☒

FILE ☐

DEPOSITION AFTER REVIEW

SUSAN PELE

☐

8/17/05



CITRUS COUNTY CLAIM REPORT

Important

This form is to be completed for ALL incidents by respective parties.

County Property Damage in excess of \$2,500 and all third party damage claims must be submitted to Risk Management within 48 hours of incident.

First Party Incident only Reports and First Party Property Damage under \$2,500 are to be retained by Division and entered into claim tracking log.

Copy

Fleet and Maintenance Operations require a copy of incident report before repair.



=Mandatory-Photographs Required

USE INK OR TYPE

USE INK OR TYPE

TYPE CODE (Must Check One)			
<input type="checkbox"/>		(1) Vehicle Accident/Incident	Copy
<input type="checkbox"/>		(2) Third Party Property Damage	Copy
<input type="checkbox"/>		(3) Third Party Bodily Injury	
<input checked="" type="checkbox"/>		(4) Other	
<input type="checkbox"/>		County Property Damage over \$2,500 (First Party)	Copy

ACTION (Must Check One)		
<input checked="" type="checkbox"/>		NO ACTION – INCIDENT ONLY
<input type="checkbox"/>		CLAIM – INVOICE TO FOLLOW (within 10 Days)
<input type="checkbox"/>		CLAIM – INVOICE ATTACHED
<input type="checkbox"/>		POLICE REPORT TO FOLLOW (within 10 Days)
<input type="checkbox"/>		POLICE REPORT ATTACHED

Note: First Party Property Damage in excess of \$2,500 required three (3) estimates.

Incident Date:	8/8/2005	Date Rec'd		Time:	8:00 AM	Risk Rec'd	
Employee Name:	Frank Damiano			Employee ID #	4508	Dept. Division	DPW/SWM
Location:	Scrap Metal container loading area at the Landfill			County Vehicle # (if applicable)	N/A		
Incident Description:	At approximately 7:55 AM while I was loading the scrap metal container, smoke began coming out of the container. I saw flames and then backed away. I called 911 from my cell phone and then notified the Acting Director, Prime DeVaughn. I then notified the scalehouse to not let the public in until they were told that it was safe to do so. Fire Department responded, put out the fire and left the site at approximately 9:10 AM.						

LAW ENFORCEMENT INFORMATION (if applicable)

Name of Law Enforcement Agency:

Note: Copy of police report must be provided to Risk Management Office within 10 days of incident or notification otherwise.

Non County Property Damage and/or Bodily Injury

<input type="checkbox"/> THIRD PARTY PROPERTY DAMAGE				<input type="checkbox"/> THIRD PARTY BODILY INJURY			
Name:				Name:			
Address:				Address:			
State:		Zip:		State:		Zip:	
Telephone #:				Telephone #:			
Type of Damage:				Date of Birth:			
				Type of Injury:			

Medical Treatment

☐ Yes

☐ No

If yes, treating physician and phone number

WITNESS INFORMATION

1)

Name:

Address:

Telephone #:

2)

Name:

Address:

Telephone #:

3)

Name:

Address:

Telephone #:

MISCELLANEOUS COMMENTS

Information from fire fighters indicates that the fire probably started with a lawn mower, based on worst damage. According to scrap metal recycler, if a battery is left in a lawnmower, it can start out when loaded / crashed. Possible fuel sources are minor amounts of gasoline from mower & plastic ^{room} parts in appliances, particularly refrigerators. Suggest we do more thorough screening of incoming mowers.

☐ Continued on separate sheet (attached)

Employee Signature

Date

Supervisor Signature

Date

Division Director's Signature

Date

Department Director's Signature

Date

FYI - INCIDENT ONLY - NO ACTION must be signed by Division Director AND Department Director

COMPLETE AS APPLICABLE:

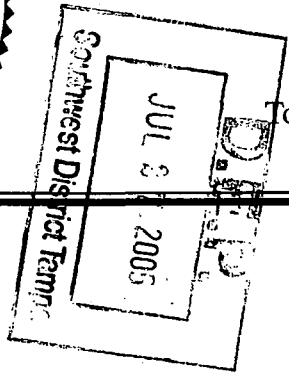
Buel K / Susan P.
Citrus Op.
Permit



BOARD OF COUNTY COMMISSIONERS

EXECUTIVE OFFICES

110 North Apopka Avenue, Inverness, Florida 34450
(352) 341-6560 Fax (352) 341-6584
Toll Free from Citrus Springs/Dunnellon (352) 489-2120
Website: www.bocc.citrus.fl.us



July 25, 2005

Deborah A. Getzoff
District Director, Southwest District
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Re: Permit Renewal at Citrus County Landfill

Dear Deborah:

I would like to thank you and your staff for attending our meeting on July 7 in Tampa and for the amicable solution that resulted from this meeting on our landfill issue.

I very much appreciate the cooperation of the Florida Department of Environmental Protection, your staff and yourself.

Sincerely,

Gary Bartell
Commissioner, District 2

cc: Richard Wm. Wesch, Esq., County Administrator

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 7/13/05 Subject Citrus Cent
Time 1230-225pm Permit No. _____
County _____
M Susie Metcalfe Telephone No. 352-527-7671
Representing _____

☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting John Bankes (SCS)

Steve Mangum (FDEP)

Summary of Conversation/Meeting

- discussed gas remediation plan → submittal 7/5/05 is OK
- discussed info needed for Op Permit re: gas
 - new figure, revise text
- discussed vertical exp over Phase 1/1A
 - long slope on west, no terraces, only interim will submit mod' to revise sequence draw & drainage by end of October
 - we will put condition in permit
- discussed Cent of Phase 2
 - some items will just be comments in letter
 - need pipe calcs for 8" SDR11 LCS pipe
 - need daily reports 6/30 - 11/15/04
 - need interface friction test results for gas/soil
 - need revised gm repair logs
 - need calcs to show LCS pipes will drain based on 156 ft elevations & expected settlement

(continue on another sheet, if necessary)

Signature _____
Title _____

PA-01
1/96
pap

[Signature]
Steve Mangum

Citrus Op
permit

Pelz, Susan

From: Pelz, Susan
Sent: Thursday, July 07, 2005 8:16 AM
To: Morris, John R.; Morgan, Steve; Petro, Stephanie
Subject: FW: meeting summaries 7/1/05



meeting 070105
nmary 070105.forestry mtg.doc

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, July 06, 2005 4:15 PM
To: Ken Frink; Thomas Dick; steven.morgan@dep.state.fl.us; Pelz, Susan; mouselk@doacs.state.fl.us; jlocklear@jea.net; jbanks@scsengineers.com
Subject: meeting summaries 7/1/05

Attached are my meeting summaries related to landfill permitting, groundwater and gas issues.

Tracking:	Recipient	Read
	Morris, John R.	Read: 7/7/2005 9:40 AM
	Morgan, Steve	Read: 7/7/2005 8:53 AM
	Petro, Stephanie	Read: 7/7/2005 8:17 AM

CONSTRUCTION CERTIFICATION INSPECTION AND MEETING
CITRUS COUNTY CENTRAL LANDFILL, PHASE 2
July 1, 2004

Attendees:

Citrus County – Susan Metcalfe, Ken Frink, Tom Dick
SCS Engineers – John Banks
FDEP - Susan Pelz, Steve Morgan, Danielle Nichols

Field Inspection of Phase 2 facilities

- Secondary leachate pump production? SM will report
- Cover sand deployment and access ramp
- Stormwater management on access road
- Leachate line discharge conversion from stormwater when waste is received – SM document disabling of discharge to perimeter ditch
- Liner testing and repair in progress
 - Failed test, contractor repaired with cut/cap/fusion weld
 - Prefer this be called a “mini-panel” not “cap strip”
 - Contractor did not perform “end test”, took sample June 30
 - SCS prepare revised/amended report on test results, panel layout
 - Comanco should revise drawings, correct and clarify symbols
- Leachate pipe – SDR 17(used for permit calculation) vs. 15.5 (stronger material- but not available vs. 11 (stronger still and available) factor of safety for riser pipe is 1.7 using SDR 17.
- As-built survey
 - Subgrade = bottom only.
 - Subbase = top of clay for bottom and sand (subgrade) side slopes
 - Final = top of liner set, not protective sand and not leachate collection line , SP concerns that the line will drain, SCS will get survey points and respond
- Anchor trench “shift”, SCS will produce revised detail

Time to resubmit – Tuesday if all tests/ information are received.

Phase 2 permit issues/items other than above

Financial assurance report - need one year at maximum leachate flow included in closing costs section at offsite treatment cost level. LTC costs can be 30-year average flow. SCS to revise submittal. County can use local WW plant quote to revise costs at a later date.

Financial assurance funding – Tampa office reviews/approves cost estimates, Tallahassee office reviews funding sufficiency. County send escrow balance information and funding split to Tallahassee. Funding for closing and one year LTC must be in place before Phase 2 can be used.

Permit issuance timing – after all updated items for construction are received, reviewed, approved, no delay in issuing permit – EXCEPT groundwater and gas issue actions must be resolved.

Operating permit time is automatically extended, application was timely. Space extension cannot be approved without resolving other issues.

Vertical expansion over Phase 1/1A might be technically feasible, and might be requested/allowed as an emergency. FDEP staff would need drawing of proposed fill configuration and slope stability calculations for worst case for technical review.

Phase 2 cannot be added to permit administratively without resolving GW and gas issues. Phase 2 area might be technically the best space to use. Approval for vertical expansion over Phase 1 and 1A or use of Phase 2 are equal in terms of administrative requirements, but using Phase 2 is clearly preferable from a technical standpoint. Timing of running out of permitted space – about 1-2 weeks (based on recent fill calculations) not a full survey.

Maximum daily fine for placing waste in an unpermitted area = \$10,000.

Groundwater and Gas Issues Impact on Permit

Consent Order is the administrative mechanism to remove time crunch for gas and groundwater, permit cannot be issued with outstanding violations unaddressed.

Alternate title and language = consent agreement. Section where respondent admits can be modified to “neither admits nor denies”. Penalties section not decided yet. Using “model” language avoids delays of OGC review (2 weeks minimum vs. 30 days minimum after agreement on technical items). Language on website for PCAP/PCAR is obsolete and will be replaced by 62-780 compliance actions.

FDEP staff/ County staff/ consultant staff discussions on technical issues results:

If rapid approval of extended lease is available, gas compliance might be achieved, however proposal for gas must list installing investigational probes, designing and installing exterior venting system as “Plan A”. Expanded lease can be Plan B. If lease is in place and compliance is achieved in new area without vents, installation can be delayed.

Groundwater compliance will not be achieved with expanded lease. Implementation of 62-780 actions must begin immediately. First step is to install additional wells at a maximum of 100 feet from edge of waste, with screen section bracketing the seasonal water fluctuation. Sample for all parameters listed in 62-777 Table 1 to start. If any “hits” are detected, install additional wells (1 deeper and 1 farther down gradient for each well in the plume) Sample additional wells and repeat until plume of non-compliant groundwater is defined. Parameter list may be shortened after plume is defined. Conduct risk assessment for receptors and parameters involved. Propose controls (institutional or engineering) to meet rule requirements.

If rapid approval of lease is not feasible, permission for investigations listed above must be obtained ASAP.

Finalizing agreement requires submittal of proposed actions by County/consultants, review by FDEP staff, issuance of proposed language by FDEP, review and execution by BOCC and execution by FDEP. Probable minimum 3 weeks. SCS to revise operations plan to the originally submitted monitoring plan and the Action Plan for venting shall be made into a separate submittal. JEA to revise groundwater monitoring plan to include agreed Action Plan.

MEETING SUMMARY
FORESTRY AND COUNTY – LEASE EXPANSION
JULY 1, 2005

Attendees: Susie Metcalfe – County
Keith Mousel – Forestry

Summary of requirements from FDEP for landfill permit

Install gas probes to determine extent of offsite gas – east and possibly south of 80-acre active landfill parcel, all expected to be less than 300 feet from boundary.

Install gas vents on landfill property near boundary to control gas migration

Install groundwater monitoring wells west and possibly south of closed 60-acre landfill parcel, first set would be 100 feet from boundary; additional wells would be deeper along same alignment and farther out.

After defining the extent of groundwater noncompliance, evaluate risk to any receptors and propose controls, either institutional (limit use, provide alternate source) or engineering (pump & treat would be worst case)

Request to extend lease to 300 feet from existing property lines west and south of sublease 3116-5 and 300 feet and continuing to surround the current landfill property on the south and east sides. This should provide sufficient space for all investigations and remedial actions.

Procedure to formally request – Provide a legal description and drawing of the proposed lease expansion; provide a narrative of the proposed activities, timing, location, and regulatory constraints from FDEP, with a cover letter to Keith. Forestry will review, and if OK, forward to State Lands to process paperwork for lease expansion. May require additional meetings, clarification and revised submittal. Consultant phone conversations with State Lands indicated that about 2 weeks after “approvable” proposal is received, they can complete paperwork. Three copies of all information.

Discussion items included:

Degree of flexibility in well location for investigation purposes;

Forestry's 10-year plan for “no more landfills” on forest land;

Fencing and well protection options;

Space needed for “worst case” remedial action;

Degree of underbrush or tree clearing needed;

Maintenance and fire fighting activities;

Eagle's nest protection zone, especially February through April;

Could request be implemented incrementally rather than 300 feet from all boundaries all at once?

What if lease is not approvable as requested? – Short turn-around Memorandum of Understanding between Forestry and County for investigation purposes.

Pelz, Susan

From: Pelz, Susan
Sent: Thursday, July 07, 2005 7:23 AM
To: Getzoff, Deborah
Cc: Morris, John R.; Petro, Stephanie
Subject: FW: Proposed agenda for 7/7/05



PROPOSED
IDA for 070905.
fyi

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, July 06, 2005 3:14 PM
To: Pelz, Susan
Subject: Proposed agenda for 7/7/05

As requested, our proposed topics of discussion for tomorrow.

Tracking:	Recipient	Read
	Getzoff, Deborah	Read: 7/7/2005 10:24 AM
	Morris, John R.	Read: 7/7/2005 8:12 AM
	Petro, Stephanie	Read: 7/7/2005 7:48 AM

PROPOSED AGENDA
CITRUS COUNTY/FDEP MEETING
JULY 7, 2005

Landfill Operating Permit Conditions or Consent Agreement Options

Status of Fill Space and Waste Disposal Options

Technical Issues

Groundwater

Gas

Expanded Zone of Discharge

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, June 27, 2005 3:22 PM
To: Pelz, Susan
Subject: LF status

We were able to open to self-haul customers by about 1 p.m. Fire extinguished. Yard waste pile cool and wet.

Morris, John R.

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, May 16, 2005 2:01 PM
To: steven.morgan@dep.state.fl.us; Pelz, Susan; John Morris <john.r.morris@dep.state.fl.us
Cc: jlocklear@jea.net; jbanks@scsengineers.com
Subject: Meeting summary and proposed tel con



MEETING SUMMARY
051105.doc

Susan, John and Steve,

Thanks for meeting with us last week concerning the pending operating permit application for the Citrus County Central Landfill and submittals related to RAI #1. I have attached a summary of that meeting. Please review and let us know if that summary meets with your understanding of the content of the meeting. (Note: the proposed agenda and attendees list are not attached.)

We would like to update that discussion with a telephone conference on Thursday May 19th in the morning. I understand that your team should be available during that period. The County and our consultants, SCS Engineers and Jones, Edmunds & Associates will all be available. Our best time begins at 8:30. Please confirm your availability and time preference. We will call you.

Thanks.
Susie Metcalfe

Susan Metcalfe, Director
Citrus County Solid Waste Management Division
P.O. Box 340
Lecanto, FL 34460

352-527-7670 phone
352-527-7672 fax

MEETING SUMMARY
MAY 11, 2005
FDEP - CITRUS COUNTY LANDFILL
OPERATING PERMIT RENEWAL

Attendees List Attached

Proposed Agenda Attached.

Additional items

Storm debris site closeout inspection

Landfill inspection comments

Storm debris site inspection

S. Pelz will review and respond, no soil sampling will be required

Landfill inspection comments

Will be addressed in letter response

Operating permit copy was in S. Metcalfe office for update/review

Spotter not at working face was not the norm.

Result of combination of fuel truck failure, bad weather, short staffing and inexperience of compactor operator/spotter

Spotter on the ground issue will be addressed in supplemental response to RAI-1

County has issues with spotter on the ground safety and defends effectiveness of spotter in equipment.

Long-range landfill plan

BOCC direction to develop transfer station before Phase 2 disposal capacity is filled, probable timetable is less than three years to operation. Will keep LF open at low use until closure funds are accumulated

Questions on impacts on current and future permitting

Pending permit, proceed "as is"

Transfer station will require separate waste processing facility construction and operation permits

Landfill permit (&/or other permits) will need to be modified for sequence of filling, citizen service area, tires, yard waste, closure items

Financial assurance will change

Stormwater management system modifications

Perimeter ditches as containment for first 1/2-inch with weir causes side slope seeps,

County proposes bleed-down at least until waste is placed up to grade.

South DRA needs emergency spillway for extreme high rainfall conditions

Will require letter agreement with recipient property owner and evaluation of surface water or wetlands impact (none)

Process modification as standard general permit to FDEP (\$700 fee)

County to update FDEP on SWFWMD permit requirements, actions for 1997 (Phase 1A) expansion and expected Phase 2 actions
SWFWMD referred this modification to FDEP
Original permit was SWFWMD 1989 for concept of full site use for landfill
Transfer station will change concept and require new permit

Operating Permit Issues - RAI responses

Landfill gas

Expansion of lease property will provide compliance, but not control
Lease timing (1 yr.) for expanded property is problem for permit; cannot issue permit while noncompliant condition exists, even if new probes are in and show gas OK.
FDEP wants supplemental submittal with description of corrective measures to control gas, including triggers & timetable before deadline for their next comment.
If County can't get lease in time for permit issuance, consent agreement could be issued along with permit with requirements to follow proposed actions to control gas.

Groundwater

Site conditions complicate rule application and compliance situation
Surficial aquifer vs. Floridan gives different distances and ZOD requirements
Suggest County review existing data to determine lithologic and hydrologic units' extent and characteristics onsite, to determine if we can justify separate hydrologic units
Suggest County discuss with Hernando County similar closed landfill conditions
Suggest we look at perc ponds (stormwater and leachate) mound size, gradients and aquifer permeability to justify sampling frequency and surficial-only impact from effluent discharge
FDEP wants a supplemental submittal with description and justification of whether there are two units, and if so, an appropriate replacement monitoring system before deadline for their next comment.

Expansion of the ZOD via leased property may provide compliance if units are separate

Lease timing for expanded ZOD (if justifiable) is problem for permit; cannot issue permit while noncompliant condition exists, even if replacement monitoring points are in and show GW is OK.

If County can't get lease in time for permit, consent agreement may be required to provide enforceable list of proposed actions, decision matrix with triggers for various activities, timetable and consequences.

FDEP will research their options on mechanisms and timetables

Additional complication from adoption of 62-780 in April, if there is not justification for separate aquifers. Would trigger immediate consent order and automatic quarterly (including Appendix II parameters) evaluation monitoring for extent of contamination with more stringent standards of 62-777 Table 1 as limits vs. previous status as guidance concentrations. Could be followed by requiring preventative measures and corrective actions. FDEP reported this rule has been tested in court already with the outcome that the new rule must take precedence over previous procedures.

Further complication on timing of operating permit and remaining permitted fill space. County expects to run out of space by July or so. Current permit expires in August but has more time before 5-year period. County requested FDEP to consider extending the existing permit along with permission to use Phase 2. SCS will submit Phase 2 construction certification ASAP, expected within a few days.

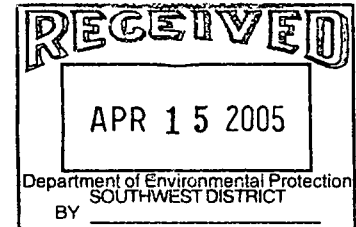
Consent agreement issuance timetable at least 30, longer if County objects to terms. Would have to have County's proposed actions, decision matrix as first basis for content of consent agreement.

FDEP will review all other items in RAI response by May 27th deadline, and provide at least verbal feedback on remaining issues. If County submits update on gas and groundwater before then, they have longer to review, but may be able to resolve issues faster than second round of RAI. Suggest e-mailing proposals on spotter, and additional teleconference next week (17, 18 or 20) on GW and gas issues to speed process and clarify positions or information.

SCS ENGINEERS

April 14, 2005
File No. 09199056.13

Ms. Susan Pelz, P.E.
FDEP Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619



Subject: Remaining Site Life Calculation for Phase 1 & 1A,
Citrus County Central Landfill, Lecanto, Florida

Dear Ms. Pelz:

On behalf of Citrus County Solid Waste Management Division, SCS Engineers (SCS) has calculated the remaining site life for the Phase 1 and 1A area of the Central Landfill in accordance with Specific Condition 22 of the current permit. SCS projected future waste generation rates based on the historic waste generation rate and the median population projections from the Bureau of Business and Economic Research (BBER). The estimated remaining air space was calculated based on the proposed final contours that were generated by CH2M Hill, and aerial topographic map provided by Kucera International, Inc (Kucera).

Kucera calculated the remaining air space volume by comparing the proposed final contours of Phase 1 and 1A to the topographic map dated October 14, 2004. SCS assumed that the waste is filled up to final capacity and allowed to settle before placing the cover soil. Hence, no final cover soil subtractions were made in the calculations. The difference between the two volumes is the approximate total remaining air space available for refuse disposal. The estimated remaining air space volume for the Phase 1 and 1A as of October 14, 2004 was 99,097 cubic yards (CY). Attachment 1 shows Kucera's volume calculations.

As shown in the calculations given in Attachment 2, SCS used an estimated effective waste density of 1,300 pounds per cubic yard (lbs/cy), based on typical calculations. This translates to an airspace utilization rate of 1.54 cubic yards per ton of waste received. The projected tonnage for each year is multiplied by the utilization rate to calculate the volume of airspace consumed. The attached calculations indicate the Phase 1 and 1A area has an estimated life to July 2005.

Ms. Susan Pelz, P.E.

April 14, 2005

Page 2

Please call either of us if you have any questions or comments regarding this report.

Sincerely,

John A. Banks, P.E.

Project Director

Raymond J. Dever

Raymond J. Dever, P.E., DEE

Vice President

SCS ENGINEERS

JAB/RJD:sj

Attachment

cc: Susan J. Metcalfe, P.G.

ATTACHMENT 1

KUCERA'S VOLUME CALCULATIONS

KUCERA INTERNATIONAL INC.

GEOGRAPHIC INFORMATION PROFESSIONALS / PHOTOGRAMMETRISTS

KUCERA SOUTH

November 24, 2004

Ms. Susan J. Metcalfe, Director
**CITRUS COUNTY DIVISION OF
 SOLID WASTE MANAGEMENT**
 P.O. Box 340
 Lecanto, Florida 34460-0340

**Re: Volume Calculations for Central Landfill Lecanto, Florida October 14, 2004 Event,
 Per you letter of November 8, 2004**

Dear Ms. Metcalfe:

New aerial photography of Citrus County Central Landfill was taken October 14, 2004. From the new flight an updated topographic and planimetric map was prepared at a scale of 1" = 100' with a 1' foot contour interval.

Volume calculations were run on the Soil Pile Area. The following is a summation of those calculations:

Soil Stockpile Area

A = Yard waste
 B = Fine mulch
 C = Coarse mulch
 D = Liner Cover sand stockpile
 E = Sub base clay stockpile
 F = Liner (not mapped)
 G = Topsoil
 H = Demolition debris
 I = New drainage retention area
 Total Soil Stockpile remaining minus the above

596 Cu Yd.
 695 Cu. Yd.
 486 Cu. Yd.
 14,550 Cu. Yd.
 328 Cu Yd.
 ———
 621 Cu. Yd.
 1,155 Cu. Yd.
 SCS.
 286,728 Cu. Yd.

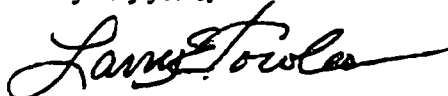
Landfill Volumes Phase 1 & 1A

Liner to October 2004
 Fill from April 2004 to October 2004
 October 2004 to Final Design

1,791,926 Cu. Yd.
 91,589 Cu. Yd.
 99,097 Cu. Yd.

If you have any questions regarding the above, please do not hesitate to call.

Very truly yours,



Larry E. Towles, PSM

LET:mt

Corporate Headquarters
 38133 Western Parkway
 Willoughby, OH 44094-7589
 (440) 975-4230
 Fax (440) 975-4238
 map @ kucerainternational.com
 http://www.kucera-gis.com

Kucera South
 2215 South Florida Avenue
 Lakeland, FL 33803-7226

(863) 686-8640
 Fax (863) 688-9594
 kucera2@gte.net

Kucera West
 Suite 215
 11049 W. 44th Avenue
 Wheat Ridge, CO 80033-2554
 (303) 456-1820
 Fax (303) 456-1821
 kucerawest1@aol.com

Henderson Aerial Surveys
 3889 Grove City Road
 Grove City, OH 43123-9193
 (614) 539-3921
 Fax (614) 539-3921
 hasmaps@cs.com

Keddal Aerial Mapping
 Suite 3100, 1121 Boyce Road
 Pittsburgh, PA 15241-3933
 (724) 942-2888
 Fax (724) 942-2888
 kam@cobweb.ru

Kucera Southeast
 225 Mackinley Circle
 Pawleys Island, SC 29558
 (843) 357-8500
 Fax (843) 357-8500

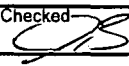


ATTACHMENT 2

SCS ENGINEERS' SITE LIFE CALCULATIONS

SCS ENGINEERS

Sheet 1 of 2

Client Citrus County	Project Central Landfill, Florida	Job No. 09199056.13
Subject Waste Generation Projections	By Ram	Date 8-Apr-05
	Checked 	Date 4-14-05

Objective: Calculate waste generation projections for Citrus County Landfill

Assumptions

1. Population increase in the county based on University of Florida bureau of business and economic research statistics
2. No change in the current collection and recycling programs

Waste disposed in the landfill for 2004 (for period 10/03 - 10/04) 88,146 tons (As per Citrus County waste tonnage report)

Waste recycled in the county for calender year 2004*** 46,994 tons (Does not include Yard Waste, Tires & Scrap metal)

Total landfill waste stream in 2004 135,140

Percentage of waste stream that is disposed in the landfill 65.23

Population in the county for 2004 128,352 UF bureau of business and economic research

Per capita total landfill waste generation rate for the county for 2004 1.05 tons/person/year

Year	Population projections*			Waste generation projections (tons)			Waste disposed in the landfill (tons)		
	Low	Medium	High	Low	Medium	High	Low	Medium	High
** 2005	124,400	130,900	137,500	130,979	137,823	144,772	85,432	89,896	94,428
2006	125,380	133,360	141,600	132,011	140,413	149,089	86,105	91,585	97,244
2007	126,360	135,820	145,700	133,043	143,003	153,405	86,778	93,275	100,060
2008	127,340	138,280	149,800	134,074	145,593	157,722	87,451	94,964	102,875
2009	128,320	140,740	153,900	135,106	148,183	162,039	88,124	96,653	105,691
** 2010	129,300	143,200	158,000	136,138	150,773	166,356	88,797	98,343	108,507
2011	129,980	145,580	162,320	136,854	153,279	170,904	89,264	99,977	111,474
2012	130,660	147,960	166,640	137,570	155,785	175,453	89,731	101,612	114,440
2013	131,340	150,340	170,960	138,286	158,291	180,001	90,198	103,246	117,407
2014	132,020	152,720	175,280	139,002	160,797	184,550	90,665	104,881	120,374
** 2015	132,700	155,100	179,600	139,718	163,303	189,098	91,132	106,515	123,341
2016	133,140	157,480	184,160	140,181	165,808	193,899	91,434	108,150	126,472
2017	133,580	159,860	188,720	140,644	168,314	198,701	91,736	109,784	129,604
2018	134,020	162,240	193,280	141,108	170,820	203,502	92,039	111,419	132,735
2019	134,460	164,620	197,840	141,571	173,326	208,303	92,341	113,053	135,867
** 2020	134,900	167,000	202,400	142,034	175,832	213,104	92,643	114,688	138,999
2021	135,060	169,240	207,140	142,203	178,190	218,095	92,753	116,226	142,254
2022	135,220	171,480	211,880	142,371	180,549	223,085	92,863	117,764	145,509
2023	135,380	173,720	216,620	142,540	182,907	228,076	92,972	119,303	148,764
2024	135,540	175,960	221,360	142,708	185,266	233,067	93,082	120,841	152,019
** 2025	135,700	178,200	226,100	142,877	187,624	238,057	93,192	122,379	155,275
2026	135,920	180,260	230,960	143,108	189,793	243,175	93,343	123,794	158,612
2027	136,140	182,320	235,820	143,340	191,962	248,292	93,494	125,209	161,950
2028	136,360	184,380	240,680	143,572	194,131	253,409	93,646	126,623	165,287
2029	136,580	186,440	245,540	143,803	196,300	258,526	93,797	128,038	168,625
** 2030	136,800	188,500	250,400	144,035	198,469	263,643	93,948	129,453	171,963

* University of Florida bureau of business and economic research bulletin 138 projections of Florida population by county 2003-2030

** UF beureau of business and economic research estimates projections in five year intervals that are highlighted in bold in the first column. A linear interpolation for increase in population was performed in between the two highlighted years.

*** Assume tonnage of waste recycled in 2004 is equal to tonnage of waste recycled in year 2003

SCS ENGINEERS

Sheet 2 of 2

Client Citrus County	Project Central Landfill, Florida	Job No. 09199056.13
Subject Remaining site life calculations (Phases 1, 1A)	By Ram	Date 8-Apr-05
	Checked <i>RB</i>	Date 4-14-05

Objective: Calculate remaining site life for Phases 1 and 1A using waste tonnage records from Citrus County and calculated waste generation projections.

Approach: Calculate airspace consumption rate using the historical effective density and apply to available airspace.

- Airspace available from October 2004 to Final Grade = 99,097 CY
(Total volume of Phase 1 & 1A as per October 2004 Kucera Report)
- Waste disposed between 10/2003 and 10/2004 = 88,146 tons (per scalehouse records).
- Effective density = 1,300 lbs/CY (based on typical calculated values)
- Effective airspace consumption rate = 1.54 CY/Ton
- Assuming the waste will be filled up to the final capacity and allowed to settle before placing the cover soil.
Cap volume= 0 CY
- Subtract Cap Volume from Air Volume to determine useable Waste Volume for site life calc
Waste Vol.= 99,097 CY (as of 10/2004)

SITE LIFE CALCULATION (based on County waste tonnage records and population projections from University of Florida)

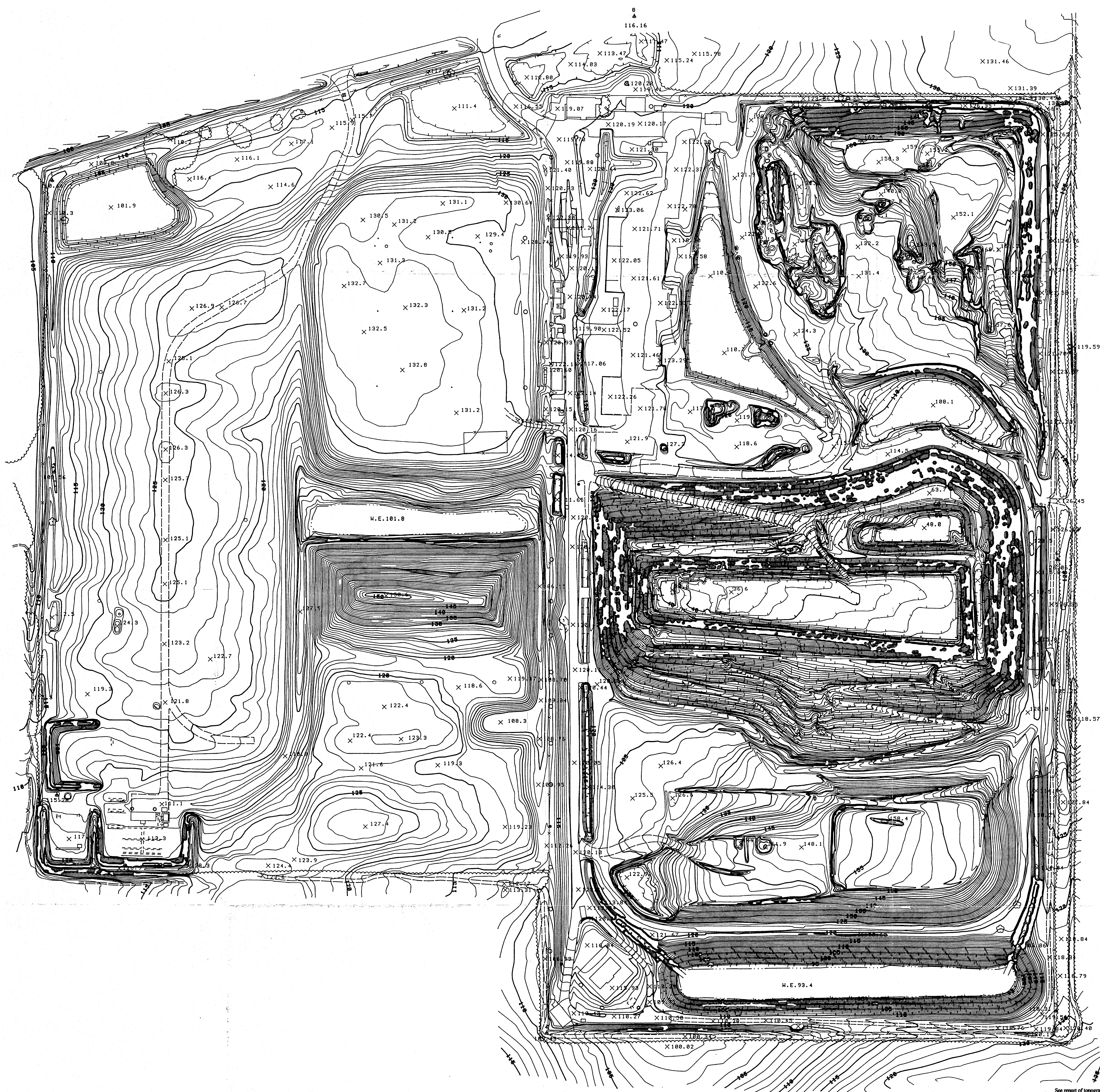
<u>Year</u>	<u>Tonnage *</u>	<u>Volume Consumed (CY)</u>	<u>Net Remaining Airspace (CY)</u>	
2003-04	88,146		99,097	(approx. air volume remaining as of Oct. 2004)
2004-05	89,896	138,302	-39,205	

* Annual tonnage increase based on University of Florida medium population projections.

CONCLUSION:

2004-05 ave monthly disposal rate = 11,525 CY/month
 Number of months used in 2004-2005= 8.60 months Approx Fill Completion Date= 1-Jul-05

1028198
①

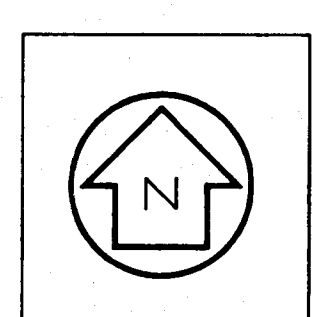
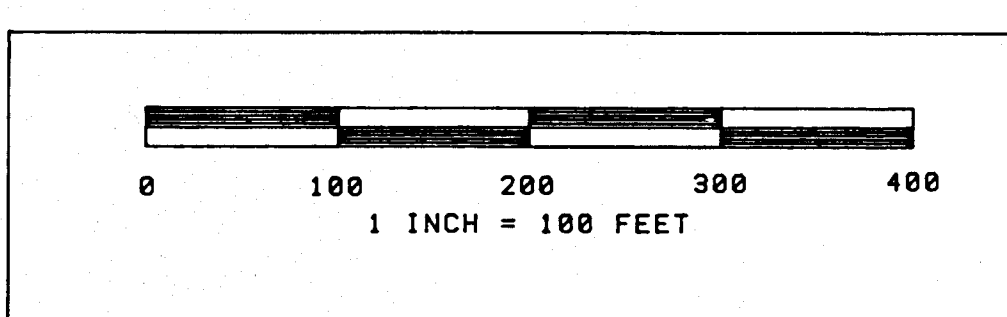


RECEIVED
APR 15 2005
CITRUS COUNTY LANDFILL

See report of topographic survey of lands in
SE 1/4 of SECTION 1, TWP 19 SOUTH, RANGE 18 EAST, Citrus
County, Florida dated October 14, 2004. This topographic map
and attached report are not valid without the signature and original
raised seal of a Florida licensed surveyor and mapper which can be
found on the report. The map and report are not full and complete
without the other. Larry E. Towles P.S.M. No. 5413

Prepared by:
Kucera South
Lakeland, Florida
A Subsidiary of
Kucera International Inc.
Denver, CO | Columbus, OH
Pittsburgh, PA | St. Louis, MO
Headquarters: Willoughby, OH

THIS MAP IS INTENDED TO BE DISPLAYED
AT A SCALE OF 1 INCH = 100 FEET
OR SMALLER



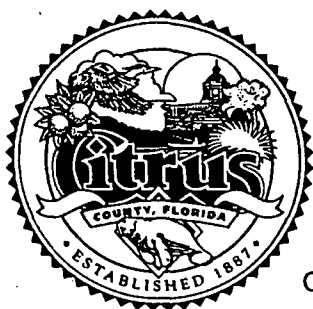
NOTE:
THE CONTOURS DEPICTED ON THIS MAP WERE COMPILED TO
NATIONAL MAP ACCURACY STANDARDS BY KUCERA SOUTH,
LAKELAND, FLORIDA, USING PHOTOGRAMMETRIC METHODS FROM
AERIAL PHOTOGRAPHY TAKEN 10-14-04. CONTOURS WHICH
ARE IN WOODED OR DENSE VEGETATION AREAS ARE APPROXIM-
ATIONS ONLY AND SHOULD BE TREATED AS "DASHED -
CONTOURS".

Update Photography: 10-14-04
CONTOUR INTERVAL: 1 FOOT
W.O. # 35697

PREPARED FOR:
CITRUS COUNTY
LACANTO, FLORIDA
CITRUS COUNTY LANDFILL

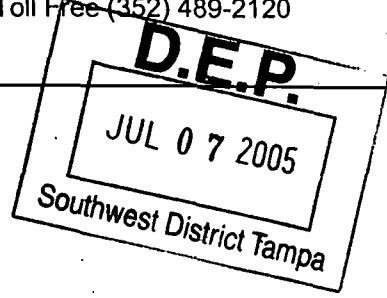
4-11-05

30
DAY
FILE



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDDTelephone: (352) 527-5214
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120



April 8, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill
Permit No. 21375-003-SO
Storm Damage

Dear Ms. Pelz:

On the afternoon of April 7, our site received 3.7 inches of rainfall in less than three hours accompanied by high winds. As a result, two incidents occurred that placed the facility out of compliance with rule or permit conditions.

The leachate treatment plant tank #1 (southeastern tank, nearest the access road) overflowed. It appears that the amount of liquid was small, probably a few hundred gallons. This is based on our observation that the plant controls did not malfunction and the normal amount of liquid was pumped from tank #1 to tank #3 overnight. Likewise, the amount pumped from the storage tank to tank #1 was the set batch size. However, there was a significant amount of foam in the tank with entrained carbon, which was probably blown out of the tank. The semi-liquid material covered the area between the tanks, and across the road, but only entered the roadside drainage swale in two areas, both less than 2 feet wide. Contrary to previous incidents, there was no carbon visible in the stormwater in the swale. All the material was cleaned up by this afternoon.

A gully developed on the western slope of the fill area, which penetrated both mulch and intermediate cover, exposing garbage. The exposed area was approximately 5 feet wide and about 100 feet long. An unknown amount of contaminated stormwater entered the west perimeter ditch during the storm. The gully was repaired this morning.

Sincerely,

Susan Metcalfe, P.G.
Director

CC: Tom Dick, Assistant Director, Public Works Department
John Banks, SCS Engineers, Tampa

SCS ENGINEERS

February 10, 2005
File No. 09199056.13

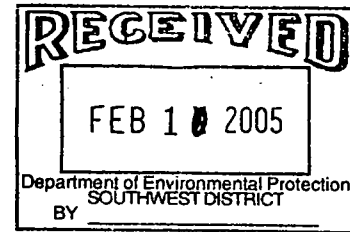
MEMORANDUM

TO: John Morris, P.G.

FROM: David Penoyer, P.E. *DAP*
John Banks, P.E. *JB*

CC: Susan Metcalfe, P.G., Citrus County

SUBJECT: Summary of Proposed Landfill Gas Monitoring Plan
Central Landfill, Citrus County, Florida
Permit No. 21375-003-SO



As background for our teleconference on Monday, February 14, 2005, on behalf of the Citrus County Division of Solid Waste Management, SCS Engineers is providing you this summary of the proposed landfill gas (LFG) monitoring plan for the Citrus County Central Landfill. Features of the plan include the following:

- Install a replacement network of 18 gas monitoring probes at the perimeter of a new compliance boundary, as shown on the attached figure. The probes will replace the existing 62 probes. Three of the existing temporary probes (GS-2W, GS-8S, and GS-4E) will be converted to permanent probes. The probes will be installed to depths ranging from 40 to 80 feet below ground surface. Probes installed on the north, west and south boundary near the 60-acre closed landfill will be 40 feet deep. The probes to the south and east of the Phases 1/1A and 2 landfill areas will be installed up to 80 feet deep. Slotted pipe will begin 5 feet below ground surface and extend to the bottom of the probe.
- New gas monitoring probes will be installed with a geoprobe-type rig, consistent with the construction of the temporary probes now in place.
- New probes will be constructed of 1-inch PVC pipe. Each probe will be capped with a threaded cap with a 1/4-inch PVC labcock valve.
- Abandon all of the other existing probes in place.
- No monitoring probes will be installed in the interior of the property.
- Establish a compliance boundary beyond the current property line. The compliance boundary will be offset from the property line on the west, south, and east sides of the current property boundary.



MEMORANDUM

February 10, 2005

Page 2

- The monitoring plan for on-site structures will include quarterly monitoring at the following structures:
 - Administration building
 - Scale house
 - Leachate treatment plant
 - Both gun ranges

Monitoring will be conducted using handheld field instruments to measure for methane at all baseboards, slab penetrations, electrical outlets, floor drains, and in enclosed spaces such as cabinets and closets. The automatic monitors will remain a component of the monitoring plan.

Please call us if you have any questions or need additional information.

attachment

G:\PROJECT\09199056\13\995613\GasMon.dwg Feb 10, 2005 - 2:10pm Layout Name: GasMonPlan Br: 2569gav

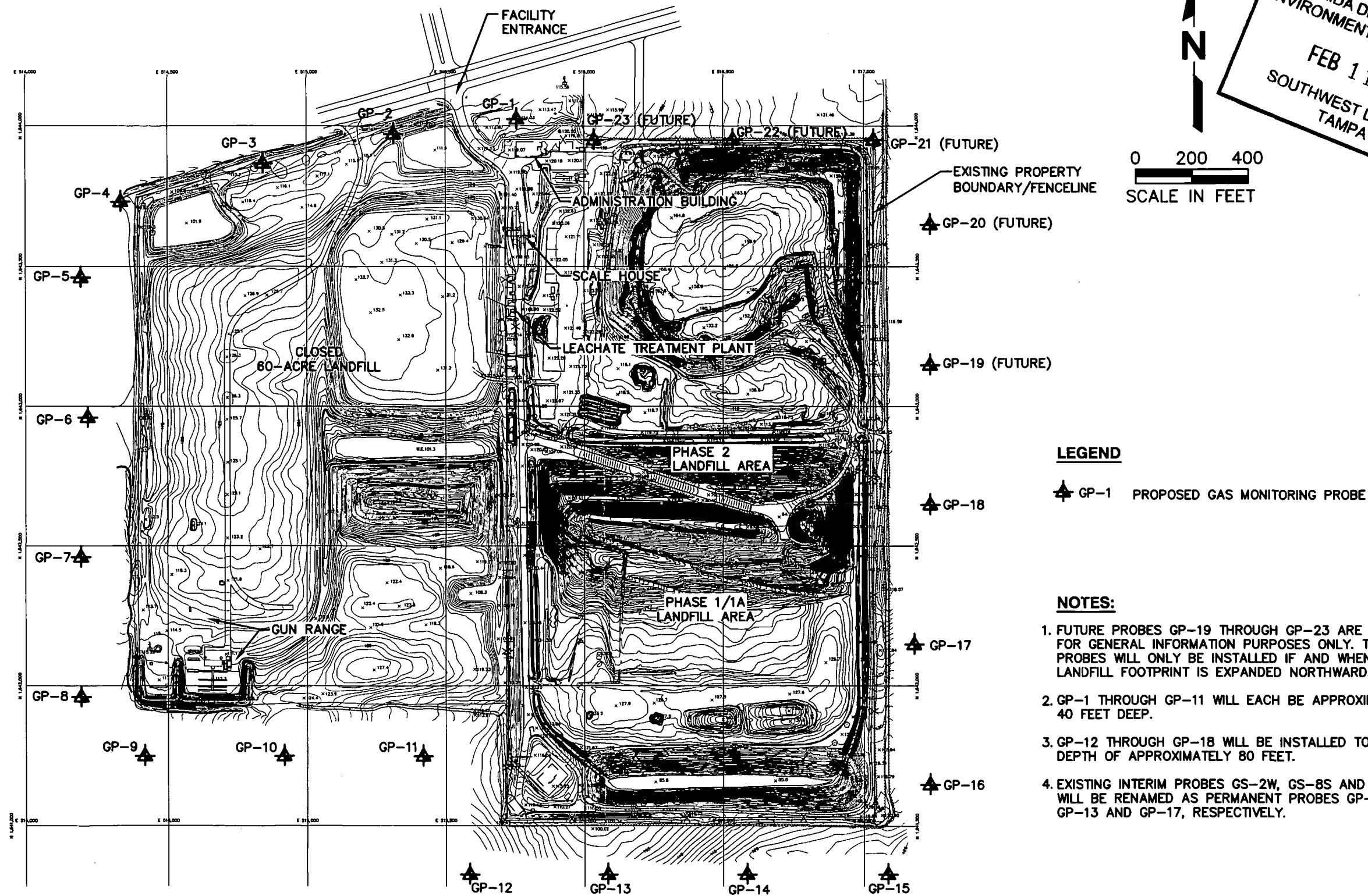
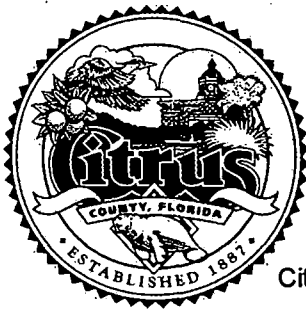


Figure 1. Proposed Landfill Gas Monitoring Probe Locations, Central Landfill, Citrus County, Florida



**Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

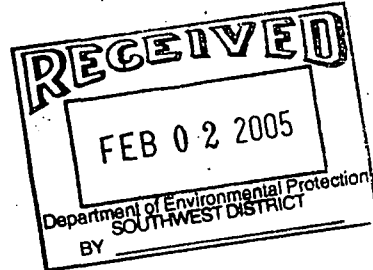
email: landfillinfo@bocc.citrus.fl.us

TDDTelephone: (352) 527-5214

Citrus Springs/Dunnellon/Ingles/Yankeetown area Toll Free (352) 489-2120

January 27, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Permit No. 21375-004-SO
Treated Leachate Spill

Dear Ms. Pelz:

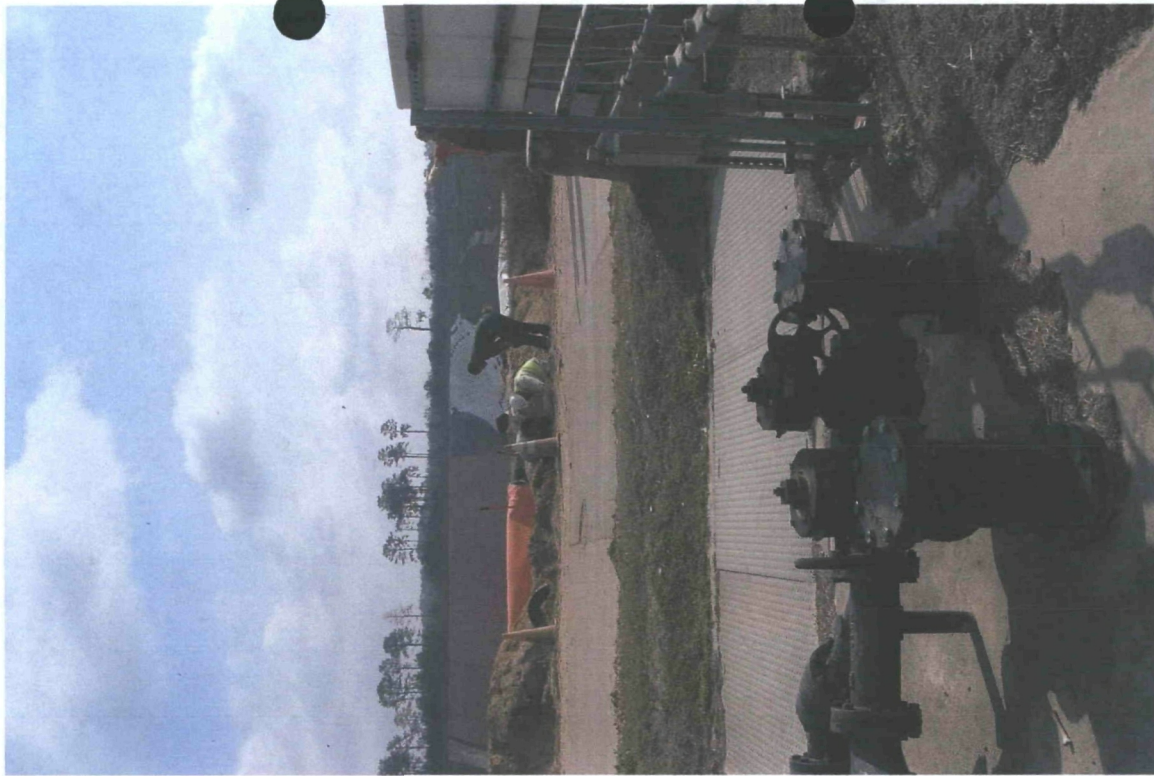
Construction activities accidentally broke a leachate line today. While working in the west anchor trench at the south end of Phase 2, Advance Construction equipment hit the clean-out for the line that connects the combined flows from the 7-acre site and the treatment plant lift station with the master lift station. The top of the fixture is at grade and was not readily visible. At the time of the break, the line was carrying backwash water from the post-treatment filters. Approximately 50 gallons leaked into the west perimeter ditch. Comanco welded the pipe today. The line has been tested and does not leak. We are fabricating a marker to avoid hitting this fixture in the future.

Please let me know if you have any questions.

Sincerely,

Susan Metcalfe, P.G.
Director

CC: Tom Dick, Assistant Director, Public Works Department
John Banks, SCS Engineers, Tampa
John Morris, FDEP, Tampa

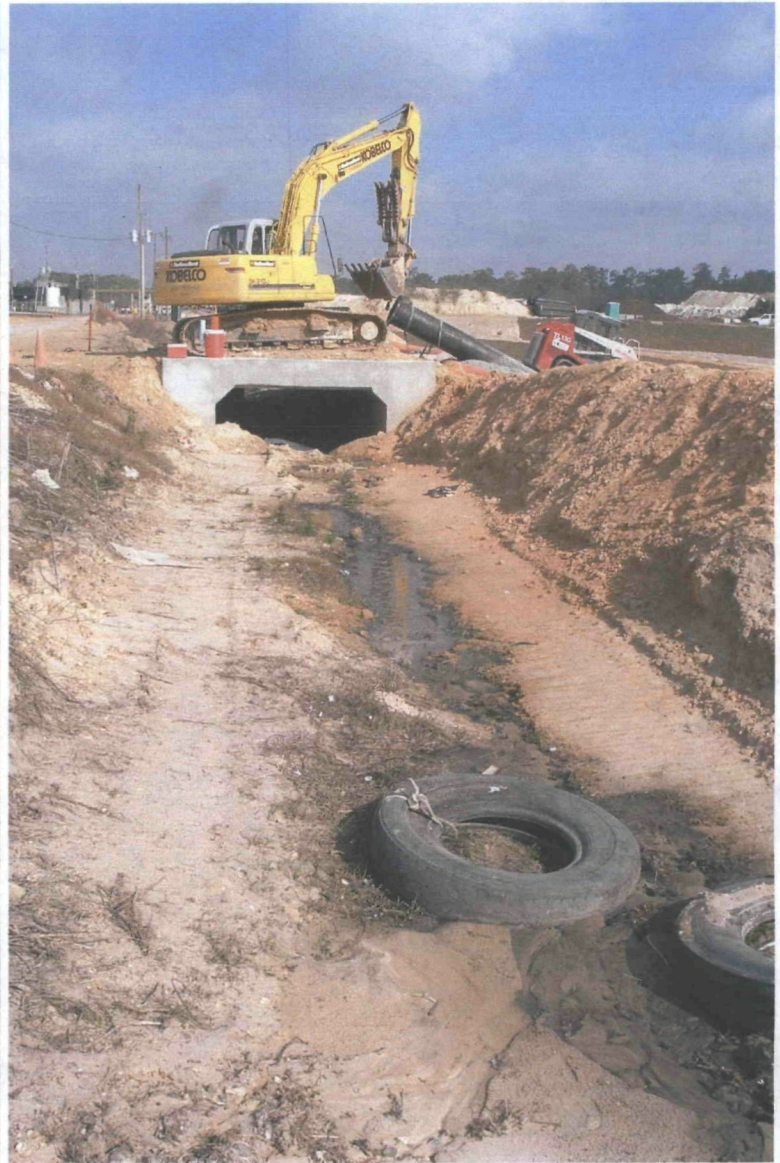


RECEIVED
FEB 02 2005
Department of Environmental Protection
SOUTH-WEST DISTRICT
BY





RECEIVED
FEB 02 2005
Department of Environmental Protection
BY SOUTH-WEST DISTRICT





Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

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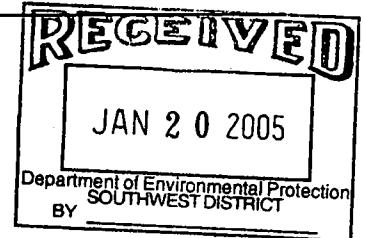
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TDDTelephone: (352) 527-5214

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

January 11, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Permit No. 21375-003-SO
Meeting summary

Dear Ms. Pelz:

Thank you for making time last week for the meeting including John Morris, Steve Morgan and you from FDEP, along with John Banks from SCS Engineers and Tom Dick, Ken Frink and me from Citrus County. It was productive to discuss long term options for use of the current landfill site, financial assurance, closure and operating permit impacts of those options. In addition, it was useful to discuss items related to the upcoming operating permit renewal submittal and construction certification.

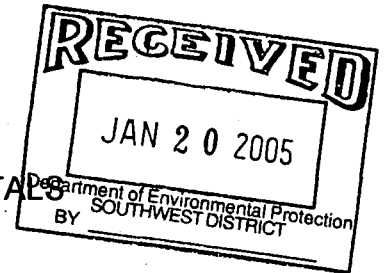
Please review the attached meeting summary and let me know if you or your staff had any different impressions of the discussion.

Sincerely,

Susan Metcalfe, P.G.
Director

CC: Tom Dick, Assistant Director, Public Works Department
John Banks, SCS Engineers, Tampa

MEETING SUMMARY
1/4/05 FDEP, SCS, CITRUS COUNTY
LANDFILL SITE USE OPTIONS AND PERMIT SUBMITTALS



Summary of site development history

1988 Phase 1 and site master plan - plan and cross section of full site use for disposal
1989-90 Phase 1 design and construction
1994 Master plan update with future shift of non-disposal facilities to closed site
1996-97 Phase 1A design and construction
2002-05 Phase 2 design and construction
2004 BOCC direction to implement transfer station north of Phase 2.

Operational options for Phase 2

Extremes of allowable use range from 1) dispose full waste stream until permitted configuration is complete to 2) dispose some waste at least once every 180 days. County can decide operating parameters after transfer station is open (split by material type, regular schedule, other)

Place and maintain daily and intermediate cover suffices until closure is required.

Maximum 5-years of permitted capacity is policy, not rule. Any construction permit providing capacity beyond 5 years would require a commitment to meet requirements of rule changes and requires an explanation as to why the request is reasonable.

Closure options

Below grade closure is permissible, would impact LTC costs for perpetual stormwater pumping.

Final closure possible but not required for any sections filled to permitted design elevation.

Temporary closure can be good intermediate cover or "experimental" exposed geomembrane.

Closure costs, configuration and timing are tied to specific operating permit, can be adjusted annually based on changes in operating plan.

Closure plan cannot extend beyond currently permitted configuration and would require a new permit (construction and operation) to go beyond Phase 2.

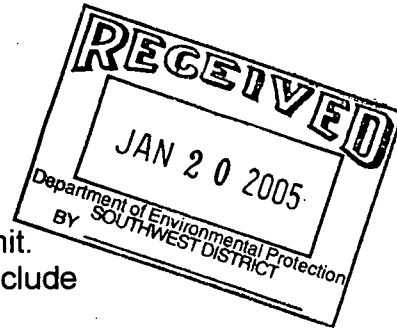
Any section with operating permit but not yet constructed would have to include commitment to construct according to future rule changes.

Financial assurance options

Cannot calculate closure costs for a configuration that is not yet permitted.

Closure must be done before LTC period can commence.

Time to closure can change based on site use, extending or decreasing time to accumulated closure costs in escrow.



Non-landfill facilities issues

Citizen service area is considered part of landfill operating permit.

CSA new construction would require separate review, issues include landfill gas, loading, settlement and maintenance if over old landfill.

Transfer station is a separate construction and operation permit. Issues include traffic (including scalehouse location), structural, plus excavation, leachate or septic tanks and gas safety if over old landfill.

Drainage permit for site would be either SWFWMD (current and preferred type) or ERP and would change with new site master plan.

Issues for operating permit renewal, suggestions by FDEP

Include gas migration monthly sampling summary and proposed action.

Consider separate vs combined sites (60- vs 80-acre) groundwater and gas monitoring.

Discuss closed site cover condition and effectiveness, activities for care of closed site.

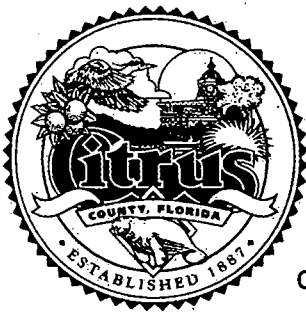
Groundwater biennial report should include discussion of detection of vinyl chloride and benzene including long term (not just 2 years) trends, possible further investigations or expansion of ZOD, appropriateness of well designations, spacing of wells for Phase 1/1A/2.

Submittal schedule

Note: suggested timing presented during meeting (combined Phase 2 construction certification and operating permit renewal) will be changed.

Operating permit renewal will come first, within about a month.

Construction certification report will be ready within a few weeks after the construction is completed, currently scheduled for end of February.



**Board of County Commissioners
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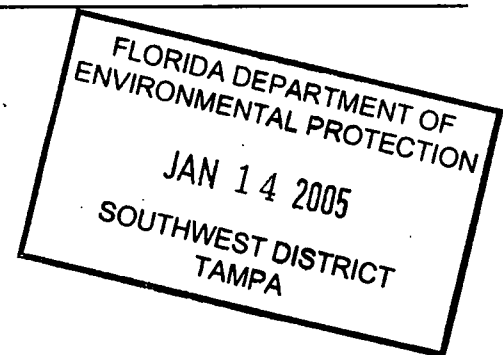
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January 11, 2005

Susan J. Pelz, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Permit No. 21375-003-SO
Exterior slopes

Dear Ms. Pelz:

This is to follow up on my correspondence dated November 23, 2004 addressed to Simone Core. She had requested that we provide a signed and sealed survey of the exterior slopes on the south side of Phase 1. That area was too steep according to aerial photograph and topography produced in April 2004. After the rainy season we regraded the area and had it surveyed again. I have attached two surveys that indicated we are now in compliance with the permit and rule requirements to have all exterior slopes at 3:1 or less.

Please contact me if you need additional information.

Sincerely,

Susan Metcalfe, P.G.
Director

Enclosure: 2 original surveys (County Engineering)

CC: Tom Dick, Assistant Director, Public Works Department
John Banks, SCS Engineers, Tampa

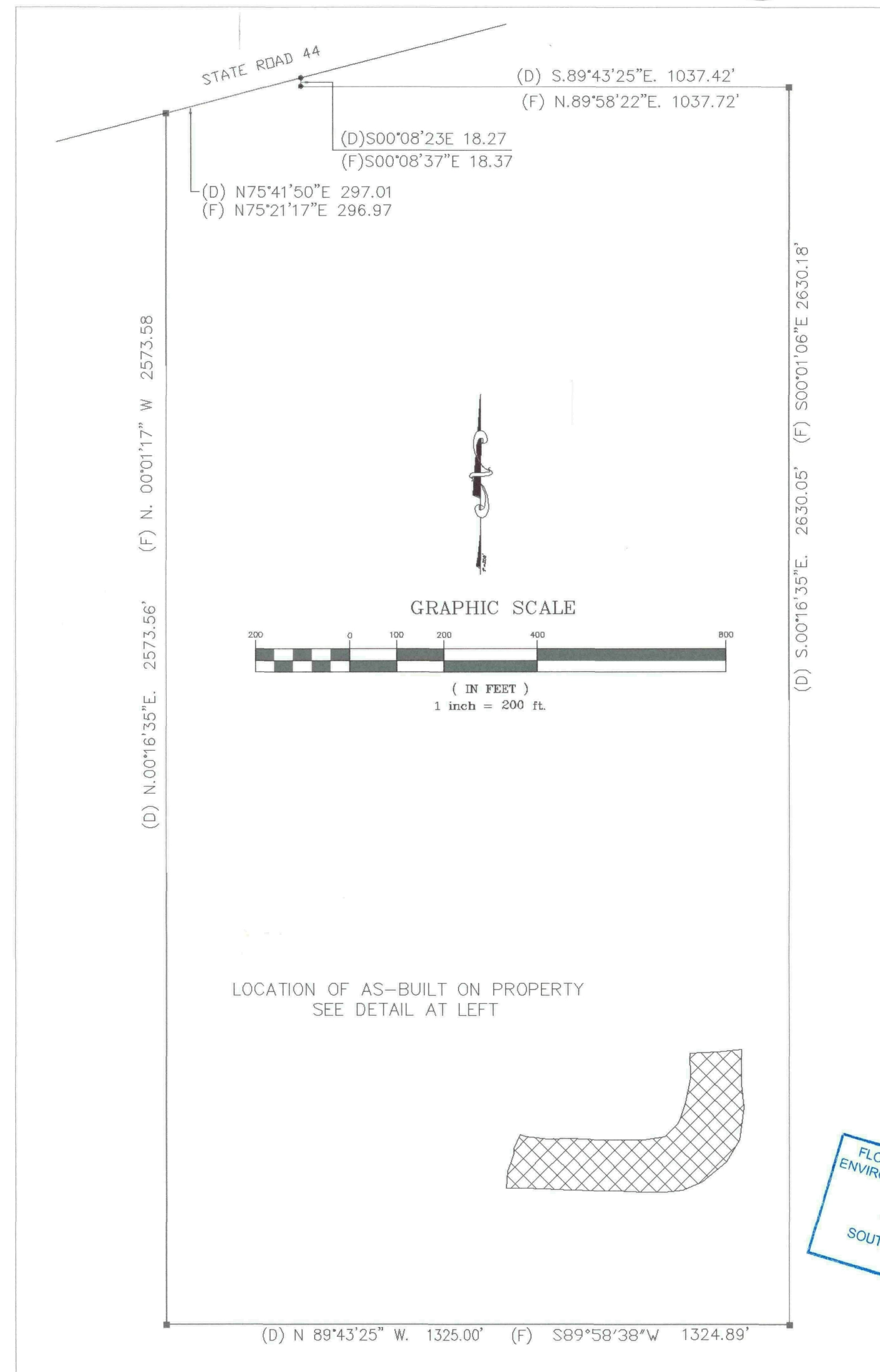
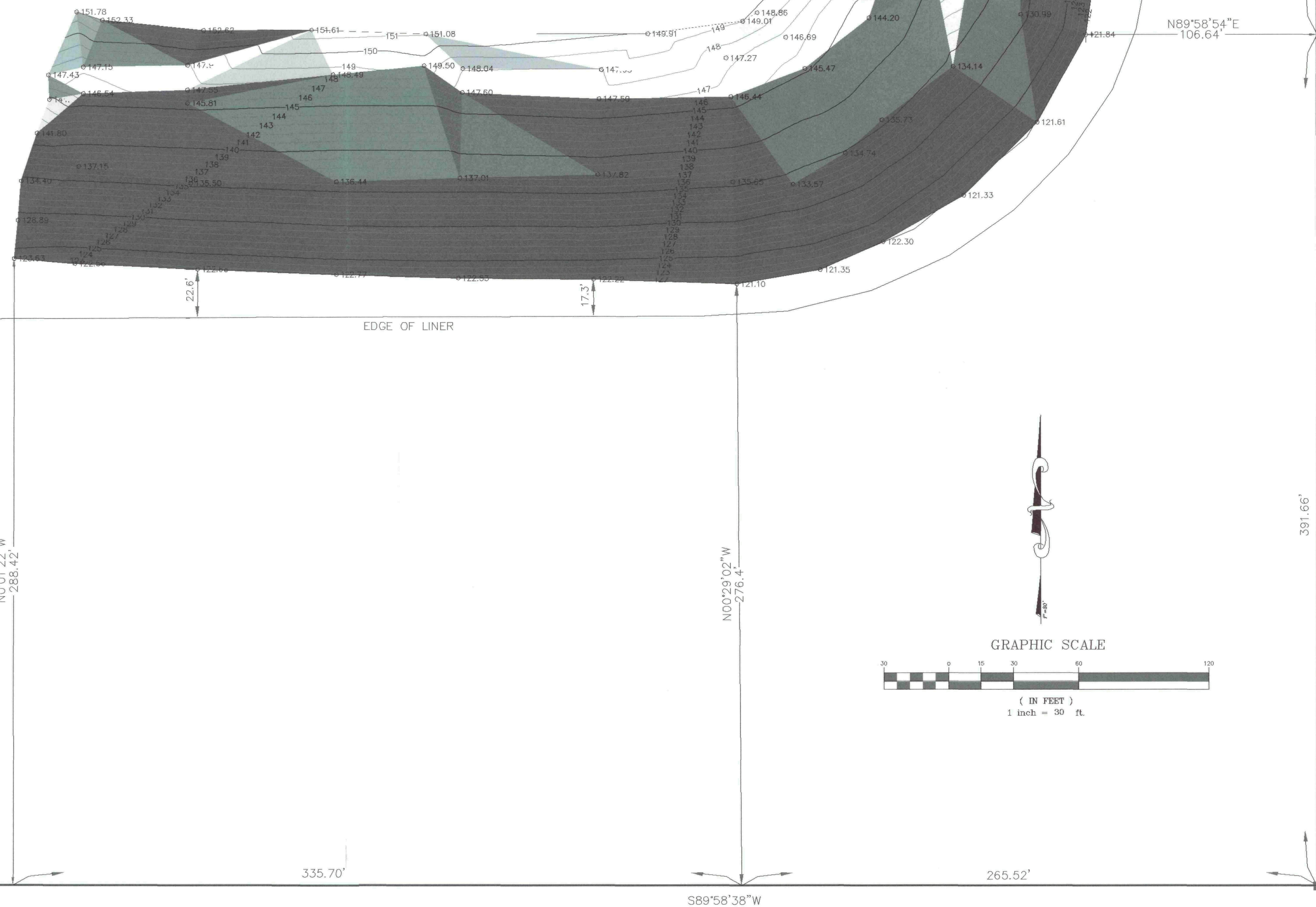
1028197
(2)

SLOPE EQUIVALENT

5 TO 1 = 20%
4 TO 1 = 25%
3 TO 1 = 33%
2 TO 1 = 50%

SLOPE LEGEND

Color	Range Beg. Percent of Slope	Range End Percent of Slope	Area	Percentage of Area
□	3.00	9.00	3580.06	5.0
■	9.00	15.00	7501.02	10.4
■	15.00	21.00	4725.16	6.5
■	21.00	27.00	18919.52	26.2
■	27.00	33.00	37535.81	51.9



SURVEYORS NOTES:
1. THIS SURVEY IS OF VISIBLE FEATURES ONLY, UNDERGROUND ENCROACHMENTS, IF ANY, WERE NOT LOCATED BY THIS SURVEY.
2. ADDITION OR DELETIONS TO THIS SURVEY DRAWING BY OTHER THAN THE SIGNED PARTY OR PARTIES IS PROHIBITED BY LAW WITHOUT THE WRITTEN CONSENT OF SIGNED PARTY OR PARTIES.
3. ELEVATIONS AS SHOWN HEREON (IF ANY) ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
4. THERE MAY BE ADDITIONAL EASEMENTS OR RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF CITRUS COUNTY, FLORIDA.
5. REFERENCE BENCHMARK, FLORIDA DEPARTMENT OF TRANSPORTATION BENCHMARK No. 54, ELEVATION 115.05' N. G. V. D. 1929
6. THERE ARE INTERNAL IMPROVEMENTS THAT WAS NOT LOCATED BY THIS SURVEY.
7. BEARINGS AND DISTANCES SHOWN HEREON ARE MEASURED AND BASED ON THE STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 UNLESS OTHERWISE SHOWN. THE NORTH BOUNDARY OF THE SOUTHEAST 1/4 OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, BEING N. 89°58'22" E
8. DEED BEARINGS SHOULD BE ROTATED COUNTER CLOCKWISE 00°18'13" TO CORRESPOND TO MEASURED BEARINGS

JOB No. 04-197 PROJ. No. 24-450 DRAW BY: S.O. APPROVED BY: P.L.H. MAP DATE: 1/05/05 SCALE: 1" = 20' SHEET No. 1 OF 1 FIELD DATE: 12/22/04 FIELD BOOK: 8-E PAGES: 62 SEC. 01 TWP. 19S R. 18E	AS-BUILT SIDE SLOPE S.E. CORNER CENTRAL LANDFILL Citrus County Department of Public Works Division of Engineering Survey Section 3600 WEST SOVEREIGN PATH, SUITE 241 LECANTO, FLORIDA. 34461 (352) 527-5498 FAX (352) 527-5476	SURVEYOR'S CERTIFICATION I hereby certify that the specific purpose survey shown hereon was based on an actual field survey made on the ground at the subject site on December 22, 2004, is true and correct to the best of my knowledge and belief, as prepared under my direct supervision, in compliance with the minimum technical standards for Surveying and Mapping in the state of Florida as set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6, Florida Administrative Code, pursuant to Section 472.02(7) Florida Statutes. Dated this 12 day of December, 2004 <i>Patrick L. Henson</i> Patrick L. Henson Professional Surveyor Mopler Florida Registration No. 4547
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LEGEND:
■ FOUND 4"x4" CONCRETE MONUMENT
○ SET 4"x4" CONCRETE MONUMENT COUNTY CAP
△ DESCRIPTIVE POINT
● FOUND IRON ROD
○ SET 5/8" DIA. IRON ROD COUNTY CAP
○ FOUND IRON ROD SET 4"x4" CONCRETE MONUMENT
○ ELEVATION
R/W RIGHT-OF-WAY
○ CENTERLINE
○ POWER POLE
○ BENCHMARK
○ WELL
○ GUY ANCHOR
P.B. = POINT OF BEGINNING
P.C. = POINT OF COMMENCEMENT
P.R.C.F. = PUBLIC RECORDS OF CITRUS COUNTY, FLORIDA
(P) = PLAT, (D) = DEED, (F) FIELD
D.R.B. = OFFICIAL RECORD BOOK
P.B. = PLAT BOOK
P.R.M. = PERMANENT REFERENCE MONUMENT
T.B.M. = TEMPORARY BENCHMARK
P.C.P. = PERMANENT CONTROL POINT
C.B.S. = CONCRETE BLOCK STRUCTURE
C/S = CONCRETE SLAB

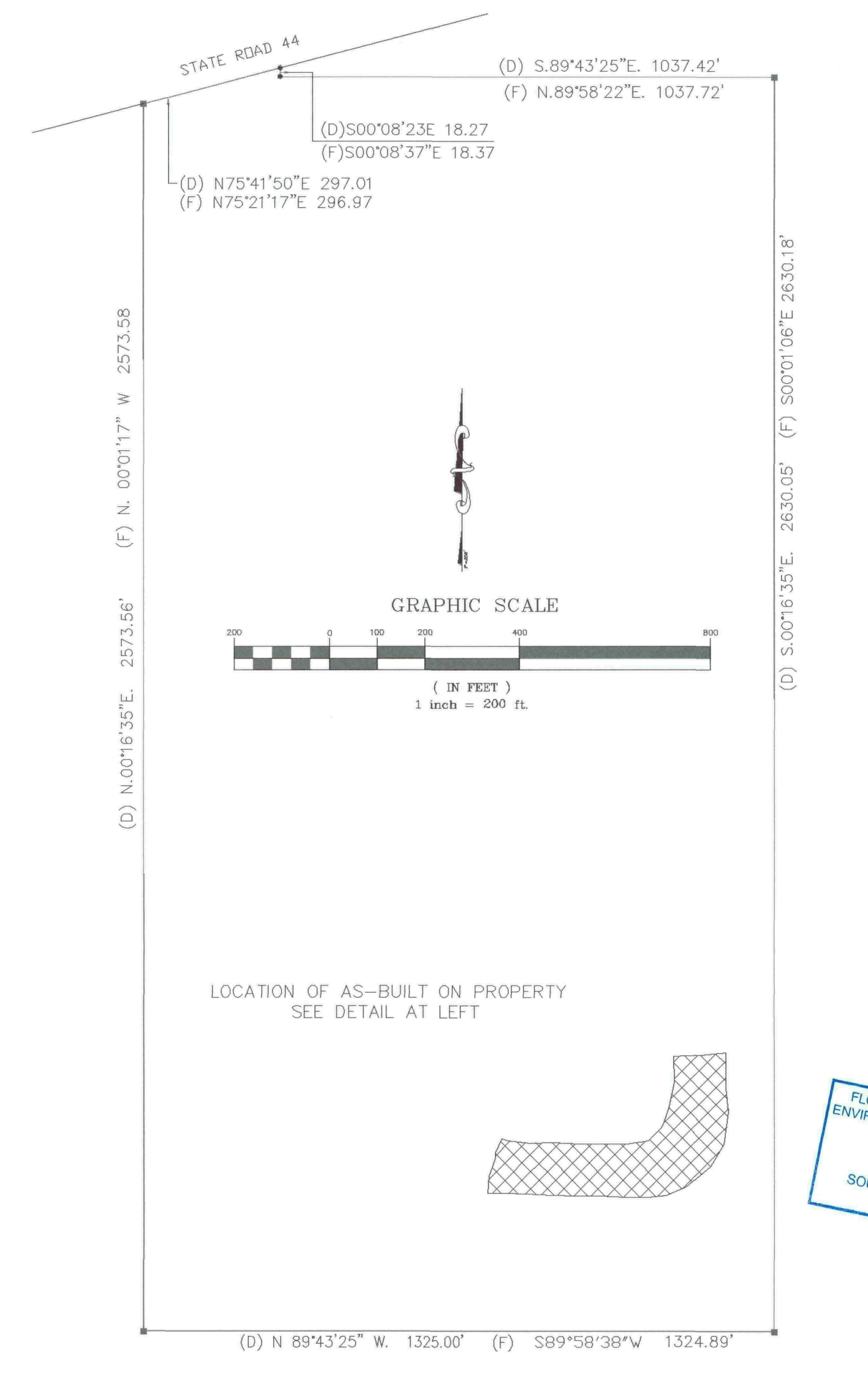
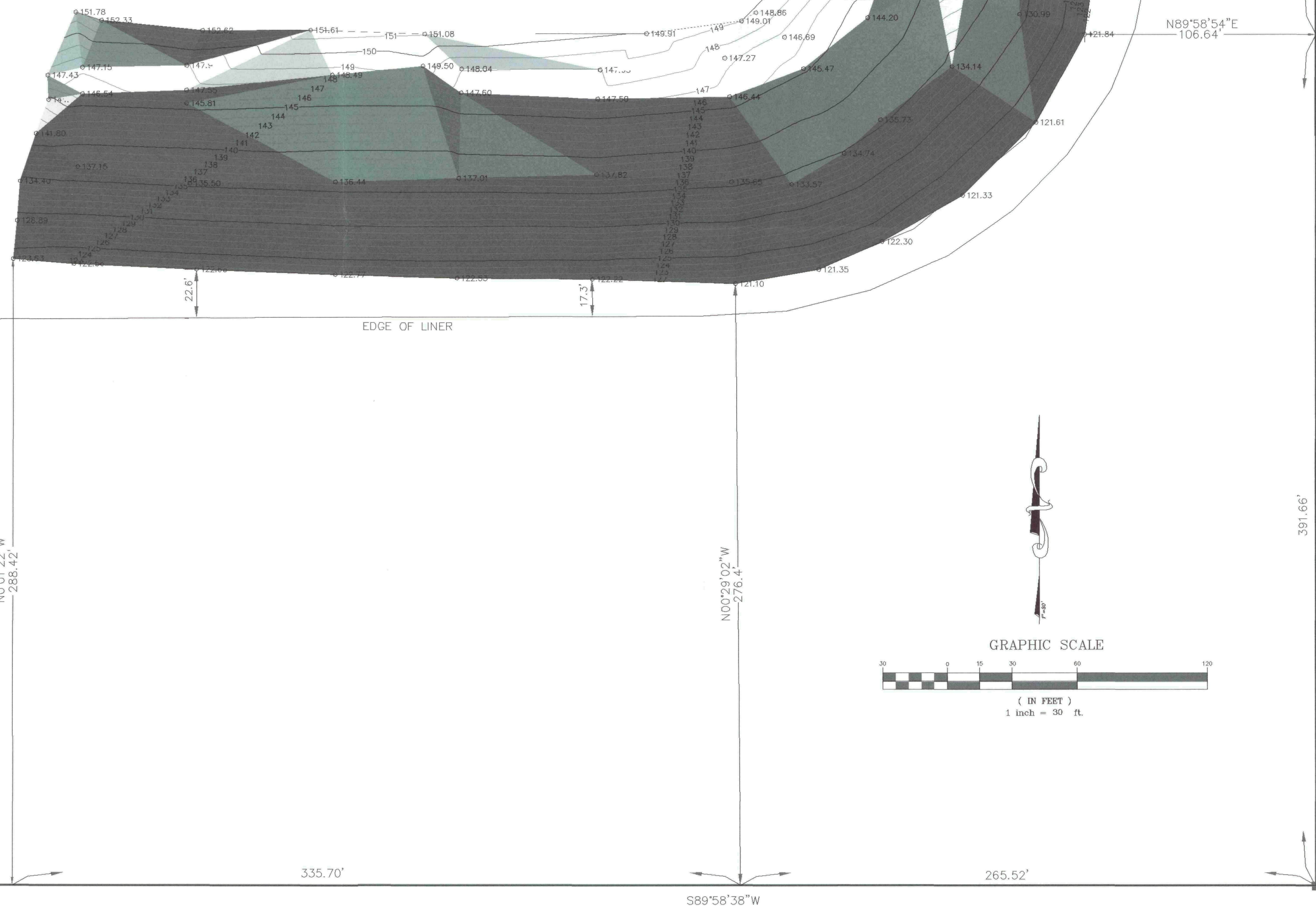
1028198
(3)

SLOPE EQUIVALENT

5 TO 1 = 20%
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3 TO 1 = 33%
2 TO 1 = 50%

SLOPE LEGEND

Color	Range Beg. Percent of Slope	Range End Percent of Slope	Area	Percentage of Area
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 8. DEED BEARINGS SHOULD BE ROTATED COUNTER CLOCKWISE 00°18'13\"/>

JOB No. 04-197 PROJ. No. 24-450 DRAW BY: S.D. APPROVED BY: P.L.H. MAP DATE: 1/05/05 SCALE: 1\"/>	AS-BUILT SIDE SLOPE S.E. CORNER CENTRAL LANDFILL Citrus County Department of Public Works Division of Engineering Survey Section 3600 WEST SOVEREIGN PATH, SUITE 241 LECATO, FLORIDA. 34461 (352) 527-5498 FAX (352) 527-5476	SURVEYOR'S CERTIFICATION I hereby certify that the specific purpose of this survey was to show the location of the AS-BUILT ON PROPERTY at the subject site on December 12, 2004, and correct to the best of my knowledge and belief as prepared under my direct supervision in accordance with the minimum technical standards for Surveying and Mapping in the state of Florida as set forth by the Florida Board of Professional Land Surveyors in Chapter 61G17-6, Florida Administrative Code, pursuant to Section 61G17-6, Florida Statutes. Dated this 12 day of December, 2004 <i>Patrick L. Hanson</i> Patrick L. Hanson Professional Surveyor Mapper Florida Registration No. 4547
---	--	--

LEGEND:
■ FOUND 4\"/>

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-1352

Colleen M. Castille
Secretary

Jeb Bush
Governor

DATE: 11/4/05

TIME: 10:00

LOCATION/CONFERENCE ROOM:

SUBJECT: Citrus Center / Master Plan

MEETING
1/5/05

ATTENDEES

[illegible]

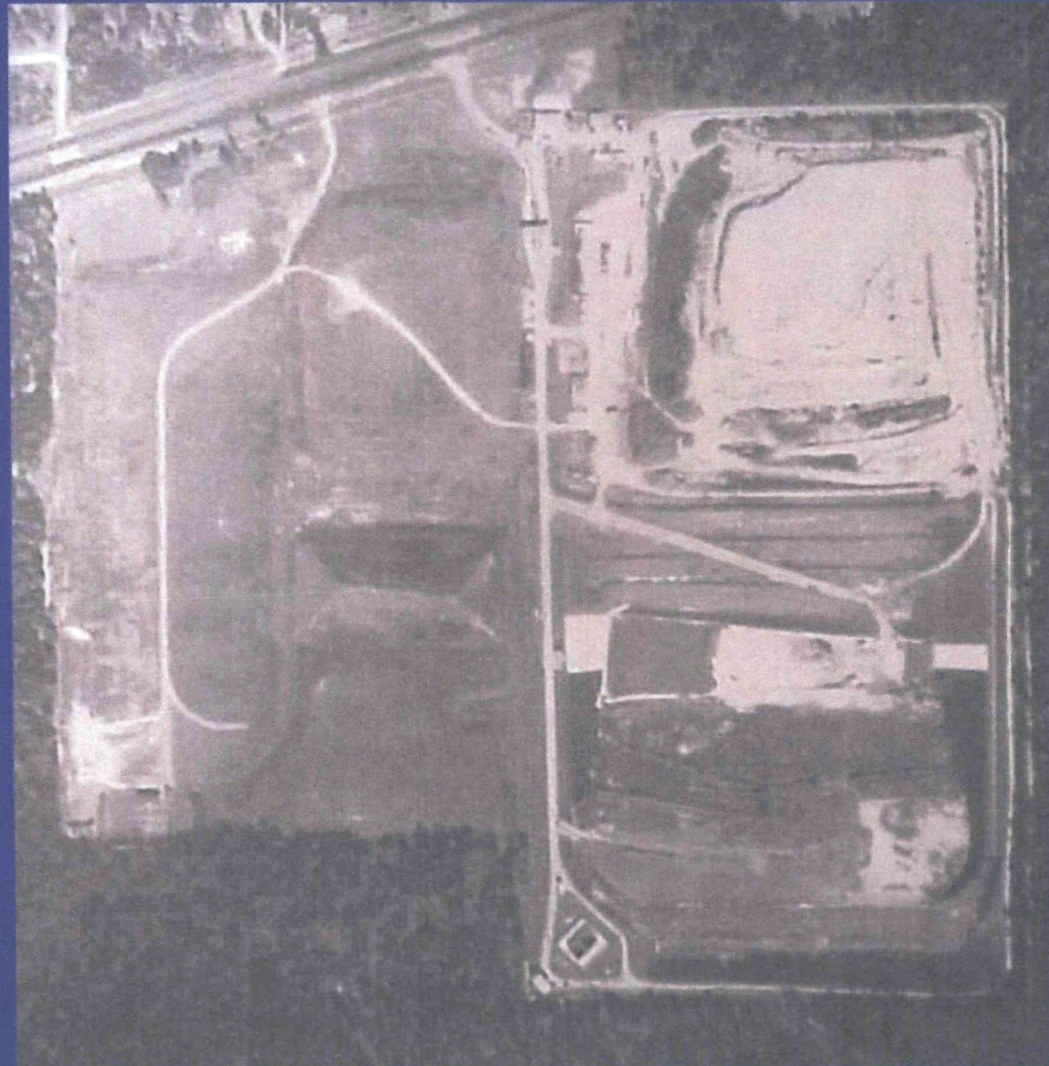
Citrus caroliniana

PROPOSED AGENDA

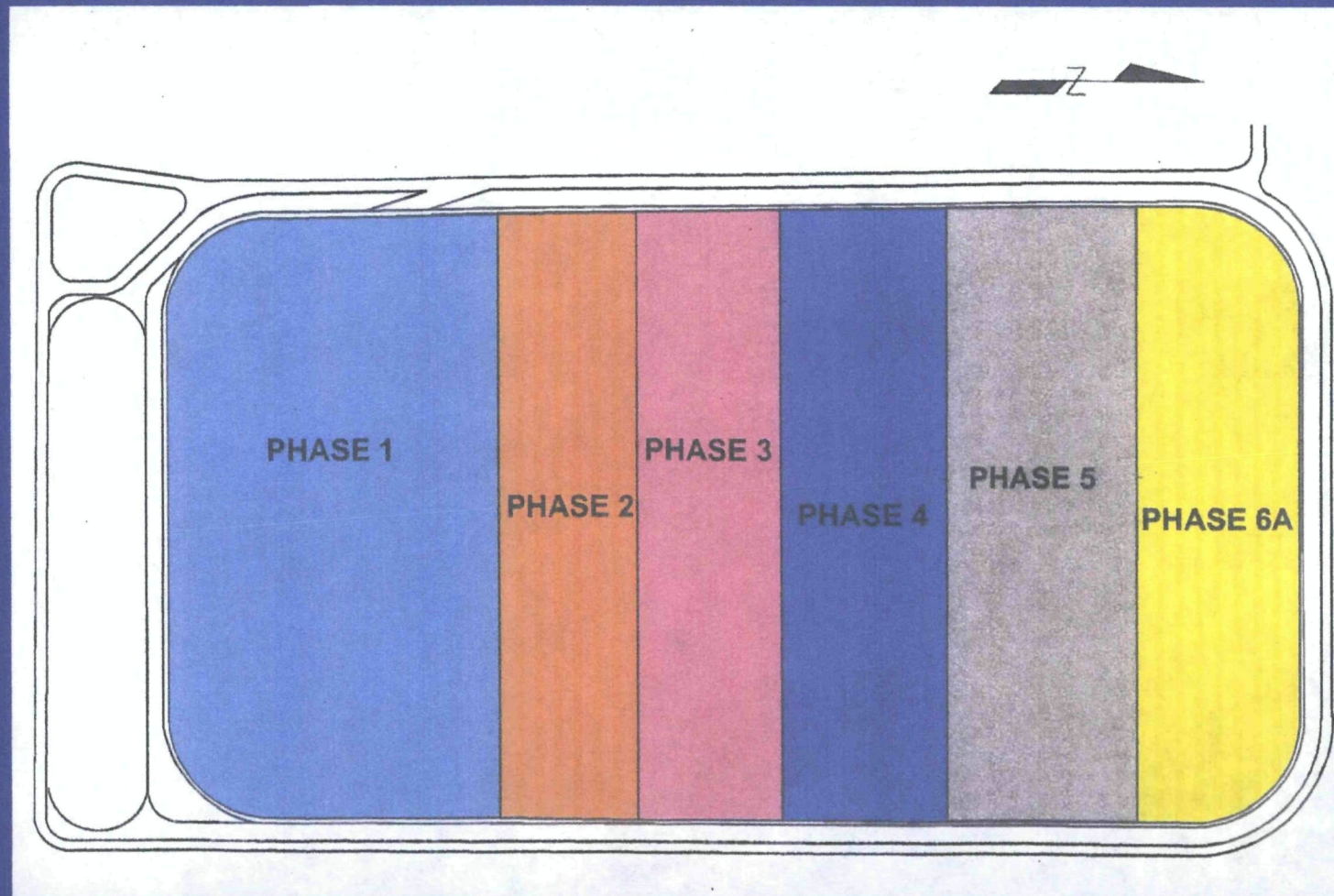
1/4/05 meeting Citrus County and FDEP Solid Waste

- 1) CHRONOLOGY OF DISPOSAL AREA PLANNING, DESIGN, CONSTRUCTION**
- 2) OPERATION ISSUES RELATED TO POSSIBLE CHANGE IN MASTER PLAN**
- 3) CLOSURE AND FINANCIAL ASSURANCE ISSUES**
- 4) ANCILLARY FACILITIES PLANNING**
- 5) REGULATORY/PERMITTING LIMITS OR CONSIDERATIONS**

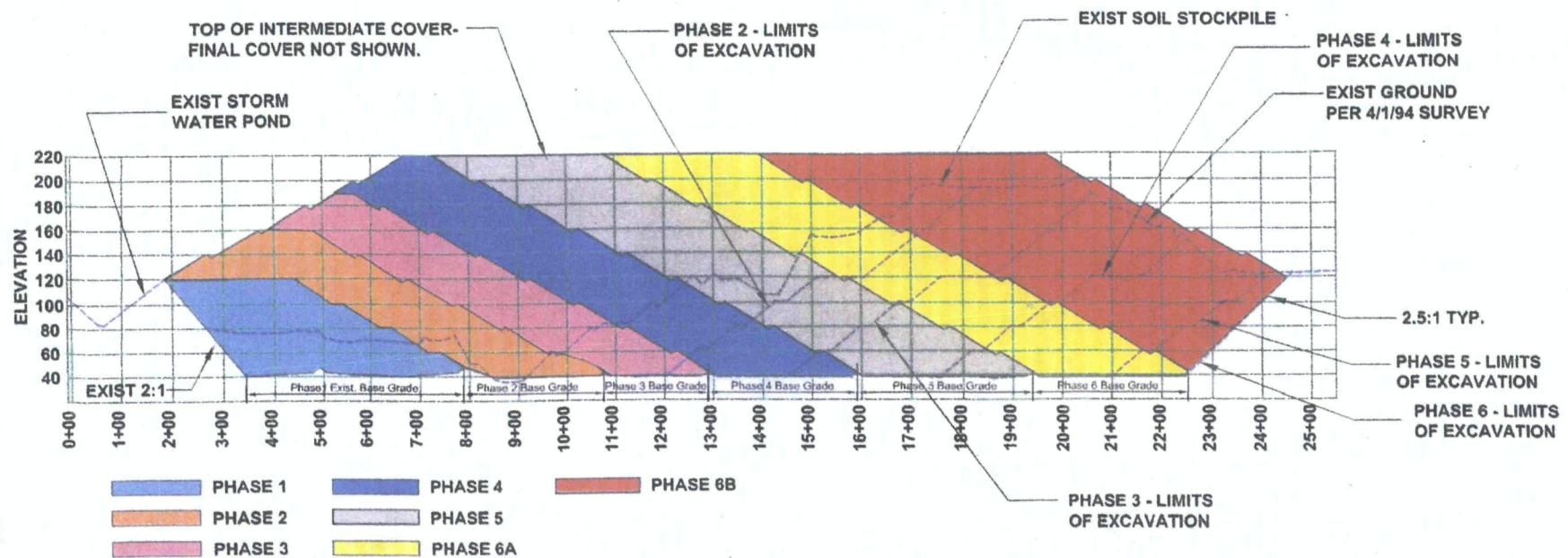
AERIAL PHOTOGRAPH OF LANDFILL



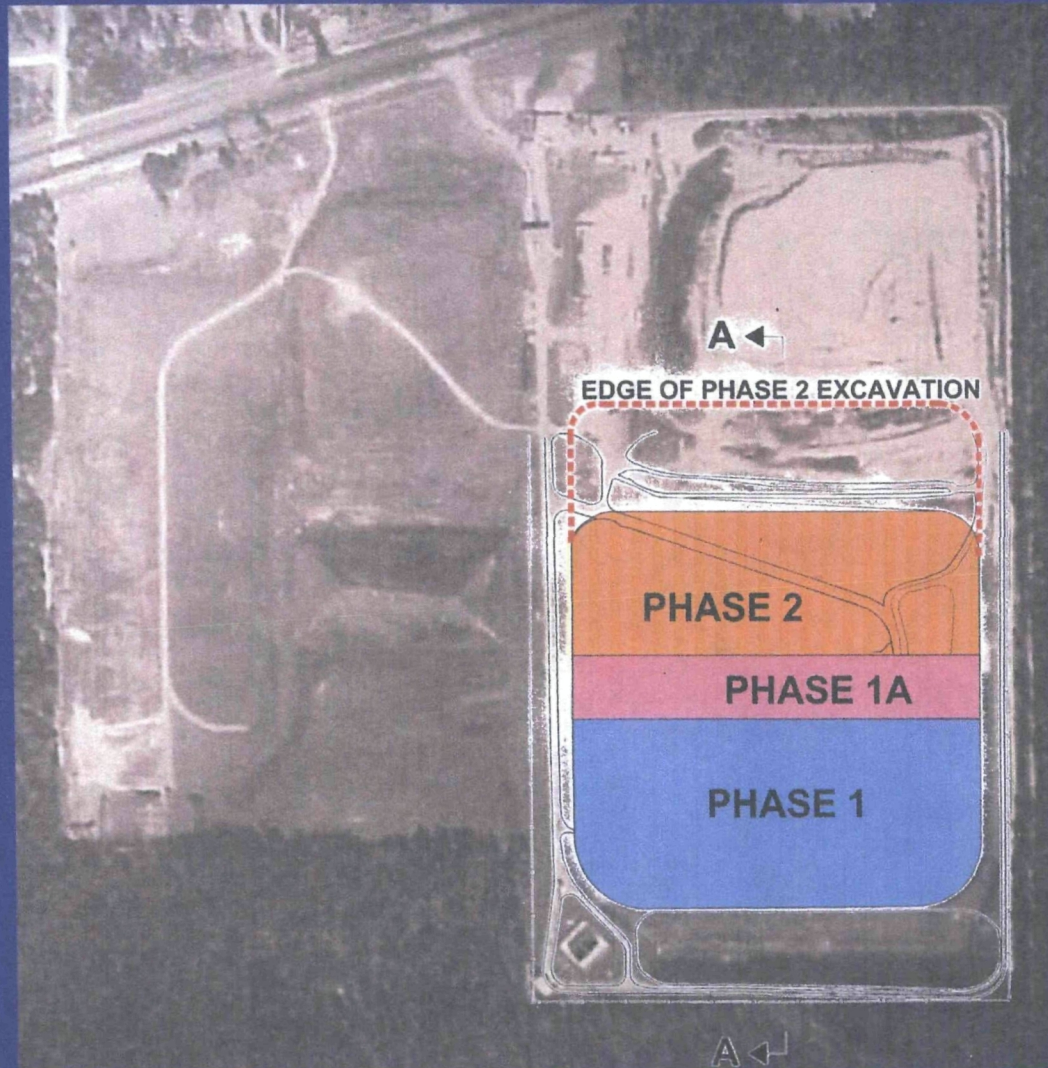
PHASES 1-6 LOCATION



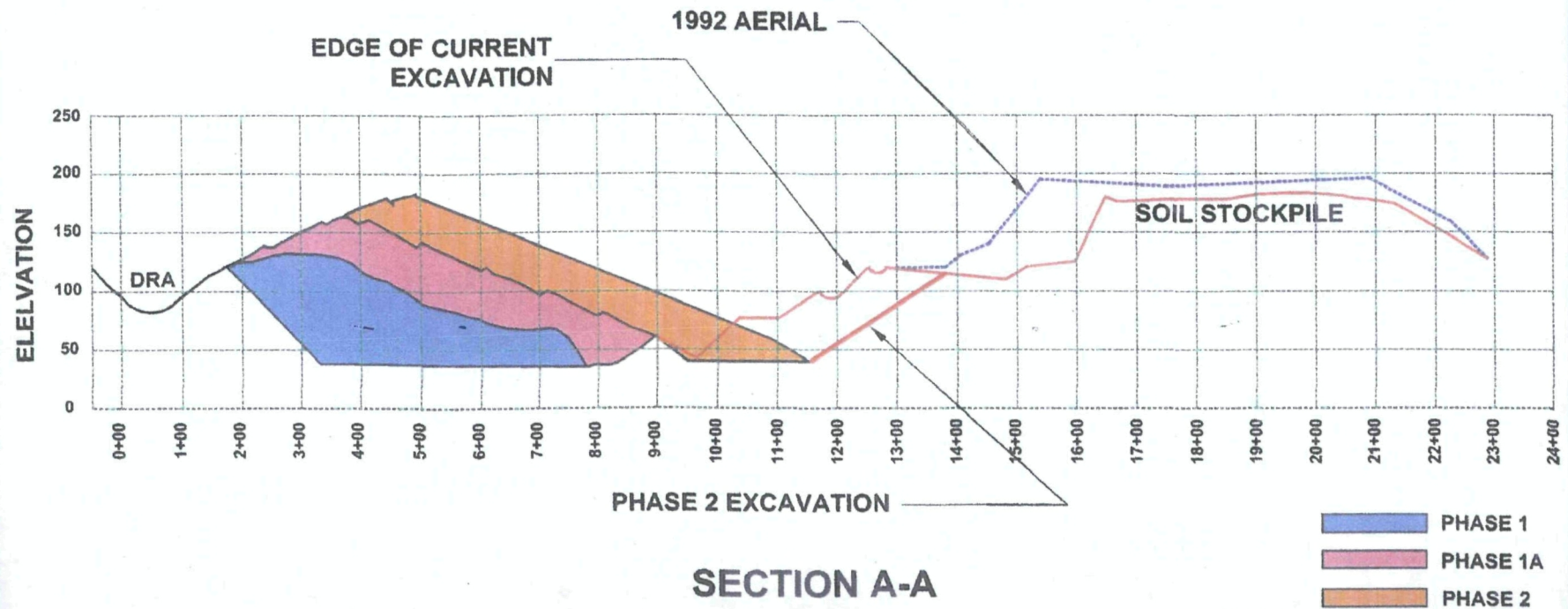
PHASES 1-6 CROSS SECTION



PHASE 2 LOCATION



PHASE 2 CROSS SECTION



TRANSFORMATION

PHASE 2 - 5 YEARS

READY FOR FILL JUNE 2005

RESUME SPARE IN PHASE 2

INTERMEDIATE COVER

ALL ONE CLOSURE

T.S ON OLD SITE

SUTLINUT

GAS

CITIZEN ~~DRY OFF~~

Permit Renewal

UPDATE ON GAS SITUATION

WATER QUALITY MONITOR SITUATION

WELLFELLS

ON PRODUCE LINE (OILFIELD/CUMULATIVE/RESERVE)

PROPOSED AGENDA

1/4/05 meeting Citrus County and FDEP Solid Waste

- 1) CHRONOLOGY OF DISPOSAL AREA PLANNING, DESIGN, CONSTRUCTION**
- 2) OPERATION ISSUES RELATED TO POSSIBLE CHANGE IN MASTER PLAN**
- 3) CLOSURE AND FINANCIAL ASSURANCE ISSUES**
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- 5) REGULATORY/PERMITTING LIMITS OR CONSIDERATIONS**

Citrus Co

4/4/05

Future expansion may be T.S.

Old 60 - 1975-1990

80ac - west side

Phase 2 - 5 yrs of life
will be ready in June 2005

T.S. in next 3 yrs
will start filling Phase 2 as normal

may want to reserve some capacity in LF
After T.S. is built, no more cells will be built

1 more plan for whole site

Long-Term Care plan incl in Op. Review
gas migration ^{ent} include in Op. Review

KEN FRANK
TOM DICK
SUSIE METCALFE
JOHN MORRIS
SOPHIE JIM

JTM NOTES
Pg 1/2

11/4/05 CITIUS CENTRAL LANDFILL

KF - BOCC DIRECTED TO CONSTRUCTION OF TRANSFER STATION

SM - PHASE II LOOKS LIKE IT WILL HAVE ~ 5 YRS CAPACITY WHEN COMPLETED

- LOOKS LIKE IT WILL BE READY FOR OPERATION BY JUNE 2005

- WANT TO START PERMITTING PROCESS FOR A NEW T-S. FACILITY AT THE CURRENT LF LOCATION

- BOARD MAY WANT TO RESERVE ~ 1 YR OF LANDFILL CAPACITY IN THE EVENT THE CONTRACT TO OPERATE THE TRANSFER STATION "GOES BAD"

J. BANKS - PERMITTING ISSUES FOR BUILDING OUT PHASES I/II - LEAVING LARGE AREA BELOW GRADE

SJP - COULD PERMIT THE CLOSURE W/ A BELOW GRADE AREA, BUT WILL NEED TO PUMP STORMWATER FOREVER

J. BANKS - TEMPORARY POND IS NOT PART OF STORMWATER PERMIT

SJP - WOULD NEED TO MODIFY EMB PERMIT TO REFLECT NEW POND CONFIGURATION

J. BANKS - WHAT ABOUT OPERATING LF 1 DAY PER WEEK

SJP - SIMILAR TO E PASCO - JUST NEED TO HAVE INTERMODATE COVER FOR AREAS NOT FILLED AGAIN W/IN 7 DAYS

- HAVE HAD "TEMPORARY" CLOSURES AT OTHER FACILITIES; WILL NOT GET BREAK ON FINANCIAL COSTS AS STILL NEED TO DO "FINAL CLOSURE"

- INT. COVER IS SOIL ONLY (NO GEOSYNTHETICS USED)

- NEED TO HAVE A "PLAN" FOR TEMP. COVER, NOT JUST PUSH OUT CLOSURE TIME FRAME

- CAN CONSIDER A TEMPORARY/PARTIAL CLOSURE TO GET BEYOND 180 DAYS FROM RESTORING DESIGN ELEV

J. BANKS - HAS PRELIMINARY PLAN FOR CLOSURE OF PHASES 1, 1A, 2

- ALSO LOOKED AT LINING/FILLING THE "HOLE IN THE GROUND" (STORMWATER POND AREA) SO DO NOT HAVE TO PUMP STORMWATER FOR LONG PERIOD OF TIME

- WHAT OPTIONS FOR PERMITTING FOOTPRINT MORE THAN 5 YRS?

SJP - POLICY NOT RULE; NO NET ENVIRONMENTAL ADVANTAGES TO PERMITTING CHARGE AREAS UNDER CURRENT RULES IF THE RULES CHANGE IN THE MEANTIME

- OPTION TO ^{CONSIDER} PERMITTING EXTENDED FOOTPRINT BEYOND 5 YR CAPACITY BUT HAVE PERMIT CONDITIONS THAT REQUIRE DESIGN TO CHANGE TO MEET ANY SUBSEQUENT RULE CHANGES

CITIZENS COUNCIL LF MEETING

KF - WHAT ABOUT RELOCATING CITIZEN DROP OFF ON TO CLOSED FOOTPRINT

SJP - PERMITTING FOR MOVING CITIZEN DROP OFF WOULD BE COVERED UNDER LF PERMIT

- " " T.E. WOULD BE A SEPARATE WASTE PROCESSING PERMIT APPLICATION

- NEED ELP CONSULTATION FOR CHANGES TO STORMWATER SYSTEM

J. BANKS / S.M - PHASE 1A WAS PERMITTED THROUGH SWFORD; WILL TRY TO GET A SWFORD TO DO MOD. TO EXISTING PERMIT FIRST

SJP - OPERATION RENEWAL ISSUES

- UPDATE ON GAS MIGRATION MONITORING

- GW ISSUES