



Lawton Chiles
Governor

Florida Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
813-744-6100

Virginia B. Wetherell
Secretary

FAX TRANSMITTAL SHEET

8/29/95
Date

FAVAIL

TO:

SUSIE METZALFE

DEPT.:

SOLID WASTE

FAX #:

(904) 527-1204 / 746 1203 FAX

FROM:

Jim Ford

DEPT.:

D.E.P., Tampa Office

PHONE:

813-744-6100 or SunCom 542-6100

Ext. 382

FAX(local) 744-6125 or (SunCom) 542-6125

SUBJECT:

8/21/95 meeting

COMMENT:

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

3

RECEIVED BY:

PHONE:



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

August 28, 1995

Ms. Susan Metcalfe P.G.
Solid Waste Management
Department of Public Works
Post Office Box 340
Lecanto, FL 34460-0340

Re: Summary of Meeting on August 21, 1995
Citrus County Central Landfill

Dear Ms. Metcalfe:

There are unresolved issues related to several of the landfill projects which were discussed on August 21, 1995. This letter is a summary of those issues and includes the deadlines for providing additional information.

1. **Leachate Storage Tank:** The DEP has confirmed appropriate design criteria for the tank and has requested additional information in its August 23, 1995 letter.
2. **Existing Operation Permit Modification:** The County intends to modify its current operating permit for a new site access, culvert, and temporary transfer station. DEP requested an evaluation of stability of the north slope and the current sequence of filling. The agreed upon date for this submittal is September 15, 1995.
3. **Pending Operation Permit Renewal:** DEP suggests a Phase I only supplement to the previously submitted permit application for the sequence of filling rather than a new permit application and has requested additional information in its August 15, 1995 letter. Citrus County must demonstrate that its selected disposal option will extend the life of the landfill at least 5 years or an earlier expiration date for the renewed permit will be established. The agreed upon date for this submittal is October 15, 1995.

Ms. Susan Metcalfe, P.G.
Citrus County

August 28, 1995
Page Two

4. **Construction Permit Application:** Plans and specifications for the Phase 2 expansion were received on June 2, 1995 without a permit application and processing fee. DEP believes that the existing north slope of Phase I may be unstable which causes heightened concern over further construction delays. The north slope could be adjusted by filling in the proposed lined area to the north which has already been excavated. The DEP requested a construction permit application and processing fee for the Phase 2 expansion by November 15, 1995.

Your continued cooperation is greatly appreciated. If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,



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

KBF/ab

cc: Gary Kuhl, P.E., Citrus County
Gary Panozzo, P.E., CH2M Hill
Robert Butera, P.E., FDEP Tampa

Transmit Confirmation Report

No.	:	010
Receiver	:	8-904-7461203
Transmitter	:	WASTE MGT TAMPA SWDIST
Date	:	Aug 29 95 14:25
Time	:	02:27
Mode	:	Fine
Pages	:	03
Result	:	OK



Lawton Chiles
Governor

Florida Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
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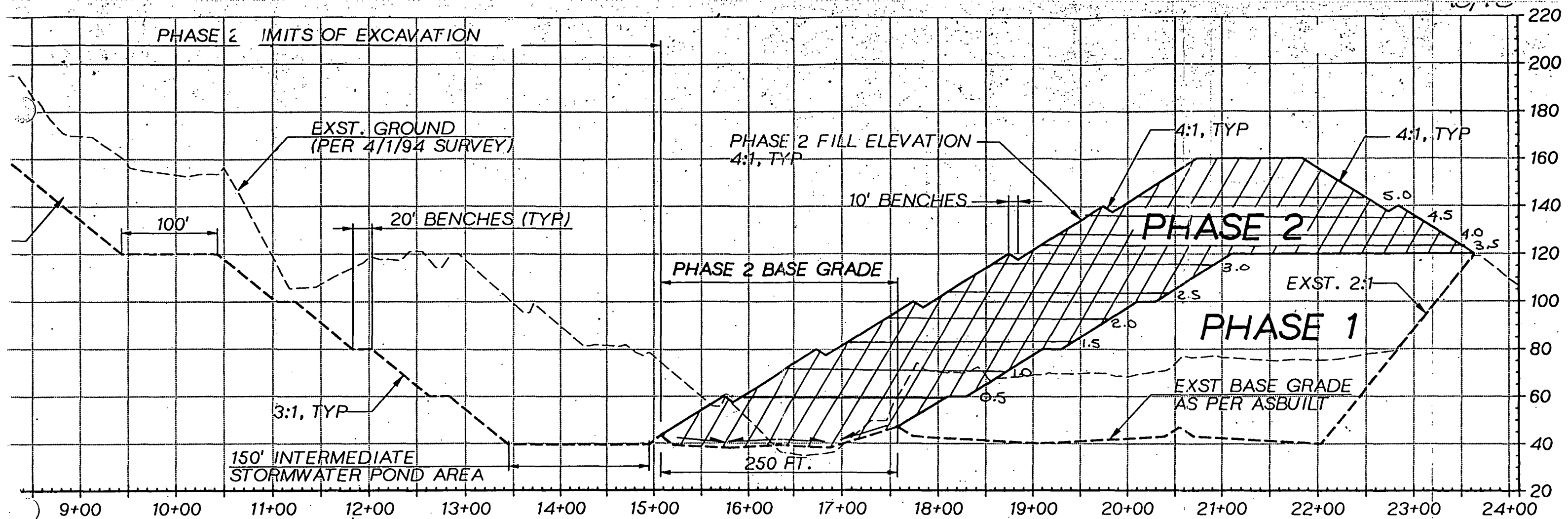
DATE: 8/21

TIME: 1:00

SUBJECT: Citrus County Landfill

A T T E N D E E S

Name	Affiliation	Telephone
John Wood	CH2M Hill	305/426-4008
Susan Rutledge	Citrus County	904 746-5000
GARY PAJOZZO	CH2M HILL	813 - 874-0777
STEVE MORGAN	FOEP	(813) 744-6100 x 385
Kim Ford	"	" x 382
GARY KUHL	CITRUS COUNTY	904 746 4107



NORTH SOUTH PHASE 2 SECTION

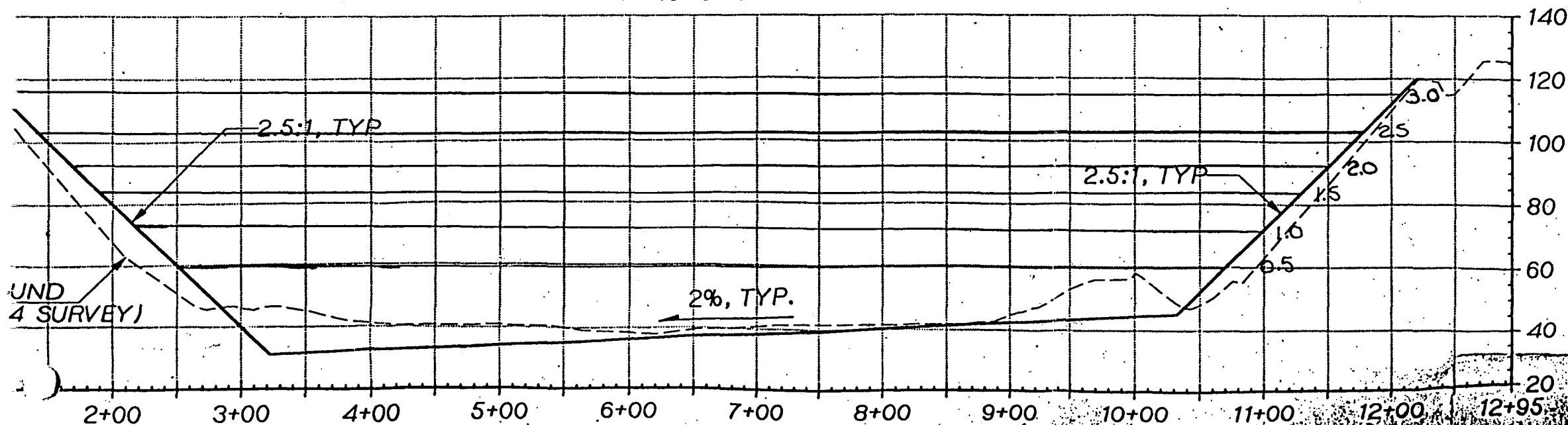
1"=100'-0" H

1"=40'-0" V

A

C-2, C-3

PAGE
JUST
BEFORE
APPENDIX E



WEST FAST PHASES 2-6 TYPICAL SECTION

B

TOP OF WALL
FINAL COVE

D. 5-11

Citrus SO permit

SOUTHWEST DISTRICT
CONVERSATION RECORD

Date 8/15/95

Subject Citrus - leachate effluent

Time 2:35

Permit No. _____

County Citrus

M Susan Metcalfe

Telephone No. 904/746-5000

Representing Citrus Co Solid Waste

[] Phone Me ☒ Was Called [] Scheduled Meeting [] Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

8/16
1:40-

she's out today; I left a message asking her to call me tomorrow

Discussed the Na exceedance in MW-6.

The law lets you exceed GW standards up to the zone of discharge - MW6 is at the ZOD.

Options will include - moving ZOD to property boundary (but will have to demonstrate to us that they won't exceed Na @ that new ZOD), stopping discharge, treating the sodium, or getting an exemption for Sodium in GW.

(exemption for sodium - I will check w/ OSC on this.)

Susan will evaluate their options & let us know as a response to the

(continue on another incompleteness sheet, if necessary) letter (or will

include a schedule)

Signature Allison Ammann

Title PGI

I N T E R O F F I C E M E M O R A N D U M

Date: 17-Aug-1995 09:51am EST
From: Allison Amram TPA
AMRAM_A
Dept: Southwest District Offi
Tel No: 813/744-6100, ext. 336
SUNCOM: 542-6100, ext. 336

TO: Cynthia Christen TAL (CHRISTEN_C @ A1 @ DER)
TO: Chris McGuire TAL (MCGUIRE_C @ A1 @ DER)
CC: Robert Butera TPA (BUTERA_R)
CC: Kim Ford TPA (FORD_K)
CC: Richard Tedder TAL (TEDDER_R @ A1 @ DER)

Subject: Na Exemption for Groundwater

Cynthia-

Hello from Tampa! I was showing a group of Girl Scouts some field trip photos, and there you are with the group at Falling Waters two years ago! Hope all's still well with you!

I have a landfill in Citrus County that may inquire about a sodium exemption. They discharge their treated leachate effluent into two small percolation ponds. They are permitted to discharge up to 30,000 gpd. Due to the configuration of the site, these ponds are located very close to an old unlined portion of the landfill, and the ZOD wells are only 15 feet away from the edge of the perc ponds. The ZOD downgradient well shows exceedances for both nitrates and sodium. Their leachate treatment plant has been fixed so that nitrates are no longer a problem, but the plant will not treat sodium. While the plant was being fixed, the leachate effluent was hauled away, and the ponds have been out of service for about one year now. The nitrate has gone down from 50ish mg/l to 13 mg/l, but the sodium has risen from 60 mg/l to 240 mg/l.

Because they cannot exceed this standard in the ZOD, they will be looking for options. The ones that I can think of are:

- 1) Don't use the perc ponds for the leachate effluent.
- 2) Try to extend the ZOD to the property boundary.
- 3) Get an exemption for sodium.
- 4) Treat the water for sodium.

The Floridan aquifer is unconfined here, and approximately 110 feet below the surface. The downgradient property boundary is located on the other side of the unlined landfill, which also is leaching some contaminants into the groundwater. The downgradient land is part of the Withlacoochee Forest, owned by FDEP. There are no potable wells downgradient for about a mile.

So..... I am trying to be prepared for their next step. I would think that they'd try to keep using the ponds (it's cheaper for them, and they just fixed their leachate treatment plant).

For me to extend their ZOD, I would like to see some kind of modeling that would show (or not show) that sodium would be diluted to below the MCL at the property boundary. If it will exceed, then we get into the exemption process of which I know nothing about. How does that work? Do they just follow the criteria outlined in FAC 62-522.500? Is there a fee?

The landfill can be expected to be treating leachate for the next 50 years, so I expect any exceedance in the effluent to show up at the property boundary over time.

Give me a call sometime in the next week-- I know this e-mail probably doesn't address all of the issues that you would need to know about.

Thanks for the help!

Allison

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

ROUTING AND TRANSMITTAL SLIP

TO: (NAME, OFFICE, LOCATION)

1.

Kathy Anderson

2.

SOLID WASTE MANAGEMENT

3.

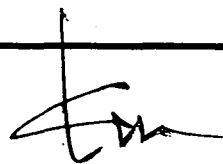
TALLAHASSEE

4.

CITRUS County Landfill
Documentation for
your files :

1. CQA PHASE 2
2. SPES PHASE 2
3. OPERATION PLAN PHASE 2
4. PERMIT APPLICATION REPORT
5. PHASE 2 CONST PLANS
6. TANK SPES
7. GWM PLAN

FROM:



DATE

8/17/95

PHONE



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

August 15, 1995

Ms. Susan Metcalfe, P.G.
Citrus County Public Works
Post Office Box 167
Lecanto, FL 34460

Re: Citrus County Central Landfill
Pending Permit No.: S009-274381, Citrus County

Dear Ms. Metcalfe:

This is to acknowledge receipt of your permit application received July 17, 1995 to operate the solid waste management facility referred to as the Citrus County Central Landfill.

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

Your application for a permit is incomplete. Please provide the information listed below promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

The following information is needed in support of the solid waste application [Chapter 62-701, Florida Administrative Code (F.A.C.)]:

- ✓1. Please provide information to demonstrate that each of the prohibitions of FAC 62-701.300 will not be violated.
- ✓2. **Item D.13.** Please provide proof of publication of notice of application as per FAC 62-701.320(8), see attachment.
- ✓3. **Item D.14.** Please provide confirmation from DOT that there are no airports within five miles of the landfill.
- ④4. **Item E.3. and 4.** Please provide the site plans and cross-sections for all trenching and disposal areas. Cross-sections are requested for each disposal area in six month increments to show the sequence of filling for at least 5 years and not more than 10 years. A Phase 1 only operation plan is required since Phase 2 has not been constructed. A permit modification may be required for Phase 2 operation upon completion of construction.

5. **Item F.2.** Please provide documentation to demonstrate DEP approval for the setback of 75 feet or authorization by the owner for the County's use of the entire landfill setback of 100 feet as required by FAC 62-701.340(4)(b).
6. **Items G, H, and I.** These parts are not required as part of this application for the Phase 1 operation permit renewal. These parts are required as part of the application for the Phase 2 construction permit which has not been submitted for review.
7. Please provide a slope stability analysis for the Phase I north slope. Figure G-1 indicates that this slope should be 6:1 or flatter but is actually 2:1. Please explain this deviation from the previously approved plans.
8. **Item K.1.** Please provide documentation that the landfill will have at least one trained operator and one spotter at each working face as required by FAC 62-701.500(1). Training certificates and work schedules are requested for all trained operators.
9. **Item K.2.b.** Please describe contingency plan for waste handling and disposal in case of a fire.
10. **Item K.2.c.** Please describe the method of handling and temporary storage of household hazardous wastes such as paint and insecticides that are discovered.
11. **Item K.2.g.** Please describe the expected density of waste following compaction with a "10-ton" compactor.
12. **Item K.2.h.** Please describe methods used to minimize leachate generation and the mixing of stormwater with leachate such as the use of temporary berms around the working face.
13. **Item K.6.** Please describe the method of handling and temporary storage of unauthorized wastes such as car batteries and waste tires that are discovered. Please provide the format for recording inspection results from the load checking program and documents used for training to identify unauthorized wastes.
14. **Item K.7.** Please provide plan and cross-section details for a typical working face with berms in place to control leachate.
15. **Item K.7.j.** Please describe erosion control procedures such as grassing or sodding intermediately covered area for sideslopes stabilization to prevent waste exposure and the subsequent discharge of leachate. Please provide plans and cross-section details for temporary downdrains and benches for stormwater conveyance.

16. **Item K.8.a.** Please describe methods and devices used to measure the depth of leachate over the liner.
17. **Item K.8.b.** Please describe the leachate removal rate, pump rates, pump control settings and scheduled maintenance. Please describe limiting factors that may affect the performance of any component of the leachate management plan and a contingency plan for corrective actions. Please provide the format for record-keeping and performance evaluations.
18. **Item K.8.d.** Please provide agreements for off-site discharge and treatment of leachate.
19. **Item K.9.** Please describe the routine gas monitoring program for the landfill.
20. **Item K.10.** Please provide typical plan and cross-section details for each type of stormwater conveyance listed. Please describe all expected maintenance for each type of conveyance.
21. **Item K.11.h.** Please describe each sign that indicates operating authority, traffic flow, hours of operation and disposal restrictions.
22. **Item Q.** Please provide your response to Ms. Susan Pelz's concerns in her August 15, 1995 letter attached. Please contact Ms. Pelz at (813) 744-6100, extension 386, for further clarification regarding this item.
23. Please provide your response to Ms. Allison Amram's concerns in her August 15, 1995 memorandum attached. You may contact Ms. Amram at (813) 744-6100, extension 336.

Please be advised that a separate permit is required for Phase 2 construction which is not included as part of this review.

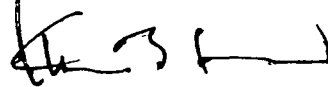
"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 62-12.070(5), F.A.C., if the Department does not receive a complete response to this request for information within 30 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after you received this letter, responding to all of the information requests and indicating when a response to any unanswered questions will be submitted. If the response will require longer than 30 days to develop, you should develop a specific time table for the submission of the requested information for Department review and consideration. Failure to comply with a time table accepted by the Department will be grounds for the Department to issue a Final Order of Denial for lack of a timely response. A denial for lack of information or response will be unbiased as to the merits of the application. The applicant may reapply as soon as the requested information is available."

Ms. Susan Metcalfe, P.G.
Citrus County

August 15, 1995
Page Four

You are requested to submit your response to this letter as one complete package. On all future correspondence to the Department, please include Robert Butera on distribution. If there are points which must be discussed and resolved, please contact me at (813) 744-6100, extension 382.

Sincerely,



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

KBF/ab
Attachments

cc: Gary Kuhl, P.E., Citrus County Public works
Gary Panozzo, P.E., CH2M Hill
Robert Butera, P.E., FDEP Tampa
Allison Amram, P.G., FDEP Tampa
Susan Pelz, FDEP Tampa
Fred Wick, FDEP Tallahassee

62-103.150 Public Notice of Application and Proposed Agency Action

(1) Each person who files an application for a Department permit may publish, or may be required to publish, and provide proof of publication to the Department, at his own expense, a Notice of Application in a newspaper of general circulation in the county in which the activity will be located or take place. Publication of a Notice of Application shall be required for those projects which, because of their size, potential effect on the environment or natural resources, controversial nature, or location, are reasonably expected by the Department to result in a heightened public concern or likelihood of request for administrative proceedings. If required, the notice shall be published one time only within fourteen (14) days after a complete application is filed and shall contain:

(a) name of applicant, a brief description of the project and its location;

(b) where the application file is located and when it is available for public inspection;

(c) the notice shall be prepared by the Department and shall comply with the following format:

**State of Florida
Department of Environmental Protection
Notice of Application**

The Department announces receipt of an application for permit from Ms. Susan Metcalfe, of Citrus County to operate the Citrus County Central Landfill (approximately 20 acres) subject to Department rules, located on State Road 44 between Lecanto and Inverness, Citrus County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

Ms. Susan J. Metcalfe, P.G., Director
Citrus County Solid Waste Division
PO Box 340
Lecanto, FL 34460-0340

August 15, 1995

RE: Citrus County Landfill Financial Assurance Cost Estimates
Permit Nos.: SO09-187229 and SF09-211030, Citrus County

Dear Ms. Metcalfe:

This letter is to acknowledge receipt of the information dated May 22, 1995 submitted by CH2M Hill, Inc. for closure and long-term care of the Citrus County Landfill and related facilities. The cost estimates submitted May 22, 1995 are not approved. Additional information is needed to fully evaluate the estimates submitted. All items must be addressed in order to completely evaluate your facility's compliance with F.A.C. 62-701.630.

Since the item below addresses only closure issues, a revised page 6, only, from the Financial Assurance Cost Estimates form, may be resubmitted. Please include the closure costs for the waste tire processing facility (including supporting calculations), revised closure cost total, and an original signature and seal of the professional engineer who has prepared the report.

Site Specific Costs - Waste Tire Facility

Please provide a cost estimate for the closing of the waste tire facility. The waste tire processing facility application received July 24, 1995, indicates that the closure cost estimates for the waste tire facility are included in the May 22, 1995 submittal. It does not appear that this information was provided.

The Department requests that all information be provided to the Solid Waste Section, FDEP, Tampa office within thirty (30) days of this notice. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, E.I.
Solid Waste Section
Division of Waste Management

sjp
cc:

R.J. Bruner III, P.E., CH2M Hill, 7201 NW 11th Place, Gainesville, FL 32605
Gary Kuhl, P.E., Director, Citrus Co. Dept. of Public Works
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
Kim Ford, P.E., FDEP Tampa

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Memorandum

Florida Department of Environmental Protection

TO: Kim Ford, P.E.

FROM: Allison Amram, P.G. *A Amram*

SUBJECT: Citrus County Central Landfill
Operation Permit Renewal, Pending Permit No. SO09-274381

DATE: August 15, 1995

CC: Bob Butera, P.E.

=====

I have reviewed the Citrus Central Landfill permit renewal application for water quality monitoring concerns. This application was submitted July 17, 1995, and is dated June 2, 1995. The Groundwater Monitoring Plan, 80-Acre Landfill Expansion is dated April 1995, and was received July 3, 1995. The following comments are referenced by Section of the Groundwater Monitoring Plan.

1. Section 3.6.2.2 In the last two quarters, monitoring well MW-6 exceeded the Primary Drinking Water Standard for both nitrate and sodium. This well monitors the edge of the zone of discharge for the leachate effluent percolation ponds. According to F.A.C. 62-522.300(1), no exceedances of groundwater quality standards or criteria are allowed outside of a zone of discharge. Please inform the Florida Department of Environmental Protection (Department) of the County's plans to address this issue.
2. Section 4.1 The Department acknowledges the request to conduct field filtering of the groundwater samples from the site. However, the filtering must be conducted in accordance with the Department's Technical Document Determining Representative Ground Water Samples, Filtered or Unfiltered, dated January 1994. A copy of this document is attached for your reference.
3. Section 4.2 This section states that the groundwater monitoring for both the 60-acre closed landfill, and the 80-acre expansion section will be conducted as one site. To this end, the Department proposes to include all groundwater monitoring activities in the operational permit, and delete the specific conditions concerning groundwater monitoring activities in the landfill's closure permit once the new operational permit is issued.
4. Section 4.2(7) Please note that F.A.C. Chapter 17-21 has been renumbered to F.A.C. Chapter 62-532.
5. Section 4.4 Leachate sampling locations should be located prior to any conditions that may change the leachate characteristics. Are the current sampling points located in the first point of access to the leachate? Please describe the

leachate sampling points, and provide a figure showing the location of these sampling locations, and how the sample is collected.

6. Sections 4.5.1 and 4.5.3 Sampling of new wells is proposed for four consecutive quarters, and then semi-annually. It is not required that all new wells, background or detection, be monitored quarterly. The Department will require the new site wells to be sampled initially for all parameters listed in F.A.C. Rule 62-701.510(8)(a) and (d), and then semi-annually for the parameters listed in F.A.C. Rule 62-701.510(8)(a). If the County wishes to conduct more frequent monitoring, and for the additional proposed parameters, the Department requests that the data be submitted to the Solid Waste Section. However, this additional monitoring above the rule requirements will not be required by the Department. The proposed new well locations and construction are acceptable to the Department.
7. Section 4.7(2) F.A.C. Rule 62-701.510(9)(b) requires an evaluation of the groundwater monitoring systems every two years. This was changed from annually to every two years when the monitoring frequency changed from quarterly to semi-annually. Again, if the County would like to conduct a more frequent evaluation of their groundwater monitoring plan than the required two years, the Department will review the evaluation to provide technical support to the County. Please note that the this section of the rule requires the plan to be updated at the time of permit renewal.

If the applicant should have any questions concerning these comments, they may contact me directly at 813/744-6100, ext. 336. A copy of the water quality monitoring section, F.A.C. Rule 62-701.510, is attached for the applicant's reference.

Attachments (2)

aa



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

Ms. Susan J. Metcalfe, P.G., Director
Citrus County Solid Waste Division
PO Box 340
Lecanto, Fl. 34460-0340

August 15, 1995

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Sincerely,

Susan J. Pelz, E.I.
Solid Waste Section
Division of Waste Management

sjp
cc:

R.J. Bruner III, P.E., CH2M Hill, 7201 NW 11th Place, Gainesville, Fl. 32605
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Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
Kim Ford, P.E., FDEP Tampa

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Memorandum

Florida Department of Environmental Protection

TO: Kim Ford, P.E.

FROM: Allison Amram, P.G. *A. Amram*

SUBJECT: Citrus County Central Landfill
Operation Permit Renewal, Pending Permit No. SO09-274381

DATE: August 15, 1995

CC: Bob Butera, P.E.

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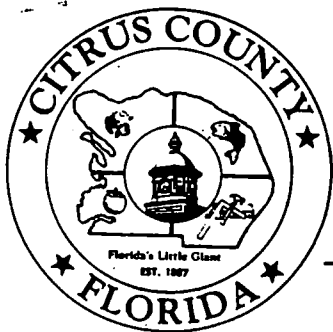
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Attachments (2)

aa



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

August 1, 1995

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

RECEIVED
AUG 07 1995

Depart: Environmental Protection
BY: SOUTHWEST DISTRICT

Re: Citrus County Central Landfill
Permit NO. SO09-187229
Permit Modification #269308 dated May 18, 1995

Dear Mr. Ford:

Citrus County has completed construction of the requested modifications to the facility including a gutter system along the liner/fill interface and a ditch crossing, within the permit deadlines. The attached as-built drawings were prepared by the County surveyor and have been signed and sealed by Mike Moore, the P.E. on the project. The Solid Waste Facility Construction Completion form has also been signed and sealed by Mr. Moore. We are requesting a site inspection for acceptance of these facilities at your convenience, perhaps in September. We would expect that inspection of the citizen dropoff, waste oil containment and leachate plant modifications which were covered under other permit modifications could be performed at the same time.

Please note that the soil excavation requested as part of the referenced permit modification will not be required under the program our Board of County Commissioners has directed us to follow. Their direction, as we have discussed in person, includes construction of a disposal facility utilizing the existing excavated area in whole or in part. Please make any necessary changes to the body of the permit at the next available opportunity. We anticipate an additional minor permit modification application to be submitted prior to expiration of the current permit.

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
Post Office Box 215
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(904) 746-6888 Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
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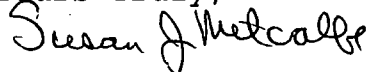
Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

Kim B. Ford
August 1, 1995
Permit Modifications

Page 2

We look forward to your acceptance of these improvements to our facility.

Yours Truly,

A handwritten signature in cursive script, reading "Susan J. Metcalfe".

Susan J. Metcalfe, Director
Division of Solid Waste Management

CC: Gary W. Kuhl, Director, Dept. Public Works
Mike D. Moore, P.E., Dept. Technical Services



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

DEP Form # 62-701.500(2)
Form Title <u>Certification of Construction Completion</u>
Effective Date <u>May 19, 1994</u>
DEP Application No. _____
(Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

RECEIVED
AUG 07 1995
Department of Environmental Protection
BY SOUTHWEST DISTRICT

DEP Construction Permit No: MODIFICATION #267264 County: CITRUS

Name of Project: RECYCLING AND TRANSFER SITE

Name of Owner: CITRUS COUNTY B.O.C.C.

Name of Engineer: MICHAEL D. MOORE

Type of Project: RECYCLING AND WASTE DROP-OFF
IMPROVEMENTS

Cost: Estimate \$ 10,000 Actual \$ 10,930.49

Site Design: Quantity: _____ ton/day Site Acreage: _____ Acres

Deviations from Plans and Application Approved by DEP: VERTICAL HANDRAIL
POSTS AND CROSS MEMBERS WERE MODIFIED. CHAIN
AND POSTS ADDED. DIRECTION OF ROOF PITCH WAS
CHANGED TO SLOPE WEST.

Address and Telephone No. of Site: P.O. Box 167, LECANTO, FL.
34460 / (904) 746-5000

Name(s) of Site Supervisor: DAVID CHAMBLIN

Date Site inspection is requested: SEPT. 1995; COORDINATE W/LEACHATE PLANT INSP.

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

Permit No.: MODIFICATION #267264 Dated: MARCH 31, 1995

Date: 8-1-95

STATE OF FLORIDA
CERTIFICATE
NO. 13749
MICHAEL D. MOORE
REGISTERED ENGINEER
Signature of Professional Engineer



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

DEP Form # 62-701.9902
Form Title <u>Certification of Construction Completion</u>
Effective Date <u>May 19, 1994</u>
DEP Application No. _____
(Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

RECEIVED
AUG 07 1995

DEP Construction Permit No: MODIFICATION # 269308 County: CITRUS District: SOUTHWEST DISTRICT
Name of Project: GUTTER SYSTEM, DITCH CROSSING BY SOIL EXCAVATION
Name of Owner: CITRUS COUNTY B.O.C.G.
Name of Engineer: MICHAEL D. MOORE
Type of Project: CONSTRUCTION OF A DITCH CROSSING FOR ACCESS TO THE DISPOSAL AREA AND LINED DITCH DRAINAGE
Cost: Estimate \$ NONE Actual \$ 20,453.74
Site Design: Quantity: NA ton/day Site Acreage: NA Acres
Deviations from Plans and Application Approved by DEP: SOIL EXCAVATION FOR THE LANDFILL EXPANSION WAS NOT DONE

Address and Telephone No. of Site: P.O. BOX 167, LECANTO, FL. 34460 / (904) 746-5000

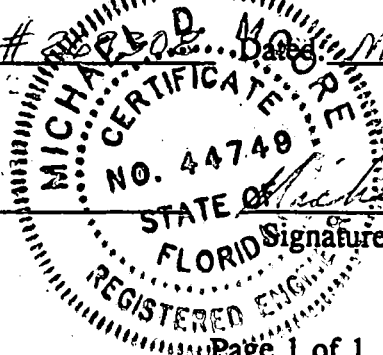
Name(s) of Site Supervisor: DAVID CHAMBLIN

Date Site inspection is requested: SEPT, 1995; COORDINATE W/ LEACHATE PLANT INSP.

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

Permit No.: MODIFICATION # 269308 Date: MAY 18, 1995

Date: 8-1-95



Signature of Professional Engineer

CITRUS CC CENTRAL I Phase 2 Exp:

Permit Appl and Engineer

COULD YOU
PER COMMIT
ON THEIR
FINANCIAL
INFORMATION
BY AUGUST 10
TAK
7/21/95

Prepared for
CITRUS COUNTY, FLORIDA

Prepared by
CHM HILL

May 22, 1995
FLE39450.03

WASTE MANAGEMENT TECHNICAL SUPPORT
ROUTING FORM

PERMITTED FACILITIES

To: Allison Amram, P.G.
Solid Waste Program
From: Ken Ford
Date: 7/20/95
Subject: CITRUS Chemical Landfill

Document Name: Operation Permit Renewal

Revision Number _____ County: Citrus

Facility Name: Same

Type of Facility: LF

Permit Number: S009-274381 Issue Date: Pending

Copy of Permit attached: _____

Document submitted in compliance with permit condition. _____

Document subject to permit timeclock. Yes

Day 1: 7/17/95

Day 30: 8/15/95

PATS sheet attached: Yes

Enforcement Case/CO/NOV/ associated with this site: _____

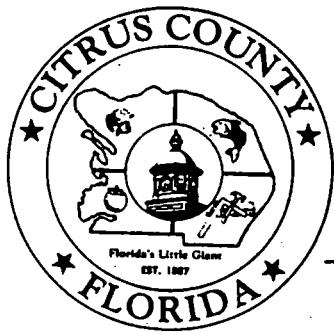
Files and related documents can be found Attached in Files

Please review and comment on the technical aspects of the attached document as you deem appropriate. In order to maintain progress with the permit review, please provide comments within 30 days or by August 10.

Comments: _____

Module _____

Attachments



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

July 18, 1995

RECEIVED
JUL 20 1995

Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

Kim B. Ford, P.E.
Solid Waste Section
Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

**RE: Citrus County Central Landfill
Permit No. S009-187229
Leachate Plant Modifications**

Dear Mr. Ford:

Enclosed are two copies of the correct form to report construction completion of the modifications to the leachate plant covered by Modification # 259264 to the referenced operating permit. These forms were prepared by David Weber, P.E. of Post, Buckley, Schuh and Jernigan.

We are request site inspection at your convenience during the week of July 31.

Yours truly,

Susan J. Metcalfe, Director
Division of Solid Waste Management

/cms

cc: Gary W. Kuhl, Dir. Dept. Public Works
Dave Weber, PBS&J

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

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(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 1600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 32-701-50000
Form Title Certification of Construction Completion
Effective Date May 18, 1994
DEP Application No. _____
Printed by DEP

Certification of Construction Completion of a Solid Waste Management Facility

D.E.P.
JUL 20 1995
SOUTHWEST DISTRICT
TAMPA

DEP Modification #259264

DEP Construction Permit No: SO 09-187229 County: Citrus

Name of Project: Citrus County Leachate Treatment Plant Improvements

Name of Owner: Citrus County

Name of Engineer: David A. Weber (PBS&J, Inc.)

Type of Project: Leachate Treatment Plant

Cost: Estimate \$ 90,000 Actual \$ 51,575

Site Design: Quantity: N/A tm/day Site Acreage: N/A Acres

Deviations from Plans and Application Approved by DEP: None

Address and Telephone No. of Site: (904)746-5000

Name(s) of Site Supervisor: Susan Metcalfe, Director Solid Waste

Date Site inspection is requested: WEEK OF JULY 31, 1995

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

Permit No.: SO-09-187229 Dated: 10/12/94 and 9/28/94
Modification No. 259264

Date: 7/11/95 
Signature of Professional Engineer





Florida Department of Environmental Protection
Twin Towers Office Bldg. • 7600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 30-201-50000
Form Title Certification of Construction Completion
Effective Date May 19, 1994
DEP Application No. _____
Printed by DEP

Certification of Construction Completion of a Solid Waste Management Facility

D.E.P.
JUL 20 1995
SOUTHWEST DISTRICT
TAMPA

DEP Modification #259264

DEP Construction Permit No: SO 09-187229 County: Citrus

Name of Project: Citrus County Leachate Treatment Plant Improvements

Name of Owner: Citrus County

Name of Engineer: David A. Weber (PBS&J, Inc.)

Type of Project: Leachate Treatment Plant

Cost: Estimate \$ 90,000 Actual \$ 51,575

Site Design: Quantity: N/A tsm/day Site Acreage: N/A Acres

Deviations from Plans and Application Approved by DEP: None

Address and Telephone No. of Site: (904)746-5000

Name(s) of Site Supervisor: Susan Metcalfe, Director Solid Waste

Date Site Inspection is requested: WEEK OF JULY 31, 1995

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

Permit No.: SO-09-187229 Dated: 10/12/94 and 9/28/94
Modification No. 259264

Date: 7/11/95

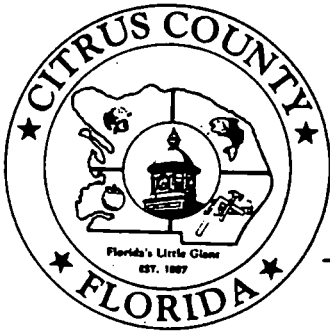
Signature of Professional Engineer

Page 1 of

No. 29323

STATE OF
FLORIDA

PROFESSIONAL ENGINEER



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

D.E.P.

JUL 17 1995

SOUTHWEST DISTRICT
TAMPA

July 10, 1995

Kim B. Ford, P.E.
Solid Waste Section
Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Citrus County Central Landfill
Operation Permit Renewal
Permit No. S009-187229

Dear Mr. Ford:

Enclosed is a check in the amount of \$10,000 to cover the application fee to operate the referenced site. Thank you for your willingness to review the previous submittal which included both construction of Phase 2 and operation of the site for operation aspects only.

If you have any questions, please contact me.

Yours truly,

Susan J. Metcalfe, Director
Division of Solid Waste Management

/cms

cc: Gary W. Kuhl, Dir. Dept. Public Works

Facilities Maintenance
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Lecanto, Florida 34460
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Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

I N T E R O F F I C E M E M O R A N D U M

Date: 18-Jul-1995 04:04pm EST
From: Kim Ford TPA
FORD K
Dept: Southwest District Offi
Tel No: 813/620-6100
SUNCOM: 542-6100 Ext. 382

TO: Robert Butera TPA

(BUTERA_R)

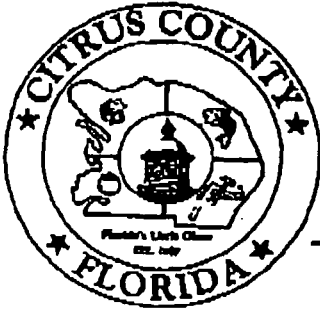
Subject: CITRUS COUNTY LANDFILL ISSUES

I spoke with Ms. Metcalfe today at 2:30. She mentioned the WT permit application, WWTP certification, and DEP's RFI for the tank. After these we discussed the landfill. I told her that Specific Condition #38 requires notification when a system fails such as on July 3rd when leachate was observed in the stormwater DRA.

I said we expect to see outside slopes with 18" of intermediate cover and grass. She said this will be done but does not know of any requirement for grass on the sideslopes. I explained that if what they are doing doesn't work then other methods are required, and the leachate discharge could have been addressed in an NOV and must be prevented.

I explained the need for surface drainage from unused disposal areas. Ms. Metcalfe said Mr. Moore is designing this.

I requested a slope stability analysis for the north slope to demonstrate that this slope will not fail when subject to rain infiltration and additional filling. She said she will discuss this with her consultants.



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

Reply To:

Div. Solid Waste Mgmt.
Susan J. Metcalfe, Director
904/746-5000
FAX: 904/527-1204

TIME:

4:30

NO. PAGES:

3

including cover sheet

TO:

Bob Butera

DEP

813/744-6125

FROM:

Susan Metcalfe
c/o Cathy Winter

RE:

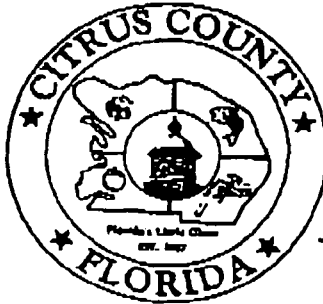
MESSAGE:

Facilities Maintenance
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(904) 746-5000 Fax 527-1204



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

MEMORANDUM

MEMO TO: Gary Kuhl, Director, Public Works Department
FROM: Susan Metcalfe, Director, Solid Waste Management Division
DATE: June 7, 1995
SUBJECT: DEP Regulations

In response to the memo from Steve Wylie concerning the "Reality Check" workshop held recently by representatives of DEP, I have listed the items the Solid Waste Management Division would like to reiterate.

We have discovered through participation in our regional solid waste group that certain parts of Chapter 62-701 (the solid waste management facilities rule) are not evenly enforced between districts. For example, Marion County operates remote drop-off sites for both waste and recyclables without major facility permits and does not have leachate collection systems at such sites. The district with which we work, demanded that if we were to establish such sites, that they have full facility permits for each site and that they include leachate collection systems. Additionally, the requirements for the amount and nature of daily cover are interpreted differently in the two districts. Marion regularly reuses cover, resulting in mixing minor amounts of waste with cover which is allowed by their district. Last year we attempted such a method and were cited at our next inspection.

A second comment is that we frequently see the Department acting primarily as an enforcer rather than working toward solutions when problems are encountered. Particularly when local governments who are supported by the same taxpayers as the Department are involved, the only losers are those taxpayers that pay twice. For example, when the landfill leachate treatment plant did not perform according to the permit, the response from DEP was to order it shut down with an unreasonable deadline and then to suggest fines. The County responded as quickly as possible to make the arrangements for off-site treatment and repair of the plant and still faced permitting delays from DEP personnel in the same office, with fines proposed related to the delays. This item is still not resolved.

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Lecanto, Florida 34460
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YAO 06
JUN 1995

DEF Regulations

Page 2

The third comment is that the increase in regulations seems perpetual. Never have we seen regulations result in a decrease in capital or operating expenses. Except for recycling and litter, the "feel good" programs, no financial support is received for any of these additional expenses. We have spoken out against those proposed regulations which may be unnecessary, for example, yard waste composting. Our citizen-customers, who have little recognition of the level of regulation we work under, bear the cost while staff and commissioners take the heat.

One positive comment is that we have, on some minor permitting items, seen a better level of cooperation from Department staff in review of those applications.

/cms

P 648 754 751



Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to	
Bd of Co Commts/Citrus	
Street & No.	
RE: Citrus Co Central	
P.O., State & ZIP Code Landfill	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	
SW 7/10/95	

PS Form 3800, June 1990



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

CERTIFIED #
P-648-754-751

July 10, 1995

Date

Dear Applicant:

RE: Citrus County Central Landfill
Permit #S009-187229

This is to acknowledge receipt of your application, and to advise that effective April 30, 1995 the Department amended its permit fee rule, Section 62-4.050, Florida Administrative Code. We are returning the information you submitted and have enclosed a copy of the fee schedule.

The application fee for your project is now \$10,000.00. The fee you submitted, \$ -0-, is being returned. The Department cannot commence processing your application until the correct fee is received.

If you want to have the application processed, you must submit the proper fee within ten days of receipt of this letter. If the correct fee is not received within this period, the Department is required by law not to process the application and to return it to you. If you wish to have your application returned, you must pick it up at our office within the next thirty days.

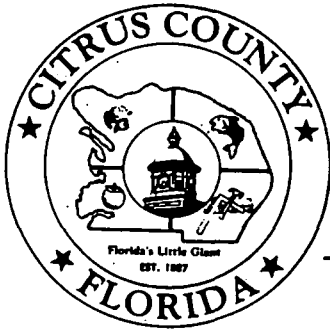
If you have any questions regarding this matter, please contact the following section at 813-744-6100:

- ☐ Air Section (extension 107)
- ☐ Industrial Waste Section (extension 402)
- ☐ Hazardous Waste Section (extension 388)
- ☐ Domestic Waste Section (extension 305)
- ☐ Dredge and Fill Section (extension 429)
- ☐ Ground Water Section (extension 334)
- ☐ Underground Injection Control (extension 334)
- ☒ XXX Solid Waste Section (extension 382)
- ☐ Potable Water Section (extension 340)

Very truly yours

Richard D. Garrity, Ph.D.
Director of District Management

RDG/ajk



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

July 5, 1995

D.E.P.

JUL - 7 1995

SOUTHWEST DISTRICT
TAMPA

Kim B. Ford, P.E.
Solid Waste Section
Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Citrus County Central Landfill
Permit No. S009-187229
Operating Permit Renewal Status

Dear Mr. Ford:

As we discussed last week, the construction and operating permit application previously submitted to your office will need to be revised to an operation only application. We appreciate your offer to review the information submitted and select the pertinent sections only. As of this date your office should have received: Groundwater monitoring plan prepared by HYDRO Q; Permit application and Engineering Report; Operations Plan, parts or all of which are still pertinent. In addition you should have: Construction Drawings and Technical Specifications for Phase 2; Lining Construction and Quality Assurance Plan, all of which are no longer applicable. We understand that as a part of our response to your first review comments that we will need to revise those operating permit submittals.

We have ordered a replacement check to cover the appropriate fee (\$10,000) for an operating permit. This will be delivered to your office as soon as it is available.

We also understand that a separate application for the tire processing/recycling facility must be submitted. This will be prepared by County staff and submitted, with its permit application fee by August 1.

Any modifications to the operating permit we anticipate needing for the next six to eight months will be consolidated and submitted as soon as possible, certainly before the permit expiration date. The items we now anticipate requesting include: a vertical expansion for Phase 1; realignment of the entrance road to

Facilities Maintenance
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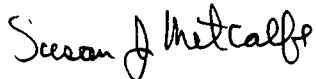
Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

Citrus County Central Landfill
Permit No. S009-187229
Operating Permit Renewal Status
Page 2

accommodate widening of SR 44; a temporary transfer facility if we anticipate any transfer station or disposal space construction to take longer than our current permitted area; offsite disposal by direct haul using route trucks as a contingency; and drainage modifications for both internal and external areas.

Please let me know if you have any questions.

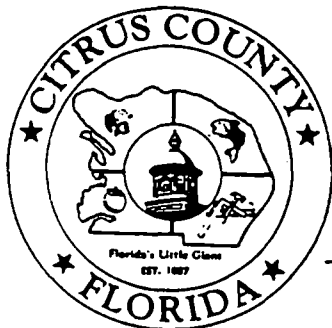
Yours truly,



Susan J. Metcalfe, Director
Division of Solid Waste Management

/cms

cc: Gary W. Kuhl, Dir. Dept. Public Works
James W. Pinkerton, Dir. Dept. Technical Services
Michael D. Moore, Projects Manager
Thomas E. Fears, Engineer III
John J. Wood, CH2M Hill



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

D.E.P.

Fax (904) 746-1203

MEMORANDUM

JUL 10 1995

July 6, 1995

SOUTHWEST DISTRICT
TAMPA

TO : Anthony L. Shoemaker, County Administrator

FROM : Gary W. Kuhl, Director Department of Public Works

SUBJECT: Meeting with FDEP--Proposed Landfill Phase IA

John Wood of CH2M Hill, Susan Metcalfe and I met with Robert Butera and Kim Ford, FDEP in Tampa on June 29. We discussed the proposed design, permitting, construction and operation of the Phase IA landfill concept.

Phase IA is proposed to utilize the existing excavated landfill area for long term disposal of Class III solid waste. The remaining area to be lined beyond Phase I would be accomplished in one or more phases. A transfer station would be designed, permitted, constructed and, perhaps, operated through a turnkey contract. Class I waste would be hauled to Pasco County for incineration.

Initial comments by the FDEP staff are:

- 1) The concept is acceptable from a permitting standpoint. Naturally, this assumes stormwater management and other physical considerations can be adequately designed and addressed.
- 2) Construction of Phase IA is limited to two or, possibly, three sub-phases. This is due to stormwater management considerations and haul road configuration.
- 3) The recently completed "operating plan" for Phase II can be submitted for FDEP review with the understanding that Part G of the document which includes specific drawings of the Phase to be permitted, will need substantial modification for a Phase IA permit.
- 4) Once installed, the double-liner system is "exempt" or "grandfathered" from any new regulatory requirements. However the liner must be in place--a completed permit application submitted to FDEP will not "grandfather" the liner in the event of a rule change prior to construction of the facility.
- 5) With the expected long life of Phase IA, the liner may need some protection from ultraviolet light exposure. A sacrificial cover may be required for liners exposed for long periods of time to sunlight.

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Solid Waste Management
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Page 2

7/7/95

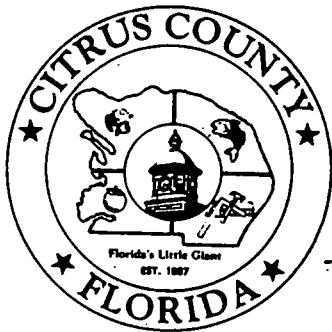
To: A. L. Shoemaker

Re: Meeting with FDEP - Proposed Landfill Phase IA

- 6) Assuming structural integrity can be maintained, a "high-rise" on top of existing Phase I can be permitted via a minor permit modification. The proposed modification must be submitted to FDEP prior to October 1, 1995 to beat the expiration date of the existing permit. If submitted after October 1, expect delay until the new operating permit is issued--as long as six months.
- 7) A simple on-site transfer station permit application can usually be reviewed by FDEP within 30 days of receipt. The cost for the general permit is \$250.
- 8) Recycling goals need to be addressed through Tallahassee FDEP.
- 9) The proposed plan for Phase IA will qualify as an "open" landfill with no short term closure or partial closure requirements.
- 10) Previous letter from Robert Butera regarding temporary hauling from the landfill floor still applies.

Our meeting with FDEP was productive. Mr. Butera and Mr. Ford were very positive and helpful. Their manner and assistance is much appreciated. Please let me know if you have any questions.

cc: Steven J. Wylie, Assistant Co. Admn.
Larry Haag, County Attorney
Gary Herndon, Finance Director
Susan Metcalfe, Director SWM
Robert J. Butera, Solid Waste Manager, FDEP
✓ Kim B. Ford, Solid Waste Section, FDEP
John Wood, CH2M Hill



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

July 3, 1995

Ms. Allison Amran
Environmental Specialist
Department of Environmental Regulation
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Citrus County Central Landfill
Permit No. SO09-187229
Leachate Treatment Plant Effluent Guidelines

Dear Ms. Amran:

According to Specific Condition 13b of the referenced permit, certain criteria must be met in the effluent from the leachate treatment plant in order to consider onsite disposal. We raised a question related to the "acceptable CBOD5:COD ratio" this week and your response was 6 to 1. I would like to clarify that number. Since the CBOD5 maximum is 20 mg/l, is the coordinated maximum COD 3.33 mg/l? Reviewing previous results from the plant and in discussion with ZIMPRO can County plant operation personnel, we are wondering if the ratio is the inverse, 20 mg/l CBOD5 to 120 mg/l COD as maximum values. Further, we would like to discuss the basis for this ratio with DEP staff so that we can understand not only the goal but the reasoning behind it. Also, if you can indicate whether this approach (acceptable ratio) has been used in other applications in either municipal wastewater or landfill leachate in this district or elsewhere in the State, we would appreciate information on those facilities/permits. Thanks for your help.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe
Director
Solid Waste Management

SJM:bes

cc: Gary Kuhl, Dir. of Public Works
Robert Merkel, Utilities Supervisor
Dave Beula, ZIMPRO

RECEIVED
JUL 05 1995

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

*forwarded to Jay T,
7/5/95 AA*

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(904) 746-6888 Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

SITE INSPECTION REPORT

NAME OF SITE: CITRUS LANDFILL DATE: 7/3/95
SITE ADDRESS/LOCATION: SR 44
CITY: LELAND PERMIT #: _____

REASON FOR VISIT:

- COMPLIANCE INSPECTION _____
- PERMITTING INSPECTION ✓
- COMPLAINT INVESTIGATION _____

PERSONS PRESENT: SWAN METCALFE, MIKE MOORE,
KIM FORD

SUMMARY REPORT:

WE DISCUSSED DRAINING STORMWATER OFF
5 ACRES INSIDE THE LANDFILL. THE AREA
IS FLAT. I ADVISED NOT TO EXCAVATE
SMALLS BELOW SURFACE INTO LEACHATE ZONE.
NO LEACHATE OBSERVED ON 5 ACRES.
HOWEVER, 3-5 ACRES OF SIDESLOPES ARE
NOT VEGETATED AND ARE WASHING AWAY.
LEACHATE WAS OBSERVED IN STORMWATER
DRA NORTH OF DISPOSAL AREA. I ADVISED
TO SEED / MOW OR SOO ALL OUTSIDE SLOPES.

VIOLATIONS NOTED: LEACHATE IN DRA

DEP REPRESENTATIVE: [Signature]



Lawton Chiles
Governor

Florida Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

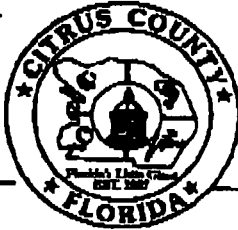
DATE: 6-29-95

TIME: 4:00 P.M.

SUBJECT: CITRUS COUNTY CENTRAL LANDFILL

A T T E N D E E S

Name	Affiliation	Telephone
<u>Bob Butera</u>	<u>FDEP</u>	<u>744-6100 X457</u>
<u>Susan Polz</u>	<u>"</u>	<u>X386</u>
<u>GARY KUHLE</u>	<u>CITRUS COUNTY</u>	<u>904 746 4107</u>
<u>John Wood</u>	<u>CH2M Hill</u>	<u>305/426-4008</u>
<u>Kim Forer</u>	<u>FDEP</u>	<u>1813/144-6100 X382</u>
<u>Susan Whitcalf</u>	<u>Citrus County</u>	<u>904 746-5000</u>



FILE COPY

**DEPARTMENT OF PUBLIC WORKS
DIVISION OF SOLID WASTE MANAGEMENT**

230 W. Gulf to Lake Highway • P.O. Box 340
Lecanto, Florida 34460-0340
(904) 748-5000 • FAX (904) 527-1204

April 7, 1995

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

**RE: Citrus County Central Landfill
Permit S009-187229
Operating Permit, Minor Modification Request**

Dear Mr. Ford:

Citrus County intends to implement several changes to the operating permit for the Central Landfill. These changes involve 1) implementation of a gutter system to intercept clean rainfall from the liner before it enters the soil cover or waste; 2) a change in timing for installation of a culvert for crossing the perimeter ditch; 3) installation of a double containment tank for storing leachate prior to treatment; and 4) excavation of soil for the Phase 2 expansion of the landfill.

Drawings (three sets each) for these projects are enclosed, with projects 1 and 2 on the same drawings, signed and sealed by Michael D. Moore, Citrus County Engineering Division; project 3 is on a separate set of drawings, signed and sealed by George J. McDonald and David Brittain of Berryman & Henigar; project 4 is on a separate set of drawings, signed and sealed by Gary Panozzo of CH2M Hill and George J. McDonald of Berryman & Henigar. A check in the amount of \$250 for review of this minor permit modification has been ordered and can be delivered by April 14.

GUTTER SYSTEM

The gutter system is designed to intercept rainfall from the liner and divert it to the stormwater system before it reaches the soil cover or solid waste beneath. The design shown is for current conditions; the concept is to retain a similar configuration throughout operation of Phases 1 and 2 and perhaps longer. The material that is proposed has an adhesive and theoretically can be re-placed at a higher elevation as filling advances. If the material is not practically reusable, but it is economically feasible to purchase new material, replacement would be with new. A copy of material specifications is enclosed.

Post-it® Fax Note	7671	Date	6/28/95	# of pages	3
To	Kim Ford		From	Susan Metcalfe	
Co/Dept	D.E.P.		Co.	C.C.S.W.M.	
Phone #	813-744-6100		Phone #	904-746-5000	
Fax #	813-744-6125		Fax #	904-527-1204	



Kim B. Ford, P.E.
Operating Permit, Minor Modification Request
Page 2

PERIMETER DITCH CROSSING

There is a temporary perimeter ditch crossing near the southwest corner of the site. Drainage is maintained in the ditch with a 24-inch diameter CMP. During construction and operation of Phase 2, access to the site for disposal by route trucks and bulky waste loads brought by citizens will shift from the current paved road along the north slope of the excavation to the southwest corner of the lined area. The original permit drawings for Phase 1 show the location and size of the permanent culvert for the perimeter ditch crossing near that point. Waste has not been placed to make the permanent crossing constructible as yet. We propose to extend the temporary culvert and use that location for access throughout Phase 2. No changes to the drainage basin which contributes to the perimeter ditch will occur until Phase 2 is filled above grade, several years from now. The permanent access road and culvert will be constructed concurrent with Phase 3. Both the above projects will be constructed with County personnel and should be in place before this year's rainy season.

LEACHATE HOLDING TANK

Specific Condition #41 of the permit requires that the leachate impoundment which has been abandoned, be replaced with a double contained facility. The proposed replacement is a concrete tank with secondary containment structure to be placed in the same location. This open-top divided tank, with aeration will provide up to 250,000 gallons of storage for leachate prior to treatment. The tank will receive underdrain leachate via a force main from all lift stations with a separate input line from surface leachate sources. As desirable for operational purposes, the surface and underdrain leachate can be segregated or mixed. The leachate will be pumped from the holding tank to the plant, into either reactor #1 or #2. Provisions have also been made for trucking from this point if necessary. This project will be advertised for bid this month. Construction should begin in July and take about 4 months to complete.

PHASE 2 EXCAVATION

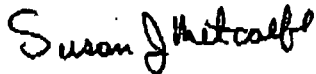
The Phase 2 expansion of the site is to be completed with two construction contracts. The first of these is for the major earthmoving as shown on the drawings provided. The excavated area will be expanded to the north approximately 300 feet and will involve both below grade excavation and removal of part of the existing soil stockpile. This project will be advertised for bid this month. Construction should begin in July and take about 4 months to complete.

Kim B. Ford. P.E.
Operating Permit, Minor Modification Request
Page 3

The second contract will be related to construction of the liner and leachate collection system. The full permit application for that work will be submitted in May. We hope to begin construction in January and be ready to accept waste in the completed Phase 2 when Phase 1 is expected to be filled to capacity, around September 1996.

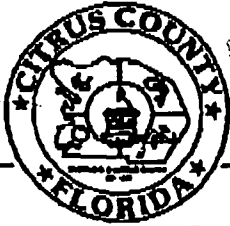
Please direct all administrative questions to me. Technical questions may be directed to the engineer for each project. I would appreciate concurrent notification of those questions. Thank you.

Sincerely,



Susan J. Metcalfe,
Director

cc: **Anthony L. Shoemaker, County Administrator**
Gary W. Kuhl, Dir. Dept. Public Works
Michael D. Moore, Projects Engineer
Gary Panozzo, CH2M Hill
John Wood, CH2M Hill
George McDonald, Berryman & Henigar

**CITRUS COUNTY PUBLIC WORKS**

1300 South Lecanto Highway • P.O. Box 167

Lecanto, Florida 32661

(904) 746-4107 • FAX (904) 746-1203

DATE:

June 27, 1995

TO:

Bob Butera

FAX No.

813-744-6125

Phone No.

813-744-6100 X 451

FROM:

Gary Kuhl

FAX No.

904-746-1203

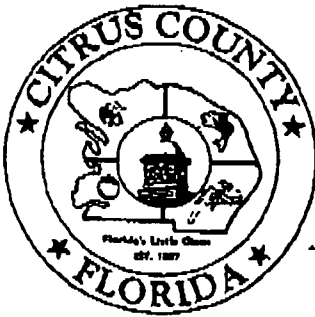
Phone No.

904-746-4107

Number of pages sent - including cover sheet

3

COMMENTS:



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

MEMORANDUM

June 22, 1995

TO : Anthony L. Shoemaker, County Administrator
and
Steven J. Wylie, Assistant Co. Administrator

FROM : Gary W. Kuhl, *GWK* Director Department of Public Works

SUBJECT: Outline of Activities for Solid Waste Management

Based on Commission action in their June 21 meeting, we have outlined a short-term list of items that need to be accomplished.

- 1) Meet with FDEP Solid Waste Management staff on June 29 to discuss the following (Susan Metcalfe and Gary Kuhl):
 - a) Contingency plans to increase the life of Phase I including stacking on top of existing Phase I, hauling from the floor of the landfill and/or contracting with current haulers to haul direct to Pasco County
 - b) Phased lining of the proposed Phase IA cell
 - c) Discuss revised permitting timing, application and fees
 - d) Discuss various alternatives for disposal of tire and yard waste including impact on State recycling requirements
 - e) "Grandfathering" of liner specifications
 - f) Transfer station permitting, public hearing requirements and timing (PUBLISH WITHIN 14 DAYS OF APPLICATION)
 - g) Closure and partial closure requirements as related to waste flow into existing landfill and proposed Phase IA - 180 DAYS
- 2) Meet on June 29 with Doug Bramlett, Public Works Director-Pasco County, to develop draft ten-year agreement to incinerate Citrus County waste at the Pasco County facility (Susan Metcalfe and Gary Kuhl):
 - a) Discuss Citrus County daily average tonnage to be delivered and "put or pay" language
 - b) Discuss Citrus County as a Pasco County "partner and citizen"
 - c) Discuss "new technology" clause
 - d) Establish tipping fee schedule
 - e) Discuss clause dealing with future environmental regulation and the impact on tipping fees
 - f) Discuss clause regarding future expansion of the incinerator and the impact on tipping fees
 - g) Discuss the legal ability of Pasco County to provide "exclusivity" to Citrus County

GET
MEMO
RJB/KF
JAN. 13, 1995

HAVE COPY

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
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Road Maintenance
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Lecanto, Florida 34460
(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

Printed on

Page 2

6/26/95

To: A. L. Shoemaker & S. J. Wyllie

Re: Outline of Activities for SWM

- h) Discuss timetable and procedure for approval of contract by both counties
- i) Discuss tipping fee credits for sale of electricity, recycle materials and ash reuse
- j) Discuss long term contract (20 to 25 years)
- 3) Meet with waste haulers to discuss hauling alternatives and impact of proposed Phase IA (Susan Metcalfe and Gary Kuhl)
 - a) Meet with haulers as a group
 - b) Meet with haulers individually
- 4) Meet with CH2M Hill to define Tasks for transfer station specifications, foregone cubic yards of space by constructing Phase IA and cash flow analysis for Phase IA (Susan Metcalfe, Gary Herndon and Gary Kuhl)
- 5) Revise FY 96 budget and CIP to meet premises for Phase IA proposal (Susan Metcalfe)
- 6) Develop time lines for Phase IA design, permitting, construction, lining, stormwater management, leachate collection and haul roads, develop time lines for transfer station design, permitting, construction and RFP for turnkey operation (Susan Metcalfe and Gary Kuhl):
 - a) Review with Staff
 - b) Review with BOCC

Please let us know if we have missed any elements or if you have any questions.

GWK:1sh

cc: Larry Haag, County Attorney
Gary Herndon, Finance Director
Ron Schultz, Property Appraiser
Susan Metcalfe, Director SWM

SOUTHWEST DISTRICT
CONVERSATION RECORD

Date 6/26/55
Time 4:55

Subject GW Issues / Leachate

Permit No. _____

County Citrus

M. Susie Metralf

Telephone No. 904/746-5000

Representing Citrus Co Solid Waste

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

Other Individuals Involved in Conversation/Meeting

- Returned her earlier phone call
- GW reports will be on their way in 2 weeks
(due 7/15)
- MW-E needs test site ID no.

- Leachate - treatment is going well. She
has the cert. of construction completion
- Needs ~~BOD~~ BOD/COD ratios - she
would like guidance Spec Condition #13b
and will check w/ Ray T. Working on COD
She will send me one month of leachate
data @ once. Expect leachate data
by end of July

COD:BOD₅ - 1-1.5 (CBOD₅:COD .6-1)
higher ratio

(continue on another
sheet, if necessary)

Signature Allison Amram
Title PGI

want to ensure that COD is biodegradable
ratio .2 means only 20% COD is biodeg.
That's a problem

BOD should be near 1 (ideal)

- wanted to sample after each stage to
eval. use of 2nd stage

Times

SUNDAY, JUNE 25, 1995

Bob RD
K. M.
Steve
Steph
Susan

Landfill worries can't be carted off

■ The county may someday export most of its trash to Pasco's incinerator, but its landfill remains an environmental threat.

By JEFFREY BRAINARD
Times Staff Writer

LECANTO — If and when Citrus County starts shipping trash to Pasco County's incinerator, residents here can look forward to less smell from the county landfill.

Maybe even fewer sea gulls.

But anyone who thinks the trash will be out of sight and out of mind should think again. The county can't export the environmental headaches connected with its landfill.

For several years, tests have shown levels of hazardous chemicals above state limits in monitoring wells just to the west of the landfill.

County officials say there's probably no threat to people, because the relatively small amounts of contaminants are probably diluted and absorbed before they could reach the nearest private wells about 1,000 feet to the north.

In addition, groundwater flows underneath the landfill to the west, where there is only vacant state forest.

Nevertheless, the state Department of Environmental Protection recently directed the county to do more extensive tests, which could lead to a potentially expensive cleanup.

"They have a problem, but we don't know how big it is right now," said DEP geologist Allison Amram.

The news is a reminder that even a dormant landfill presents an environmental threat. The contaminants are a legacy of years of dumping in a section of the landfill that was never protected by a plastic liner, as landfills built today must be.

Ending months of indecision, the Citrus County Commission last week finally committed to a newer

Please see **LANDFILL** Page 8

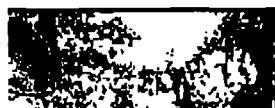
Post-it® Fax Note	7671	Date	6/27/95	# of pages	3
To	ALLISON AMRAM	From	SUSIE METCALFE		
Co./Dept.	DEP	Co.	I.S.W.M.		
Phone #		Phone #	904/746-5000		
Fax #	813-744-6025	Fax #	904/527-1204		



Times photo — STEVE HABEL

ok for the positives in situations and people. . . . That's the style I always believed in. . . . I think it works," Hughes said.

Forward to his new job



As he comes into Citrus, the job he will hold has recently been redefined by the school district. While he still will oversee all school district operations, Maher will have more responsibility for

The landfill's early warning system

rward to his new job



photo — ROBERT ROGERS
dressed himself in
a job as assistant
of operations.

Ohio and move to
tions open at the time
istration, but Citrus
him to their counter-

89 and served several
ndent for instruction.
red to assistant super-
erations.

As he comes into Citrus, the job he will hold has recently been redefined by the school district. While he still will oversee all school district operations, Maher will have more responsibility for being out in the district's schools and working more directly with school administrators and staff.

Maher, 46, describes his role as an educator this way: "I try to be a true professional and commit to excellence."

On his resume he lists various projects he participated in while working in the Hernando schools, including establishing a variety of student programs, securing numerous grants, and developing a school building and preventive maintenance program.

Another insight into his philosophy of education comes from a guest column he wrote for the *Times* in 1991. In it, Maher outlined programs that had benefited Hernando students in recent years and the student success stories.

He wrote about the need for the community to pull together and continue to build on strengths and be proud of accomplishments.

"In a desire to improve, we can sometimes become our own worst obstacle," Maher wrote. "Seeking excellence is everyone's goal. Being negative is not part of the problem-solving process and only serves to divide."

"A community must hold its school system as the number-one priority. It sets the tone for the future of our children and makes a statement about the well-being of the community and our desire to attract new residents and businesses," he wrote.

"We need to listen closely to the message we send about our community and our schools. Schools are indeed a reflection of the community they serve."

Please see **JOB** Page 8

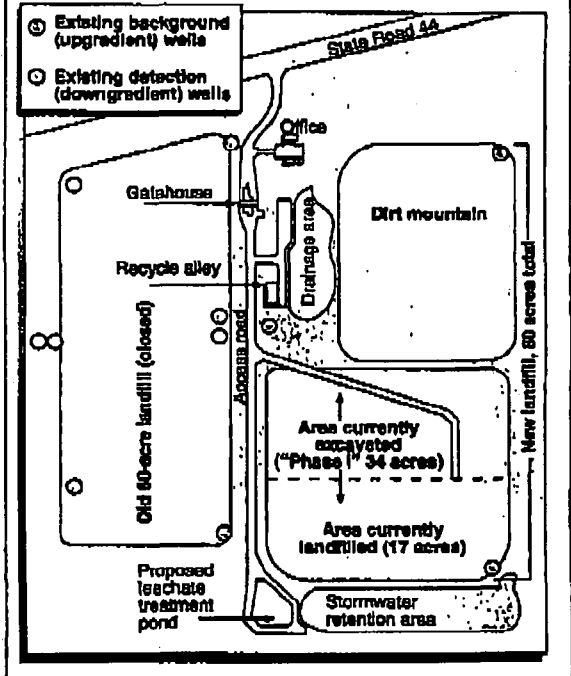
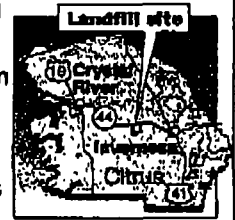
LANDFILL
COMMISSION

LANDFILL OF INDICATION, THE LANDFILL COMMISSION
at week finally committed to a newer

Please see **LANDFILL** Page 8

The landfill's early warning system

The landfill is surrounded by 11 monitoring wells to pick up any contamination flowing underground. Four wells, shown in blue, measure presumably untainted groundwater as it flows from the east. The other seven, shown in red, would register groundwater as it picks up pollutants.



Times art

Artists earn their shot at fame

column about Gamble
Lean, and why they
a Artists Hall of Fame.
is also about Doug
persuasive guy who
you would rather not
with, but is actually a
asn't forget his friends

nd him perform public-
s *Welcome to Florideo*,
e in live performance
McLean, and I heard
had with those two
ames are bywords in
lk music and storytell-

o both men and now
alls the Snipes Ford
loosely knit group of



OFF/BEAT

**JAN
GLIDEWELL**

supporters of Florida folk traditions.

Snipes Ford was a mythical town that Rogers described as "so primitive the Rabbi's name was Bubba and the Baptist Church had its own SWAT team."

When he isn't working or performing, it's not unusual to find Gauss championing some cause or another. The last time I wrote about him he was leading a — so far unsuccessful — movement to have *Old Folks At Home* removed as the Florida State Song.

The song was written for a minstrel show by Stephen Foster, who had never seen the Suwannee River and who was more concerned with rhyme scheme and the arrangement of consonants than with a fair representation of Florida, its beauty or its residents. And the legal, official version is written in a thick, archaic pseudo-dialect that purports to be African-American.

The entire effect, one African-American co-worker of mine once said, "sounds a lot more like some white person's idea of the perfect ending for *Gone With the Wind*."

Gauss is a former state employee who still works in a state capital where the governor has been known to wear a Davy Crockett hat, refer to himself as a "he-coon," and fire a potato gun so that media.

Please see **GLIDEWELL** Page 2



McLEAN



ROGERS

Please see GLENNELL Page 2

about him he was looking a — so not much
 cessful — movement to have Old Folks At
 flows removed as the Florida State Song.

was close to both men and now
 for what he calls the Super Ford
 real Society, a mostly both group of

8 TIMES ■ SUNDAY, JUNE 25, 1995 CI

Landfill

course for handling the county's trash: shipping 90 percent of it to Pasco's incinerator.

The Citrus commissioners have said they believe residents who moved here for the county's natural splendor would rather not continue a practice that seems not far removed from cave dwellers piling bones in a corner of their cave.

But this decision was mostly motivated by economics, not tree-hugging.

Commissioners have emphasized that a long-term contract with Pasco will be more economical because of rising costs for Citrus to continue expanding its landfill.

"When the dollars got closer together, that's when the philosophical decision (to avoid further landfilling in Citrus) became easier," said County Commissioner Gary Bartell.

County staffers now have to negotiate a contract with Pasco officials, who have expressed interest in having Citrus County as a customer at its underutilized burn plant.

The landfill's mountain effect on the environment stems from the oldest, least safe part: a 60-acre section the county operated from 1975 to 1988.

A 17-acre expansion section was built in 1990 under new state rules that required a plastic liner. But it will reach capacity next year.

If Citrus sends trash to Pasco, it won't entirely be out of the trash business. The commissioners agreed to expand the 17-acre section to give the county an emergency backup. The expansion also will take refuse, such as tires and construction debris that the Pasco incinerator doesn't accept.

This final phase of the landfill is predicted to last the county another 50 years.

Because of strict state rules, it must now be built with two plastic liners separated by an impervious layer of clay.

Although that's considered state-of-the-art, most experts agree even that isn't a 100 percent guarantee against contamination. There can't be.

Tests showed landfill was seeping high levels of nitrates

■ Repairs to the leachate treatment plant to correct an inadequate design have solved the problem, a Citrus County official says.

BY JEFFREY BRADNARD
 Times Staff Writer

LECANTO — Not all of Citrus' environmental problems come from the old, unlined part of the landfill.

Tests last year showed the landfill's leachate treatment plant was discharging up to 25 times the permitted levels of nitrates, which at high concentrations can cause health problems in infants. The plant's discharge seeps immediately into the ground.

Leachate is rainwater that picks up contaminants

agents before seeping out the bottoms of the old and new landfills at about 30,000 gallons a day.

Repairs to the treatment plant were successfully completed recently, said Susan Metcalfe, the county's director of solid waste. The plant is now discharging nitrates at less than one-hundredth the level allowed by the state.

Because the problems stemmed from an inadequate design, the county negotiated a settlement to split the repair bill with the plant's manufacturer, Zimpro, and the engineering firm that designed it, Post, Buckley, Schuh & Jernigan.

However, the state Department of Environmental Protection has ordered three months of tests on the plant before it will allow the plant to go back into operation. In the meantime, the treated leachate will continue to be trucked to the Brentwood sewage plant for additional treatment as a precaution.

"There's always a risk," said Susan Metcalfe, the county's director of solid waste.

That's why the unlined section, the old landfill, presents a particularly high risk.

To measure that threat, the site is surrounded by 11 test wells that allow regular monitoring of groundwater to detect any pollution coming from the landfill. Groundwater in the area flows from east to west.

The contaminants have shown up in the two wells west of the old landfill.

They include vinyl chloride, a byproduct from the breakdown of some solvents, and benzene, an ingredient in gasoline.

The vinyl chloride was at three times the state's allowed maximum of 1 milligram per liter, while the benzene was at that limit.

The state limit is based on safe drinking water standards. However, water-quality testing is generally done on wells a quarter-mile to a half-mile from suspected contamination, and there are none that close to the landfill.

Similar contaminants also have shown up in about 10 other landfills overseen by the Tampa office of the state Department of Environmental Protection. Some have been at lesser concentrations and

some were higher, said Antram, the DEP geologist.

The state can require polluters to pump contaminants from underground, but that generally doesn't happen unless concentrations of hundreds of milligrams per liter are detected, Metcalfe said.

If the concentrations in the Citrus landfill don't rise above current levels, the state will probably not require a cleanup, agreed Antram. "The concentrations they have now (are so low they) probably couldn't be cleaned up," because the technology isn't available, she said.

Nevertheless, there is some cause for concern. The state and county don't know how much hazardous material is in the old landfill, or how deep it goes.

"Whatever damage has been done, if any, is already there," County Commissioner Jim Fowler said.

No one knows, for example, that there isn't a cache of drums of hazardous waste that could be slowly leaking. Since Citrus was never an industrialized area, officials say that threat probably is not great.

In Citrus County, the Floridan Aquifer, the region's principal source of drinking water, is espe-

cially close to the surface — only about 90 feet below the Citrus landfill, Antram said. Water can easily flow down from the surface.

The most common solution involves covering the source of the pollution — and that already has been done. The old landfill was capped with a plastic liner and a layer of topsoil in 1991.

That means that rainwater is no longer washing through the trash and into groundwater below. "We would not expect it to get any worse," Metcalfe said.

For that reason, and because of the relatively low concentrations of contaminants turned up so far, Metcalfe said, "I think that right now we have as good a solution as you can have with a landfill."

Workers at the Citrus landfill currently inspect any suspicious loads at the gatehouse. And commercial haulers are subject to random inspections of three truckloads a week.

"I know it's a fear of many people that landfills will pollute their groundwater, and there are several places in Florida where that effect has happened," Metcalfe said.

"It's not something to be paranoid about, but it's something to be concerned about."

TO ALISON

DATE 6-21-95 TIME 12:46 P.M.
WHILE YOU WERE OUT

M R. JEFF BRAINARD

of ST. PETE TIMES / CITRUS

PHONE 904-860-7303
AREA CODE NUMBER EXTENSION

TELEPHONED	PLEASE CALL	WILL CALL AGAIN
RETURNED YOUR CALL	CALL IMMEDIATELY	
CAME TO SEE YOU	WANTS TO SEE YOU	

MESSAGE PLEASE CALL TODAY - WANTS
TO KNOW GENERAL INFORMATION ON
CITRUS' COUNTY'S GWM SYSTEM -
EXCEPTIVES, # OF WELLS, ETC.

3:45
left a
voice mail
message
BY [Signature]

DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEDIA HOT SHEET

Topic: Citrus^{LF} gw

Date: 6/21/95

Reporter: Jeff Brainard 904/860-7303

From (Newspaper, TV, Radio, etc.): St Pete Times/Citrus

Person Interviewed: Allison Amram

Phone: _____

Division/Bureau/Office: Waste Mgt/Solid & Haz / SW District

Questions asked: 1. Discussed groundwater quality at landfill - 2 areas of concern 1 down-
2. gradient of the unlined (old) landfill 2) area of leachate (treated effluent) perc ponds.
3. _____

Follow-up Needed? NO

Deadline: _____

Summary of Conversation (use back of page, if necessary):



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

June 16, 1995

Ms. Susan Metcalfe, P.G.
Citrus County
Solid Waste Management
Post Office Box 340
Lecanto, FL 34460-0340

Re: Leachate Treatment Facility
Permit No.: SO09-187229, Citrus County

Dear Ms. Metcalfe:

Certification of Construction Completion for the leachate treatment facility was received on June 7, 1995. Specific Condition #1 requires the County to "continue to provide off-site disposal of its leachate removed from the landfill to permitted wastewater treatment facilities prior to DEP approval of the certification". Approval will be delayed until compliance with Specific Condition #13 has been demonstrated. Specific Condition #13.b. requires the County to "demonstrate 3 consecutive months" of acceptable leachate treatment prior to authorization for on-site discharge. Please work closely with Ms. Allison Amram to ensure these conditions are complied with prior to on-site discharge. You may contact Ms. Amram at (813) 744-6100, extension 336.

Attached is the correct form to be used for certification of construction completion which is required for site improvements listed in Specific Condition #1. Please be advised that the deadline for completing several of these site improvements is June 30, 1995.

If you have any questions, you may call me at (813) 744-6100, extension 382.

Sincerely,

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

KBF/ab
Attachment

cc: Gary Kuhl, P.E., Citrus County
Robert Butera, P.E., FDEP Tampa
Allison Amram, P.G., FDEP Tampa



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

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

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: _____ County: _____

Name of Project: _____

Name of Owner: _____

Name of Engineer: _____

Type of Project: _____

Cost: Estimate \$ _____ Actual \$ _____

Site Design: Quantity: _____ ton/day Site Acreage: _____ Acres

Deviations from Plans and Application Approved by DEP: _____

Address and Telephone No. of Site: _____

Name(s) of Site Supervisor: _____

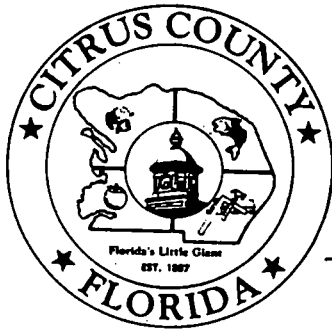
Date Site inspection is requested: _____

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

Permit No.: _____ Dated: _____

Date: _____

Signature of Professional Engineer



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

June 5, 1995

RECEIVED
JUN 07 1995

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

X
Kim B. Ford, P.E.
Solid Waste Section
Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

**RE: Citrus County Central Landfill
Permit No. S009-187229
Leachate Treatment Plant**

Dear Mr. Ford:

I am pleased to report the modifications to the Citrus County Central Landfill leachate treatment plant have been completed. These modifications were permitted under modification # 259264 to permit # S009-187229. Two copies of the "Notification of Completion of Construction for Wastewater Facilities" prepared by Post, Buckley, Schuh and Jernigan are enclosed.

We have initiated operation of the plant and produced the first batch of effluent on June 1. This material is being trucked to the Southern States Utilities wastewater plant in Sugarmill Woods and to the City of Inverness wastewater plant. At such time as the County-owned plants at Meadowcrest and Brentwood reach stable operation after expansion to those plants, they may receive effluent from the leachate plant as well.

In-house testing indicated a nitrate level of 10 mg/l in the first batch. The first independent laboratory results should be available within two weeks. During the required three month testing period, we propose to submit results at monthly intervals so you may begin review of the data and expedite approval of on-site effluent disposal.

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(904) 746-6888 Fax 746-1203

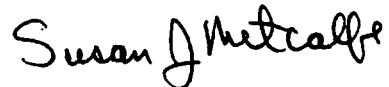
Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

Citrus County Central Landfill
Permit No. S009-187229
Leachate Treatment Plant
Page 2

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Susan J. Metcalfe".

Susan J. Metcalfe,
Director, Division of
Solid Waste Management

SJM:cms

cc: Anthony L. Shoemaker, County Administrator
Gary W. Kuhl, Dir. Dept. Public Works
Ralph L. Hedgecoth, Dir. Div. Utilities
Jay Thabaraj, DEP, Domestic Wastewater Section
John J. Wood, CH2M Hill



NOTIFICATION OF COMPLETION OF CONSTRUCTION FOR WASTEWATER FACILITIES

1. Instructions

- In accordance with Rule 62-620.610, F.A.C., this form must be submitted to the Department's appropriate district office or approved local program prior to placing a newly constructed facility or modified portion of an existing facility into operation for any purpose other than testing for leaks and equipment operation.
- Each applicable item must be completed in full. Where attached sheets or other technical documentation are used in lieu of the blank spaces provided, indicate appropriate cross-references in the spaces.
- Three (3) copies of this notification with supporting documentation shall be submitted with this form.
- All information is to be typed or printed in ink. Dates are to be entered in MM/DD/YR format.

2. Facility Information Modification #259264

- Permit Number S009-187229
- Facility Identification Number 4009C00086
- Project/Facility Name Citrus County Landfill
- Contact Name Susan J. Metcalfe, P.G. Director
Number and Street 230 W. Gulf to Lake Highway, P.O. Box 340
City/State/Zip Code Lecanto, FL 34460
Telephone (904) 746-5000

3. Description of Facilities to be Placed into Operation:

Leachate Treatment Plant

4. Description of Substantial Deviations from the Permit, Approved Preliminary Design Report, and Application Materials:

No substantial deviations

5. Implementation Dates

- Actual Date Construction Began 2/2/95
- Scheduled Date to Place Facilities into Operation 5/22/95
- Scheduled Date to Attain Operational Level * 8/22/95
- Scheduled Date to Submit DEP Form 62-620.910(13)¹ 11/22/95

* Demonstrate 3 consecutive months with acceptable leachate treatment

¹In accordance with Rule 17-620.610, F.A.C., DEP Form 17-620.910(13) Notification of Availability of Record Drawings and Final Operation and Maintenance Manuals for Wastewater Facilities must be submitted within six month after the facilities are placed into operation.

6. Certifications

a. Applicant or Authorized Representative

I certify that the statements made in this notification and all attachments are true, correct and complete to the best of my knowledge and belief. I agree to operate and maintain these wastewater facilities in such a manner as to comply with the provisions of Chapter 403, F.S., Chapter 62-600, F.A.C., and all other applicable rules of the Department. Further, an appropriate draft operation and maintenance manual which has been examined by a professional engineer as certified below is available and located at Landfill office and can be submitted upon request.

Susan J. Metcalfe
(Signature of Applicant or Authorized Representative²)

6/1/95
(Date)

Name (please type) Susan J. Metcalfe Company Name Citrus County
Title Director Company Address P.O. Box 340
Phone 904/746-5000 City/State/Zip Code Lecanto, FL 34460

b. Professional Engineer Registered in Florida

I certify that the facilities listed above have been completed to the point where the facilities are functionally complete. I further certify that construction on these facilities has proceeded substantially in accordance with the permit and the approved preliminary design report and application materials, or that deviations noted above will not prevent the system from functioning in compliance with all applicable statutes of the State of Florida and rules of the Department when properly operated and maintained. These determinations have been based upon on-site observation of construction, scheduled and conducted by me or by a project representative under my direct supervision, for the purpose of determining if the work proceeded in compliance with the permit and the approved preliminary design report and application materials.

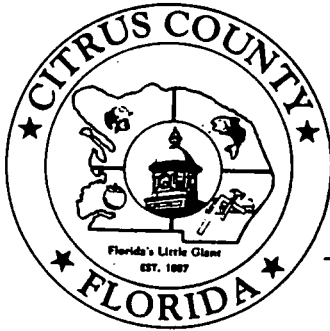
Post, Buckley,
Company Name Schuh & Jernigan, Inc. Name (please type) David A. Weber
Company Address 5300 W. Cypress St., Suite 300
City/State/Zip Code Tampa, FL 33607
Phone Number (813) 877-7275
(Seal, Signature, Date, and Registration Number)

c. Professional Engineer Registered in Florida

I certify that the draft operation and maintenance manual for these wastewater facilities has been prepared or examined by me or by individual(s) under my direct supervision and that there is reasonable assurance, in my professional judgement, that the facilities, when properly operated and maintained in accordance with this manual, will comply with all applicable statutes of the State of Florida and rules of the Department.

Post, Buckley,
Company Name Schuh & Jernigan, Inc. Name (please type) David A. Weber
Company Address 5300 W. Cypress St., Suite 300
City/State/Zip Code Tampa, FL 33607
Phone Number (813) 877-7275
(Seal, Signature, Date, and Registration Number)

²If signed by the authorized representative, attach a letter of authorization.



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

June 5, 1995

✓
Kim B. Ford, P.E.
Solid Waste Section
Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

**RE: Citrus County Central Landfill
Permit No. S009-187229
Vegetation on South DRA**

Dear Mr. Ford:

During your visit on July 3, you indicated you were satisfied with the vegetation established on the slopes of the south DRA at the site. This vegetation was established over mulch which stabilized the slopes. At your previous visit, you had indicated you would not accept the project as completed until you observed a full coverage of vegetation.

We believe that situation now exists and we would appreciate your approval of completion of the project. Thank you.

Yours truly,

Susan J. Metcalfe, Director,
Division of Solid Waste Management

/cms

cc: Gary W. Kuhl, Dir. Dept. Public Works

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(904) 746-6888 Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204



Bob RS
Pulley

NOTIFICATION OF COMPLETION OF CONSTRUCTION FOR WASTEWATER FACILITIES

1. Instructions

- In accordance with Rule 62-620.610, F.A.C., this form must be submitted to the Department's appropriate district office or approved local program prior to placing a newly constructed facility or modified portion of an existing facility into operation for any purpose other than testing for leaks and equipment operation.
- Each applicable item must be completed in full. Where attached sheets or other technical documentation are used in lieu of the blank spaces provided, indicate appropriate cross-references in the spaces.
- Three (3) copies of this notification with supporting documentation shall be submitted with this form.
- All information is to be typed or printed in ink. Dates are to be entered in MM/DD/YR format.

2. Facility Information Modification #259264

- Permit Number S009-187229
- Facility Identification Number 4009C00086
- Project/Facility Name Citrus County Landfill
- Contact Name Susan J. Metcalfe, P.G. Director
Number and Street 230 W. Gulf to Lake Highway, P.O. Box 340
City/State/Zip Code Lecanto, FL 34460
Telephone (904) 746-5000

3. Description of Facilities to be Placed into Operation:

Leachate Treatment Plant

4. Description of Substantial Deviations from the Permit, Approved Preliminary Design Report, and Application Materials:

No substantial deviations

5. Implementation Dates

- Actual Date Construction Began 2 / 2 / 95
- Scheduled Date to Place Facilities into Operation 5 / 22 / 95
- Scheduled Date to Attain Operational Level * 8 / 22 / 95
- Scheduled Date to Submit DEP Form 62-620.910(13)¹ 11 / 22 / 95

* Demonstrate 3 consecutive months with acceptable leachate treatment

¹In accordance with Rule 17-620.610, F.A.C., DEP Form 17-620.910(13) Notification of Availability of Record Drawings and Final Operation and Maintenance Manuals for Wastewater Facilities must be submitted within six month after the facilities are placed into operation.

6. Certifications

a. Applicant or Authorized Representative

I certify that the statements made in this notification and all attachments are true, correct and complete to the best of my knowledge and belief. I agree to operate and maintain these wastewater facilities in such a manner as to comply with the provisions of Chapter 403, F.S., Chapter 62-600, F.A.C., and all other applicable rules of the Department. Further, an appropriate draft operation and maintenance manual which has been examined by a professional engineer as certified below is available and located at Landfill office and can be submitted upon request.

Susan J. Metcalfe
(Signature of Applicant or Authorized Representative²)

6/1/95
(Date)

Name (please type) Susan J. Metcalfe Company Name Citrus County
Title Director Company Address P.O. Box 340
Phone 904/746-5000 City/State/Zip Code Lecanto, FL 34460

b. Professional Engineer Registered in Florida

I certify that the facilities listed above have been completed to the point where the facilities are functionally complete. I further certify that construction on these facilities has proceeded substantially in accordance with the permit and the approved preliminary design report and application materials, or that deviations noted above will not prevent the system from functioning in compliance with all applicable statutes of the State of Florida and rules of the Department when properly operated and maintained. These determinations have been based upon on-site observation of construction, scheduled and conducted by me or by a project representative under my direct supervision, for the purpose of determining if the work proceeded in compliance with the permit and the approved preliminary design report and application materials.

Post, Buckley,
Company Name Schuh & Jernigan, Inc. Name (please type) David A. Weber
Company Address 5300 W. Cypress St., Suite 300
City/State/Zip Code Tampa, FL 33607
Phone Number (813) 877-7275
(Seal, Signature, Date, and Registration Number)

c. Professional Engineer Registered in Florida

I certify that the draft operation and maintenance manual for these wastewater facilities has been prepared or examined by me or by individual(s) under my direct supervision and that there is reasonable assurance, in my professional judgement, that the facilities, when properly operated and maintained in accordance with this manual, will comply with all applicable statutes of the State of Florida and rules of the Department.

Post, Buckley,
Company Name Schuh & Jernigan, Inc. Name (please type) David A. Weber
Company Address 5300 W. Cypress St., Suite 300
City/State/Zip Code Tampa, FL 33607
Phone Number (813) 877-7275
(Seal, Signature, Date, and Registration Number)

²If signed by the authorized representative, attach a letter of authorization.

APPLICATION TRACKING SYSTEM

05/23/95

APPL NO:269308

APPL RECVD:04/17/95 TYPE CODE:SD SUBCODE:MM

LAST UPDATE:05/18/95

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:04/17/95

DER PROCESSOR:FORD

APPL STATUS:IS DATE:05/18/95 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:09

(Y/N) N OGC HEARING REQUESTED

LAT/LONG:28.51.08/82.26.38

(Y/N) N PUBLIC NOTICE REQD?

BASIN-SEGMENT:___

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:CITRUS CO. CENTRAL LANDFILL

STREET:SR 44

CITY:NA

STATE:FL

ZIP:_____

PHONE:_____

APPLICATION NAME:CITRUS CO. DEPT. OF TECHNICAL SERVS

STREET:1300 S. LECANTO HWY.

CITY:LECANTO

STATE:FL

ZIP:32661

PHONE:_____

AGENT NAME:_____

STREET:_____

CITY:_____

STATE:_____

ZIP:_____

PHONE:_____

FEE #1 DATE PAID:04/17/95

AMOUNT PAID:00250

RECEIPT NUMBER:00015343

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - - - / / / / /
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - / / / / /
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. - - - - - / / / / /
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
F DATE LAST 45 DAY LETTER WAS SENT - - - - - / / / / /
G DATE FIELD REPORT WAS REQ--REC - - - - - / / / / /
H DATE DNR REVIEW WAS COMPLETED - - - - - / / / / /
I DATE APPLICATION WAS COMPLETE - - - - - 04/17/95
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - - - - / / / / /
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - - / / / / /
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - / / / / /
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - - - - / / / / /
N WAIVER DATE BEGIN--END (DAY 90) - - - - - / / / / /

COMMENTS:

SYS\$REMT: 25828 Type: CP Recvd Date: 17-APR-1995 Status: RECEIVED
SYS\$RCPT: 15343 PNF Check #: 068085 Amount: 250.00
SSN/FEI#: Name: CITRUS COUNTY
First: Middle: Title: Suf:
Address1: PO_BOX_340 Short Comments:
Address2: L-CENTRAL LANDFILL
City: LECANTO ST: FL Zip: 34460-0340 Country:

P A Y M E N T (S)

	Distr	CL	Object	Payment	Reference#	Applic/	S
	Area...	Code/Description.....	Amount.....		Fund		T
							A
SYS\$PAYT	26744	SWD	002245 SOLID_WASTE-OPE	\$250.00	SO09269308	PFTF	CO

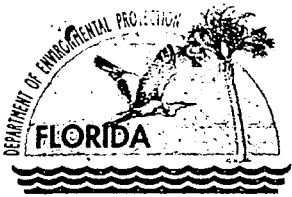
COMMIT FREQUENTLY \$250.00 Payment total

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

Count: *12

^ v

<Replace>



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

MAY 18 1995

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

Dear County Commissioners:

Enclosed is the modification to existing Operation Permit Number **SO09-187229**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, 32399-2400, 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 17-103.070, 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.

When the Order (Permit) 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, 2600 Blair Stone Road, Tallahassee, 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Citrus County Board of County
Commissioners
Permit No.: SO09-187229

MAY 18 1995

Page Two

Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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

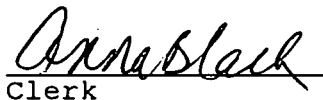
KBF/ab
Attachment

cc: Anthony Shoemaker, Citrus County Administrator
Larry Haag, Citrus County Attorney
Frank Schiraldi, Citrus County BCC
Gary Kuhl, Citrus County Public Works
Susan Metcalfe, P.G., Citrus County Dept. of Solid Waste
Kathy Anderson, FDEP Tallahassee
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
Allison Amram, P.G., FDEP Tampa

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies
were mailed before the close of business on MAY 18 1995 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

MAY 18 1995
Date



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

MAY 18 1995

PERMITTEE:

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

RE: Modification #269308

**Permit No.: S009-187229, Citrus County
Citrus County Class I Sanitary Landfill Expansion**

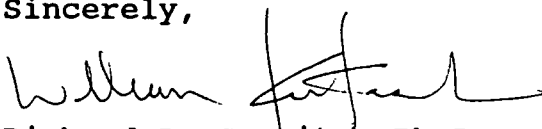
Dear County Commissioners:

We are in receipt of your April 17, 1995 request for permit modification. This modifies your solid waste operation permit #S009-187229.

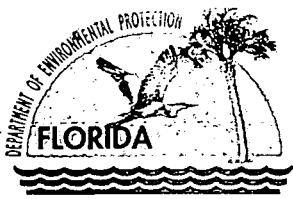
<u>SPECIFIC CONDITIONS</u>	<u>FROM</u>	<u>TO</u>	<u>TYPE OF MODIFICATION</u>
#1.	Existing	Amended	Gutter System, Ditch Crossing, and Soil Excavation

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

Sincerely,


for Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

RDG/kbfb
Attachments



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

PERMIT/CERTIFICATION

GMS ID No.: 4009C00086
Permit No.: SO09-187229
Date of Issue: 11/16/90
Expiration Date: 10/01/95
County: Citrus
Lat/Long: 28°51'
82°26'
Sec/Town/Rge: 1/19S/218E
Project: Citrus County
Class I Sanitary
Landfill Expansion

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-3, 17-4, 17-25, 17-28, 17-550, 17-701, 17-703 and 17-711. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To operate a solid waste Class I sanitary landfill (approximately 80 acres), referred to as the Citrus County Central Class I Landfill Expansion, subject to the specific conditions attached, for management and disposal of solid wastes and leachate treatment and disposal, near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida.

Replaces Permit No.: SC09-155514

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 403.859 through 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 personal 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 17-4.120 and 17-730.300, 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:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- () 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 that 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. This site shall be classified as a Class I landfill and shall be constructed and operated in accordance with all applicable requirements of Chapters 17-3, 17-4, 17-25, 17-28, 17-550, 17-701, 17-703, and 17-711, Florida Administrative Code, and all applicable requirements of Department rules. This permit is valid for improvements to the existing leachate treatment facility in accordance with the information submitted on October 14, November 28, and December 19, 1994; the recycling and transfer site in accordance with the information submitted on March 16, 1995; the gutter system, perimeter ditch crossing, and soil excavation for the landfill expansion in accordance with the information submitted on April 10, 1995; and in accordance with all applicable requirements of Department rules. These site improvements approved as part of this permit shall be completed by **June 30, 1995**, except that the soil excavation for the landfill expansion shall be completed by **December 30, 1995**. The leachate treatment facility is considered experimental. The County shall continue to provide off-site disposal of its leachate removed from the landfill to permitted wastewater treatment facilities prior to DEP approval of the certification of construction completion for the leachate treatment facility. The buildup of leachate within the landfill in excess of one foot over the liner shall be prevented. Leachate shall be managed in accordance with the requirements of F.A.C. 17-701.500(8). Each pump station 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 a replacement pump installed immediately. Leachate generation reports shall be compiled monthly and submitted to the Department quarterly by **January 15th, April 15th, July 15th and October 15th** each year. Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, stored or impounded, recirculated, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch. Leachate discharge to areas outside of the landfill or area surface water is not authorized by this permit and shall be considered a violation of this permit.

The operation of the recycling and transfer site shall comply with the following procedures:

- (1) Only residential customers shall use the facilities, that is, no solid waste collectors or commercial customers will be allowed to utilize the CCC's;
- (2) All CCC's shall have an attendant 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 station is closed;
- (3) Only roll-off containers and/or dumpsters shall be utilized for waste disposal. No compactors of any type shall be used at the site; and

SPECIFIC CONDITIONS:

- (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.

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. Fuel storage shall comply with FAC Chapter 62-761, 62-762, and 40 CFR 280 and 281. Discharges are not allowed and are subject to FAC Chapter 62-770 for cleanup.

Amended 01/31/95, 03/31/1995, MAY 18 1995.

2. 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. As required by F.A.C. 17-701.500(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 vehicles discharging waste. 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.
Amended 01/31/95.

3. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall prevent the creation of nuisance conditions on adjoining property.

4. The permittee shall not allow the disposal of hazardous waste at this site. Hazardous waste is a solid waste identified by the Department as a hazardous waste in Chapter 17-30, Florida Administrative Code.

5. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. Section 17-701.060, and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means those wastes that require extraordinary management. They include, but are not limited to: abandoned automobiles, white goods, used tires, waste oil, sludges, dead animals, agricultural and industrial wastes, septic tank pumpings, and infectious and hazardous wastes. Sludges which may be hazardous due to their chemical composition should be disposed of in accordance with F.A.C. Section 17-701.040(4). Disposal of Grade III Domestic Wastewater Treatment Sludge, disposal of domestic septage, and disposal of food services sludge, shall be in accordance with F.A.C. Section 17-7.540(6).

SPECIFIC CONDITIONS:

6. The landfill shall have a surface water management system, operated and maintained to prevent surface water flow onto waste filled areas, and a stormwater runoff control system, operated and maintained to collect and control stormwater to meet requirements of Florida Administrative Code Rule 17-25 and requirements of the respective water management district.

7. Stormwater or other surface water which comes into contact with the solid waste or mixed with leachate shall be considered leachate, and shall be treated to meet applicable standards of Florida Administrative Code Rules 17-3, 17-4, and 17-601 at the point of discharge.

8. At least 30 days prior to performance of any sampling or analysis as required by this permit, the permittee shall provide proof that field and laboratory work done in connection with your routine groundwater monitoring is conducted by a firm possessing a general Quality Assurance Project Plan or a comprehensive Quality Assurance Plan approved by the Department. The Comp QAP must specifically address the sampling and analytical work that is required by the permit. The plan shall be required from all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit.

9. Evidence of methane gas buildup or migration may necessitate installation of measures to control such buildup and/or migration in addition to those proposed.

10. An adequate Quality Control Plan shall be submitted to the Department, c/o Solid Waste Section, Southwest District Office, 30 days prior to any new liner installation/construction. The Quality Control Plan shall include installation/construction personnel, all specifications and construction methods and liner testing procedures and sampling frequency. The liner material proposed for use shall be completely described. Laying of the liner shall comply with specific standards that are fully defined in the Quality Control Plan. An acceptable method of testing for pinholes and method for removing or patching pinholes and defective areas shall be completely described. Sampling and testing shall be conducted in the field during construction and after completion by qualified personnel under the direction of the professional engineer in charge to assure the liner will meet the performance standards.

SPECIFIC CONDITIONS:

11. At least 30 days prior to any new liner installation/construction, the permittee shall submit a construction schedule or chart to include the following activities:

- A. Beginning of liner installation/construction.
- B. Completion of liner installation/construction.
- C. Beginning of leachate collection/removal system construction.
- D. Completion of leachate collection/removal system construction.
- E. Beginning of any new leachate treatment/disposal system.
- F. Completion of any new leachate treatment/disposal system construction.

12. 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 Southwest District office of the Department of Environmental Protection.

13. a. During the construction of the modifications to the ZIMPRO leachate treatment plant, the treated leachate (effluent) shall be disposed of at an off-site wastewater treatment plant. The permittee should test for those parameters necessary to adjust the treatment system for effective leachate treatment.

b. Prior to requesting authorization for on-site discharge into the percolation ponds, the permittee shall demonstrate 3 consecutive months of acceptable leachate treatment. Acceptable leachate treatment shall meet the following criteria:

Parameter	Unit	Minimum	Maximum	Frequency
flow	gpd	N/A	30,000	Daily
pH	STD UN	6.00	8.50	Daily
Chlorine Residual	mg/l	N/A	N/A	Daily, if using chlorine
CBOD ₅	mg/l	N/A	20	Weekly
COD	mg/l	(acceptable CBOD ₅ :COD ratio)		Weekly
TSS	mg/l	N/A	20	Weekly
Total Phosphorous	mg/l	N/A	N/A	Weekly
Ammonia Nitrogen	mg/l	N/A	N/A	Weekly
Nitrate-N	mg/l	N/A	12	Weekly
Total Nitrogen	mg/l	N/A	N/A	Weekly
Fecal Coliform	#/100	N/A	200	Weekly
Chloride	mg/l	N/A	N/A	Weekly
Sodium	mg/l	N/A	N/A	Weekly
TDS	mg/l	N/A	N/A	Weekly

SPECIFIC CONDITIONS:

The effluent shall be tested once during the 3 month demonstration period for the parameters listed in Appendix II, 40 CFR Part 258. These test parameters shall meet the Florida Groundwater Standards listed in F.A.C. 62-520.420.

c. After written approval for on-site discharge is obtained from the FDEP- Solid Waste Section, Southwest District, the following effluent testing schedule shall be conducted. Results shall be submitted quarterly. The first quarter of a year shall be submitted on **April 15th**, the second quarter on **July 15th**, the third quarter on **October 15th** and fourth quarter on **January 15th**.

Parameter	Unit	Minimum	Maximum	Frequency
flow	gpd	N/A	30,000	Daily
pH	STD UN	6.00	8.50	Daily
Chlorine Residual	mg/l	N/A	N/A	Daily, if using chlorine
CBOD ₅	mg/l	N/A	20	Weekly
COD	mg/l	(acceptable CBOD ₅ :COD ratio)		Weekly
TSS	mg/l	N/A	20	Weekly
Total Phosphorous	mg/l	N/A	N/A	Weekly
Ammonia Nitrogen	mg/l	N/A	N/A	Weekly
Nitrate-N	mg/l	N/A	12	Weekly
Total Nitrogen	mg/l	N/A	N/A	Weekly
Fecal Coliform	#/100	N/A	200	Weekly
Chloride	mg/l	N/A	N/A	Weekly
Sodium	mg/l	N/A	N/A	Weekly
TDS	mg/l	N/A	N/A	Weekly
Arsenic	mg/l	N/A	N/A	Quarterly
Barium	mg/l	N/A	N/A	Quarterly
Cadmium	mg/l	N/A	N/A	Quarterly
Chromium	mg/l	N/A	N/A	Quarterly
Iron	mg/l	N/A	N/A	Quarterly
Mercury	mg/l	N/A	N/A	Quarterly
Lead	mg/l	N/A	N/A	Quarterly
Selenium	mg/l	N/A	N/A	Quarterly
Silver	mg/l	N/A	N/A	Quarterly
Total THMs	mg/l	N/A	N/A	Quarterly
Benzene	mg/l	N/A	N/A	Quarterly
Toluene	mg/l	N/A	N/A	Quarterly
Ethylbenzene	mg/l	N/A	N/A	Quarterly
Total Xylenes	mg/l	N/A	N/A	Quarterly

Annually, the effluent shall be tested for the Appendix II parameters listed in 40 CFR Part 258.

SPECIFIC CONDITIONS:

d. Waste sludge from the leachate treatment plant shall be sampled and analyzed annually under an approved Quality Assurance Plan for the following parameters:

Toxic Characteristic Leaching Potential Test (TCLP) for
organics, metals and pesticides
Total Nitrogen (percent dry weight)
Total Phosphorus (percent dry weight)
Total Potassium (percent dry weight)
Cadmium mg/kg (dry weight)
Copper mg/kg (dry weight)
Lead mg/kg (dry weight)
Nickel mg/kg (dry weight)
Zinc mg/kg (dry weight)
pH (standard units)
Solids (percent)

Waste sludge that is not classified as hazardous waste (Chapter 17-730.020, FAC) may be disposed of in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal in order to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal activities.

The results of the sludge analyses shall be submitted to the Solid Waste Section of the Southwest District of the Department within **sixty** (60) days following sample collection.
Amended 09/24/93, 01/31/95.

14. The goal of the leachate treatment facility shall be to obtain the following concentrations prior to disposal of the treated leachate to the percolation pond system:

<u>Parameter</u>	<u>Concentration</u>	<u>Units</u>
Flow	-	gpd
pH	6.5 - 8.5	std. units
SS	20	mg/L
BOD ₅	20	mg/L
COD	(acceptable BOD ₅ :COD ratio)	-
Nitrate as N	12	mg/L
Fecal Coliform	N.D.	#/100 ml

Deleted, 09/24/93.

SPECIFIC CONDITIONS:

15. Within **sixty (60) days** after all specified construction has been completed, the owner or operator shall submit to the Department a certification of construction completion, Form 17-701.900(2), signed and sealed by a professional engineer, and all modifications from the record drawings, and shall arrange for Department representatives to inspect the facility in the company of the permittee, the engineer, and the proposed facility operator.

Amended 01/31/95.

16. Prior to sixty 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.

17. At least 90 days prior to the date when wastes will no longer be acceptable for active portions of the landfill, the landfill owner or operator shall submit a closure permit application to the Department. The final cover shall be placed over the entire surface of each completed portion of the filled areas within 180 days after final wastes deposit date.

18. One Hundred Eighty (180) days prior to the renewal of this permit, the permittee shall sample all active groundwater monitoring wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Public Drinking Water Systems.

Amended, 01/29/91.

19. The Groundwater Monitoring System is designed and constructed by the permittee in accordance with the report submitted on September 30, 1988 by P.B.S.J. The groundwater monitoring wells are located as per Figure 5 of report submitted on September 30, 1988 by P.B.S.J., and Figure 5 of the August 1993 Groundwater Monitoring Plan for the Leachate Disposal Percolation Ponds as follows:

<u>Well Number</u>	<u>Aquifer</u>	<u>Location</u>
MW-1(R)	Floridan	see referenced drawings
MW-2	Floridan	see referenced drawings
MW-3	Floridan (background)	see referenced drawings
MW-B	Floridan	see referenced drawings
MW-4	Floridan	see referenced drawings
MW-5	Floridan	see referenced drawings
MW-6	Floridan	see referenced drawings

All wells are to be clearly labelled and easily visible at all times.

SPECIFIC CONDITIONS:

A surveyed drawing shall be submitted showing the location of all monitoring wells (active and abandoned) which will be horizontally located by metes and bounds or equivalent surveying techniques. The surveyed drawing shall include the monitor well identification number, location and elevation of all permanent benchmark(s) and/or corner monument marker(s) at the site. The survey shall be conducted by a Florida Registered Surveyor.
Amended, 3/31/94, 08/22/94, 01/31/95.

20. All groundwater monitor wells shall be sampled **semi-annually** for the following parameters. However, additional sample(s), well(s) and parameter(s) may be required based upon the subsequent analysis.

FIELD PARAMETERS

Static water level in wells before purging
Specific Conductivity
pH
Dissolved Oxygen
Turbidity
Temperature
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

In addition, new wells MW-1R, MW-4, MW-5 and MW-6 shall be sampled **quarterly** for four consecutive quarters for the parameters listed above.

Amended 01/29/91, 08/22/94.

21. Upon completion of construction of the Groundwater Monitoring System, the following information shall be submitted for all groundwater monitoring wells and any new well(s) constructed:

Well identification
Latitude/Longitude
Aquifer monitored
Screen type and slot size
Screen length
Elevation at top of pipe
Elevation of land surface

Driller's Log
Total depth of well
Casing diameter
Casing type and length
SWFWMD well construction
permit number

SPECIFIC CONDITIONS:

22. The permittee shall sample any new groundwater monitor wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Drinking Water Standards, fecal coliform, and EPA Priority Pollutants. The specific parameters to be sampled and analyzed for are the Primary and Secondary Drinking Water Standards listed in Part III, Quality Standards, Analytical Methods, Sampling, 1/18/89 revision. Amended, 01/29/91.

23. All groundwater monitoring analyses shall be reported on the Department Form 17-1.216(2), Quarterly Report on Groundwater Monitoring. The permittee shall submit to the Department the results of the water quality and leachate analysis no later than the fifteenth (15) day of the month immediately following the end of the sampling period. For semi-annual sampling, the reports shall be submitted by **June 15th** and **January 15th** for the semi-annual periods January-June, and July-December, respectively. The results shall be sent to the Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318. Upon receipt and review of the required data, quarterly sampling and any required modification(s) of the Groundwater Monitor System will be given. Amended, 08/22/94.

24. If at any time background groundwater standards are exceeded at the edge of the zone of discharge, the permittee has fifteen (15) days in which 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 as representative of current groundwater conditions at the facility.

25. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with methods approved by the Department in accordance with Chapters 17-4.246 and 17-3.401, F.A.C. Approved methods are published by the Department or as published in Standard Methods, A.S.T.M., or EPA methods shall be used. Approved methods for chemical analyses are summarized in the Federal Register, December 1, 1976 (41FR52780) except that turbidity shall be measured by the Nephelometric Method.

26. All piezometers and wells not a part of the approved groundwater monitoring plan are to be plugged and abandoned in accordance with Chapter 17-21.10(4), F.A.C., and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the plugged program. A written request for exemption to the plugging of a well must be submitted to the Department's Solid Waste Section for approval.

SPECIFIC CONDITIONS:

27. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department of Environmental Protection immediately and a detailed written report shall follow within seven (7) days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent the recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation.

28. The permittee shall ensure that the water quality standards for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Sections 17-3.402 and 17-3.404, F.A.C.

29. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402, F.A.C. shall not be violated within the zone of discharge.

30. This permit allows improvements near the entrance of the Citrus County Solid Waste Management Facility known as Recycle Alley, to process yard trash into mulch and establish other recycling areas, in accordance with the plans and information submitted on September 13 and 26, 1991 by Citrus County, and in accordance with all applicable requirements of Department rules. Amended, 10/01/91.

31. This permit allows the construction and operation of a waste tire facility in accordance with the information submitted on September 19, 1989, and September 13, 1991 by Citrus County, and in accordance with all applicable requirements of Department rules. Amended, 10/01/91.

32. Waste tires and processed tires at the waste tire storage area shall be stored in accordance with the waste tire site requirements in Rule 17-711.510(F.A.C.).

33. Storage at the waste tire processing facility is limited to 200 tons of waste tires. At no time shall storage exceed 30 times the daily through-put of the processing equipment used. At least 75 percent of both the waste tires and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the area during the year, or disposed of on the site in a permitted solid waste management facility. An annual report summarizing these operations shall be submitted to the Department by March 1, of each year, pursuant to F.A.C. 17-711.530(4).

34. The owner or operator shall control mosquitoes and rodents or request such control measures from the local mosquitoes control office, as so to protect the public health and welfare.

SPECIFIC CONDITIONS:

35. Solid waste may be placed into the new lined expansion area beginning January 1, 1991. Once solid waste has begun being placed into this expansion area, no more solid waste shall thereafter be placed into any previously active cells unless written permission is obtained from the Department.

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

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

38. In the event of damage to any portion of the site's facilities or failure of any portion of the systems or a site condition which may result in the failure to achieve compliance with any applicable department rule or condition of this permit, the permittee shall immediately notify the Department of Environmental Protection explaining such occurrence, remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.
New, 09/11/92.

39. The permittee shall clearly stake the edge of the bottom liner on the north side of Phase I and maintain the locations as the landfill increases in elevation.
Amended, 09/24/93.

40. The permittee shall manage leachate recirculation, specifically initial and intermediate cover shall be permeable to the extent necessary to prevent perched water conditions and gas build-up. Leachate shall not be recirculated during weather conditions or in quantities that may cause run-off outside the solid waste disposal unit, surface seeps, wind blown spray, or exceedance of the limits of the leachate head on the liner. Recirculation of leachate is prohibited on top of areas where final cover has been applied. Irrigation of the final vegetative cover may be done with treated leachate which meets the water quality standards of the receiving water body, if such irrigation does not contribute significantly to leachate generation.
New, 09/24/93.

41. The permittee shall replace or modify the leachate storage impoundment (the old septic pond) to conform to 17-701.400(6) by **January 6, 1995**.
New, 09/24/93.

42. The permittee shall maintain a minimum of two feet of freeboard above the depth which would occur in the even of a 25-year, 24-hour storm in the leachate surface impoundment.
New, 09/24/93.

SPECIFIC CONDITIONS:

43. The aeration system for leachate aeration to maximize evaporation shall be installed and operated in accordance with Sheet 4 of plan titled "Citrus County Central Landfill Stormwater Drainage and Leachate Separation Construction Plans for 80 acre site Phase I" certified by Michael D. Moore on February 1, 1993.
New, 09/24/93.

44. Modifications to the operational and construction plan developed by PBS&J dated August 10, 1990 as indicated on drawings submitted to the Department for Project #89-615 certified by Michael D. Moore on February 1, 1993 shall be implemented in their entirety by **July 1, 1993**.
New, 09/24/93.

45. Seeding and mulching of all slopes shall be as indicated on the "Seeding Plan" submitted to the Department on June 8, 1993. The Department will require that standing grass (minimum height of 3 inches) exist by **November 1, 1993** on all slopes indicated per "seeding plan", in accordance with 17-701 and shall be capable of minimizing erosion of the DRA and internal landfill slopes.
New, 09/24/93.

46. The permittee must operate this facility in accordance with 17-701.500 (FDEP) Landfill Operation Requirements. The Department requests the permittee possess a thorough understanding of 17-701.500 and specifically address 17-701.500(1) - Training Operators per 17-703, 17-701.500(6) Monitoring of Waste, and 17-701.500(8) Leachate Management. The permittee shall submit a contingency plan for leachate management to the Department by **August 1, 1993** per 17-701.500(8)(e).
New, 09/24/93.

47. The permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material.
New, 09/24/93.

48. The permittee shall remove the temporary liner utilized for stormwater drainage as each lift of solid waste from east to west in Phase I is completed. The liner is indicated on plans "Citrus County Central Landfill Stormwater Drainage and Leachate Separation Construction Plans for 80 acre site Phase I" certified by Michael D. Moore and submitted to FDEP on February 1, 1993.
New, 09/24/93.

49. The capacity of the Zimpro PACT plant shall be limited to daily capacity per operation manual dated March 1990.
New, 09/24/93.

SPECIFIC CONDITIONS:

50. A zone of discharge shall be established at a distance of 30 feet or less from the edge of the percolation pond that receives the leachate treatment plant discharge waters. The solid waste disposal units have a zone of discharge located a maximum of 100 feet from the edge of these units, and described in Specific Conditions No. 24, 28 and 29. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402 shall not be violated within this zone of discharge, and that the water quality standards specified in Section 17-520.420 are not exceeded outside the percolation pond's zone of discharge.

New, 09/24/93.

51. A groundwater monitoring plan to monitor the percolation pond's zone of discharge in accordance with Section 17-522.600, F.A.C. shall be submitted to the Solid Waste Section of the Southwest District of the Department by **August 1, 1993**. The monitoring well network shall be installed within three (3) months of plan approval.

If groundwater standards or criteria are exceeded in monitoring wells MW-4, MW-5 or MW-6, the Department shall be notified within 5 working days of receipt of laboratory results. If groundwater standards or criteria are exceeded in these wells, the Department may require other methods of disposal for leachate.

New, 09/24/93. Amended 01/31/95.

52. Monitoring well MW-1 shall be replaced in accordance with the proposed well construction details submitted March 10, 1994 by Citrus County Division of Solid Waste Management. Existing well MW-1 shall be abandoned as stated in Specific Condition No. 26, and new well (MW-1(R)) information shall be submitted as stated in Specific Condition Nos. 19, 21 and 22.

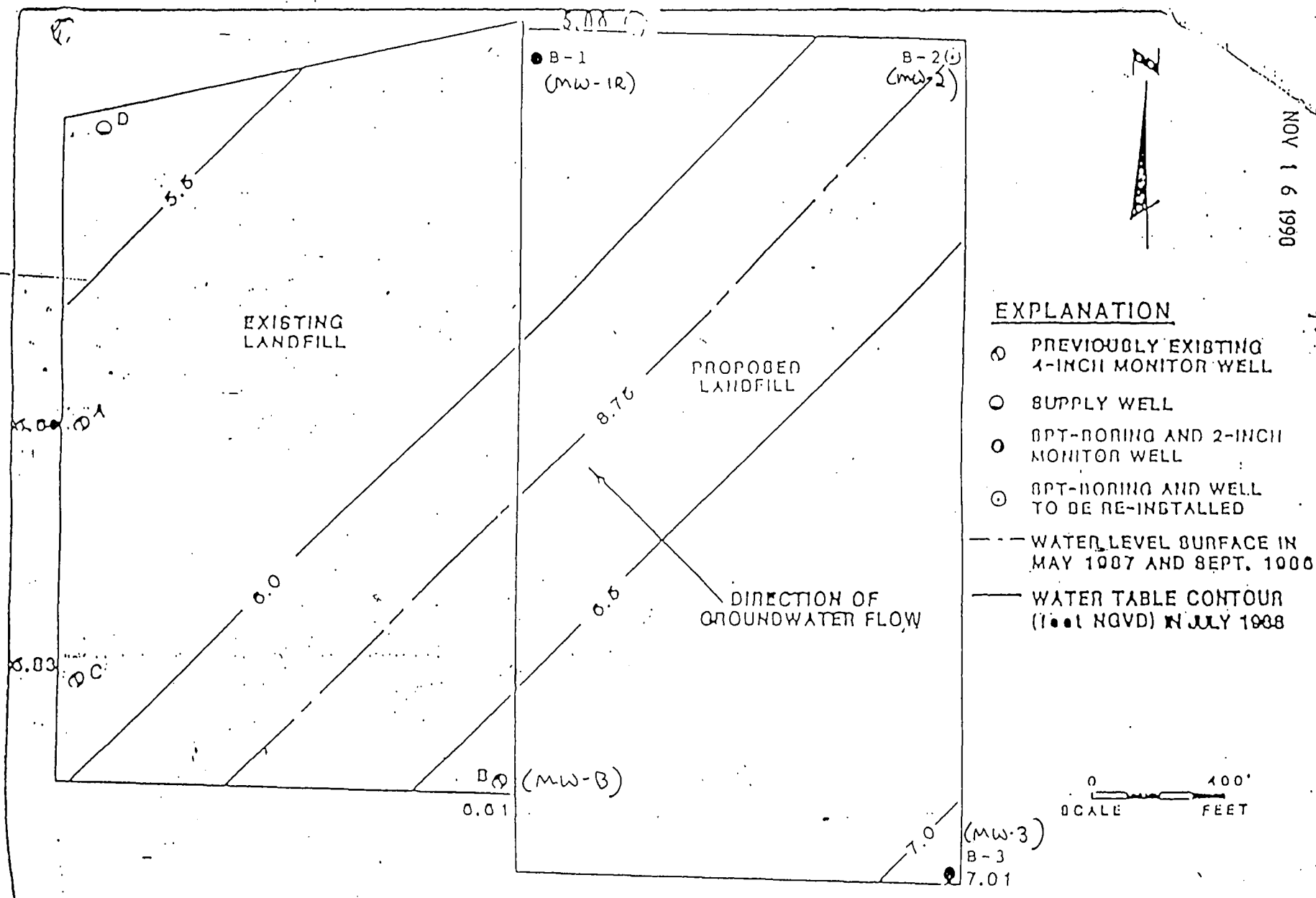
New, 3/31/94.

53. Leachate shall be sampled at the influent to the leachate treatment plant and analyzed **semi-annually** for 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 I

Leachate shall be sampled **annually** for those parameters listed in 40 CFR Part 258, Appendix II.
New, 08/22/94.



POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CITRUS COUNTY LANDFILL SITE MAP
SHOWING WELL LOCATIONS AND WATER LEVEL CONTOURS

FIGURE 5

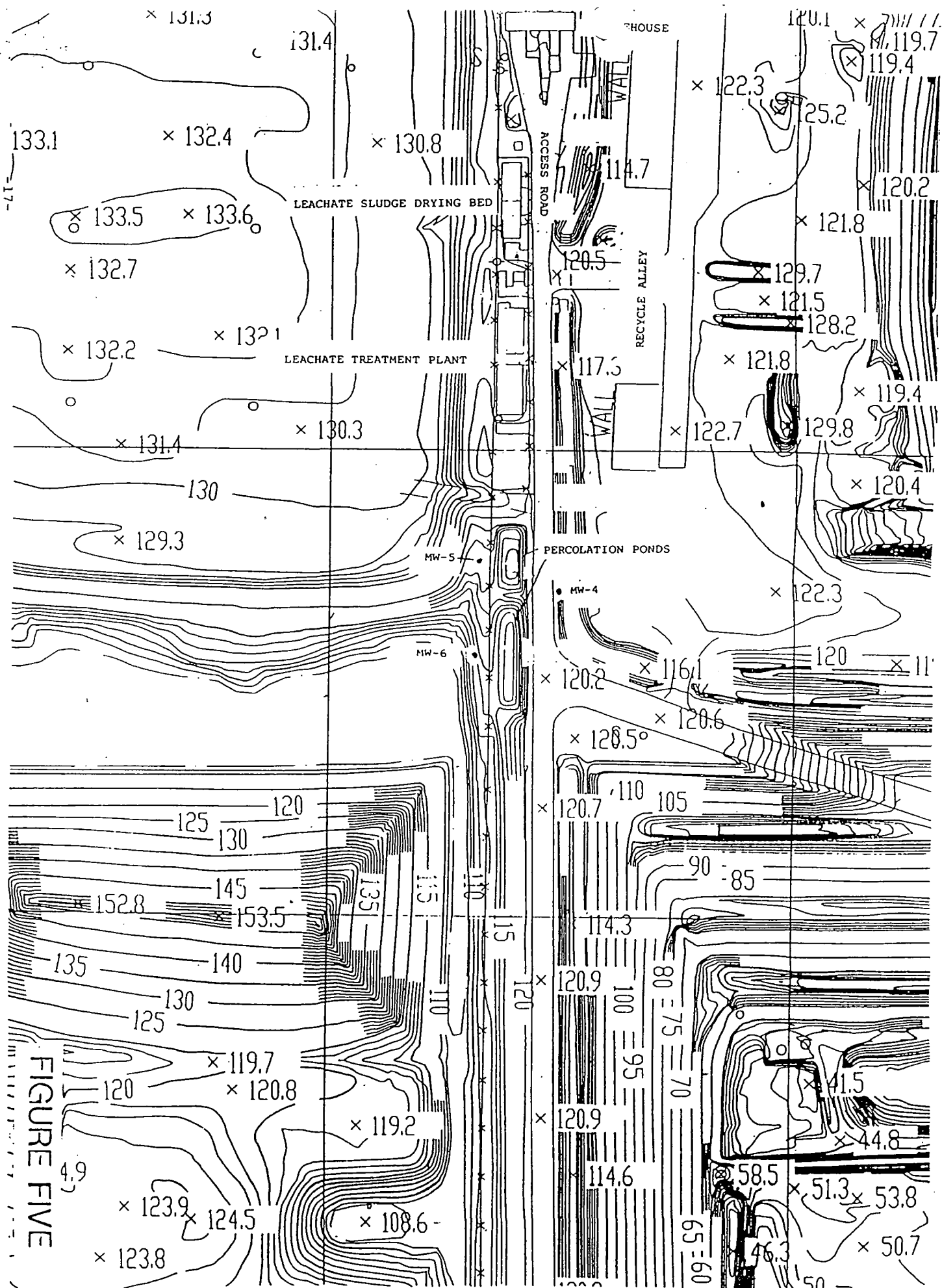


FIGURE FIVE

Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

TO: ☒ RECK GARRITY, DDM
for WILLIAM KUTASH, ENV. ADM. *RS 5/8/95*
OGC, ATTN: _____

FROM/THROUGH:

_____, ENVIRONMENTAL ADMINISTRATOR
Bob Botera RS 5/8/95
_____, PROGRAM SUPERVISOR
Jim Ford RS 5/8/95
_____, SECTION SUPERVISOR
_____, ENG, ENV SPEC, GEOLOGIST

DATE: 5/3/95

FILE NAME: Citrus County Landfill CASE #: SD 09-187229
PROGRAM: Solid Waste COUNTY: Citrus

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

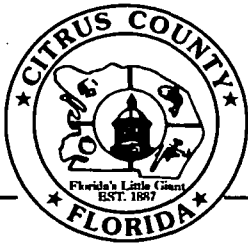
PUBLIC NOTICE PERIOD CLOSED? _____
PETITION? _____ RELEASED BY OGC? _____

PERMIT SUMMARY: THIS MODIFICATION IS
TO ALLOW A GUTTER SYSTEM INSIDE
THE LANDFILL TO ROUTE STORMWATER
AWAY FROM WASTE AND EXTEND A
CULVERT FOR ACCESS INTO THE LANDFILL
ALSO FOR EXCAVATION FOR FUTURE LANDFILL

PROFESSIONAL RECOMMENDATION: ☒ APPROVE _____ DENY

EVALUATION SUMMARY: I RECOMMEND
THESE IMPROVEMENTS AND EXCAVATION --

DAY 90/30 FOR THIS ACTION IS ASAP / 7/15/95



CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 746-2694 • FAX (904) 746-3368

Reply To:

D.E.P.

MAY 10 1995

SOUTHWEST DISTRICT
TAMPA

May 5, 1995

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

SUBJECT: PERMIT S009-087229, OPERATING PERMIT, MINOR MODIFICATION.

Dear Mr. Ford;

In response to your concern about the scheduling sequence of upcoming improvements at the Citrus County Landfill, the new entrance road will be completed prior to commencement of the earthwork for the Phase 2 Expansion. This road, located as shown on the plans near the northwest corner of the Phase 1 liner, will become the primary access route to the landfill, and the current access will then be used for operational purposes such as hauling cover material. No interruption of service is anticipated.

If you have any questions, please call me.

Sincerely,

Michael D Moore

Michael D. Moore, P.E.
Projects Manager

MDM:dj

cc: James W. Pinkerton, Director, Dept. of Technical Services
Jeffrey R. Ketteler, P.E., Director, Division of Engineering
Gary Kuhl, Director, Department of Public Works
Kenneth E. Saunders, Director of Road Maintenance



CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 746-2694 • FAX (904) 746-3368

Reply To:

May 3, 1995

D.E.P.

MAY 08 1995

SOUTHWEST DISTRICT
TAMPA

Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

SUBJECT: CITRUS COUNTY LANDFILL, PERMIT S009-087229 OPERATING PERMIT, MINOR MODIFICATION REQUEST.

Dear Mr. Ford,

This letter is sent to clarify material specifications and installation procedures for the Landfill Gutter System and to provide construction details for the proposed new entrance road over the landfill liner that demonstrate protection measures for the landfill liner at the entrance road crossing.

Material utilized for the gutter liner shall have a MINIMUM thickness of 6 mil. Attachment of the gutter liner to the landfill liner shall be a "loose fit" and without use of excessive tension to avoid gaps or openings that might otherwise occur in response to temperature changes.

It is our understanding that the Aqua-Shed products specified meet the requirements of Rule 17-701.500 (7) (e), Florida Administrative Code and that the material will be installed for the first time in Florida at the Palm Beach County Landfill (contact All Egger (305) 594-1155).

The adhesive used on the Aqua-Shed product will not effect the HDPE liner because it does not contain solvents. The product is currently in use in Georgia, and a customer reference list is attached.

The detail of the endwall is a typical FDOT detail that shows construction details for up to three pipes. Only one pipe will be used, in this case, and construction will be of sand bags because of the temporary nature of the installation. We have utilized this technique in the past with much success.

SUBJECT: CITRUS COUNTY LANDFILL, PERMIT S009-187229 OPERATING
PERMIT, MINOR MODIFICATION REQUEST.

May 3, 1995

Page -2-

A section through the entrance road at the liner crossing is attached to show protection measures for the liner.

A completion date on June 30, 1995 will be acceptable for our purposes. Please call me if you have any questions.

Sincerely,

Michael D. Moore 5-3-95

Michael D. Moore, P.E.,
Projects Manager

MDM:dj

cc: James W. Pinkerton, Director, Dept. of Technical Services
Jeffrey R. Ketteler, P.E., Director, Division of Engineering
Susan Metcalfe, Director, Solid Waste Management Division
Kenneth E. Saunders, Director of Road Maintenance

AQUA-SHED MANUFACTURING CORP.
220 E. INDUSTRIAL PARK BLVD.
P.O. BOX 5584
FLORENCE, SC 29502

**CUSTOMER LIST FOR AQUA-SHED
REFERENCES**

AFM Industries Eric White
P.O. BOX 4881, Agana, Guam 96924

Archer Management - CRRA
Shelton, CT Ashfill

203 523 9526

BFI Buford GA
UWL Landfill Site Manager

404 932 0007

BFI Southeast Region Skeet Gray
Atlanta, GA Chief Engineer

404 640 2300

CDT Landfill, Joliet IL
Danny Geiss, Pres.

815 741 0736

OIM Remediation Services
John Bertenshaw

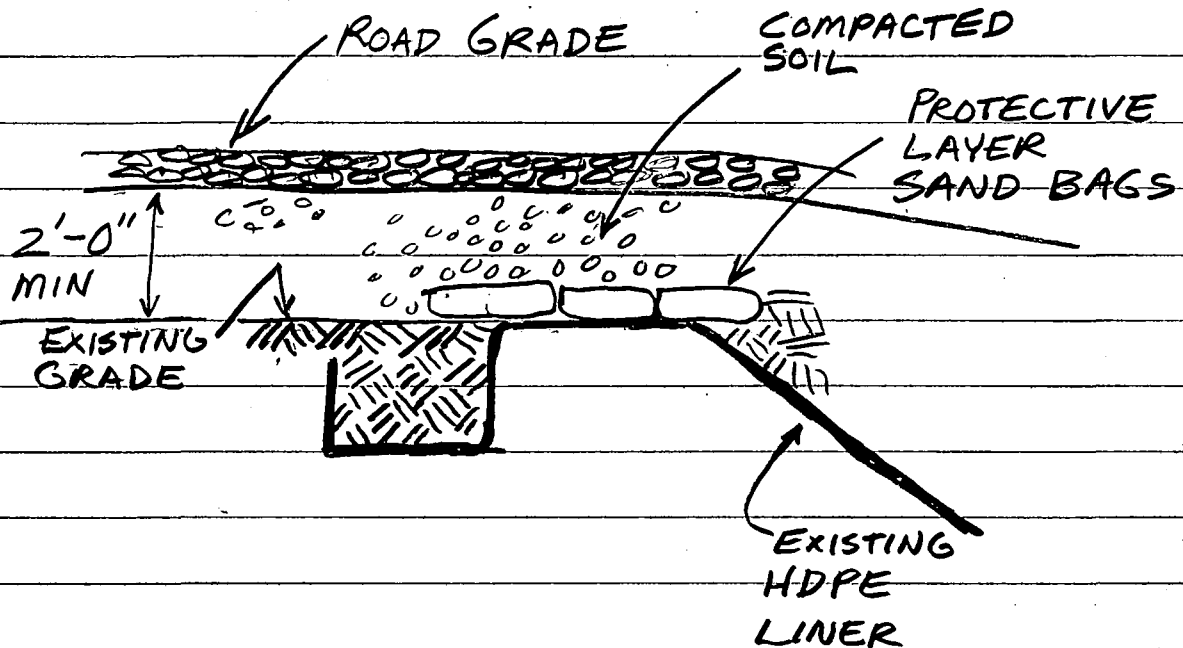
510 256 6100

Waste Management N. Cal,
Glen Meeks

415 449 6349

BFI Richmond, VA
Mr. Steve Yob

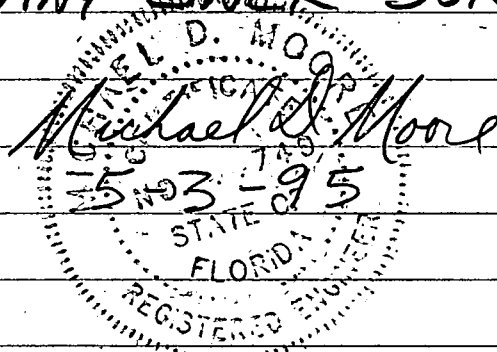
804 222 7070

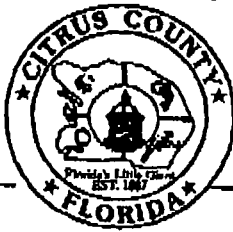


DETAIL OF ROAD CROSSING
EDGE OF LANDFILL LINER

NTS

NOTE: SOIL SHALL BE SAND
AND COMPACTED TO 95% OF
MAXIMUM DENSITY (ASHTO T99).
ALL LIMEROCK OR GRAVEL SHALL
BE PLACED A MINIMUM OF TWO
FEET ABOVE ANY LINER SURFACE.





CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 748-2694 • FAX (904) 748-3368

Reply To:

TELECOPIER MESSAGE

ELG

TO: MR. KIM FORD
DEPARTMENT OF ENVIRONMENTAL PROTECTION
(813) 744-6125

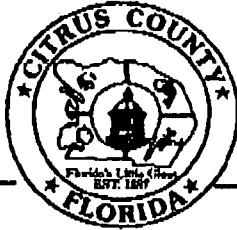
FROM: MICHAEL D. MOORE
TECHNICAL SERVICES
(904) 746-3368

RE: PERMIT S009-087229, OPERATING PERMIT, MINOR MODIFICATION

No. pages including this page TWO (2)

Time of Transmittal: 4:05 pm
Date of Transmittal: May 5, 1995

MESSAGE:



CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34480-0440
(904) 746-2694 • FAX (904) 746-3368

Reply To:

May 5, 1995

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

SUBJECT: PERMIT S009-087229, OPERATING PERMIT, MINOR MODIFICATION.

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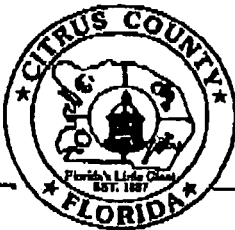
If you have any questions, please call me.

Sincerely,

Michael D. Moore, P.E.
Projects Manager

MDM:dj

cc: James W. Pinkerton, Director, Dept. of Technical Services
Jeffrey R. Ketteler, P.E., Director, Division of Engineering
Gary Kuhl, Director, Department of Public Works
Kenneth E. Saunders, Director of Road Maintenance



CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

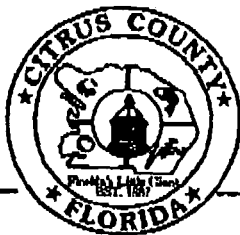
1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 746-2694 • FAX (904) 746-3368

Reply To:

TELECOPIER MESSAGE

TO: MR. KIM FORDDEPARTMENT OF ENVIRONMENTAL PROTECTIONSOUTHWEST DISTRICT (813) 744-6125FROM: MIKE MOORETECHNICAL SERVICES(904) 746-3368RE: CITRUS COUNTY LANDFILL, PERMIT S009-087229 OPERATINGPERMIT, MINOR MODIFICATION REQUEST.No. pages including this page FIVE (5)Time of Transmittal: 2:45Date of Transmittal: MAY 3, 1995

MESSAGE:



CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 746-2694 • FAX (904) 746-3368

Reply To:

May 3, 1995

Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

**SUBJECT: CITRUS COUNTY LANDFILL, PERMIT S009-087229 OPERATING
PERMIT, MINOR MODIFICATION REQUEST.**

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The detail of the endwall is a typical FDOT detail that shows construction details for up to three pipes. Only one pipe will be used, in this case, and construction will be of sand bags because of the temporary nature of the installation. We have utilized this technique in the past with much success.

-1-

James W. Pinkerton, P.E.
County Engineer and Director

Printed on
Recycled Paper.

**SUBJECT: CITRUS COUNTY LANDFILL, PERMIT S009-187229 OPERATING
PERMIT, MINOR MODIFICATION REQUEST.**

May 3, 1995

Page -2-

A section through the entrance road at the liner crossing is attached to show protection measures for the liner.

A completion date on June 30, 1995 will be acceptable for our purposes. Please call me if you have any questions.

Sincerely,



Michael D. Moore, P.E.,
Projects Manager

MDM:dj

cc: James W. Pinkerton, Director, Dept. of Technical Services
Jeffrey R. Ketteler, P.E., Director, Division of Engineering
Susan Metcalfe, Director, Solid Waste Management Division
Kenneth E. Saunders, Director of Road Maintenance

AQUA-SHED MANUFACTURING CORP.
220 E. INDUSTRIAL PARK BLVD.
PO. BOX 5584
FLORENCE, SC 29502

**CUSTOMER LIST FOR AQUA-SHED
REFERENCES**

AFM Industries Eric White
P.O. BOX 4881, Agana, Guam 96924

Archer Management - CRRA
Shelton, CT Ashfill

203 523 9326

BFI Buford GA
UWL Landfill Site Manager

404 932 0007

BFI Southeast Region Skeet Gray
Atlanta, GA Chief Engineer

404 640 2300

CDT Landfill, Joliet IL
Danny Geiss, Pres.

815 741 0736

OIM Remediation Services
John Bertenshaw

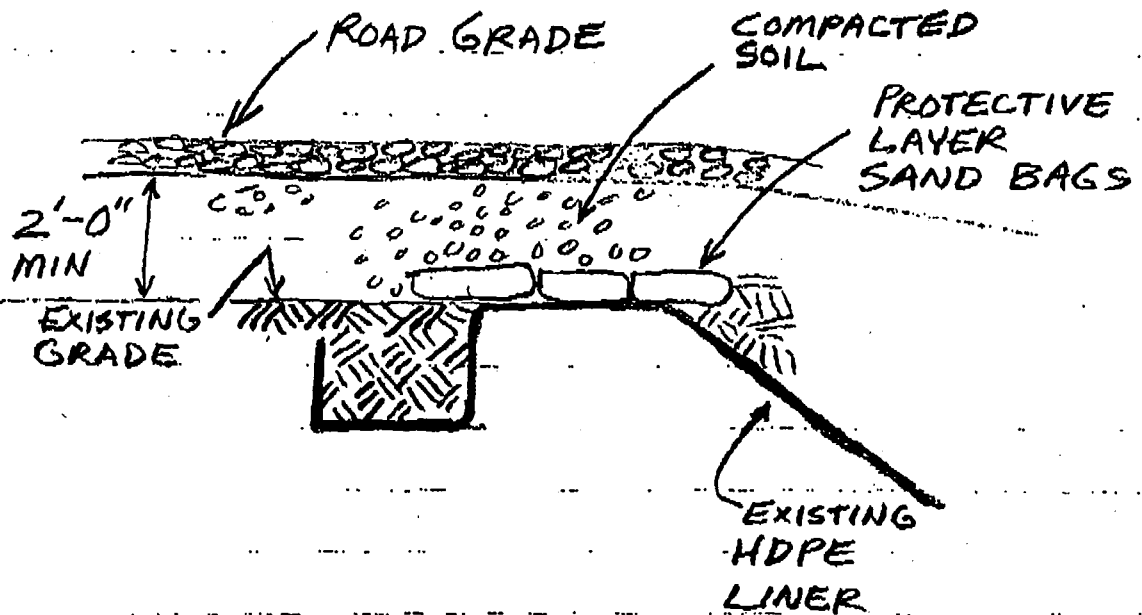
510 256 6100

Waste Management N. Cal,
Glen Meeks

415 449 6349

BFI Richmond, VA
Mr. Steve Yob

804 222 7070



DETAIL OF ROAD CROSSING
EDGE OF LANDFILL LINER

NTS

NOTE: SOIL SHALL BE SAND
AND COMPACTED TO 95% OF
MAXIMUM DENSITY (ASHTO T99).
ALL LIMEROCK OR GRAVEL SHALL
BE PLACED A MINIMUM OF TWO
FEET ABOVE ANY LINER SURFACE.

Michael D Moore
5-3-95



Lawton Chiles
Governor

Florida Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
813-744-6100

FAXED
Virginia B. Wehner
Secretary

FAX TRANSMITTAL SHEET

5/3/95

Date

TO:

Susan METCALFE

DEPT.:

Citrus County SWD

FAX #

(904) 527-1204

FROM:

Ann Fears

DEPT.: D.E.P., Tampa Office

PHONE: 813-744-6100 or SunCom 542-6100

Ext. 382

FAX(local) 744-6125 or (SunCom) 542-6125

SUBJECT:

Soil Stockpile & Tank

COMMENT:

May 3rd Letter

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

2

RECEIVED BY:

PHONE:



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 3, 1995

Ms. Susan Metcalfe, P.E.
Citrus County
Solid Waste Management
Post Office Box 340
Lecanto, FL 34460-6340

Re: Soil Stockpile and Leachate Storage Tank
SF09-211030 and SO09-187229
Citrus County

Dear Ms. Metcalfe:

Stockpiling soil on the closed 60 acre landfill requires a minor modification of the current long-term care permit SF09-211030 in accordance with F.A.C 62-4.050(4)(q)5, which requires a \$250 fee. This was expressed in DEP's March 20, 1995 letter to Mr. Panozzo.

Installation of the Leachate Storage Tank requires a separate construction permit according to F.A.C. 62-4.050(4)(h)11. and \$1000 fee, or may be included with the construction permit application for the proposed landfill expansion.

Construction has not been authorized by the Department for these two components of the landfill submitted on April 10, 1995. The Department's review will be delayed until the requests for approval are submitted with the required processing fees. Design changes may be necessary for Department approval. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,

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

KBF/ab

cc: Gary Kuhl, P.E., Citrus County
Robert Butera, P.E., FDEP Tampa

Transmit Confirmation Report

No. : 011
Receiver : 8-904-5271204
Transmitter : WASTE MGT TAMPA SWDIST
Date : May 03 95 11:22
Time : 00'55
Mode : Fine
Pages : 01
Result : OK

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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

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

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Gary W. Kuhl, P.E., Director
Citrus County Department
of Public Works
P.O. Box 167
Lecanto, FL 34460

4a. Article Number

P 648,754 332

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

4-28-95

5. Signature (Addressee)

6. Signature (Agent)

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

PS Form 3811, December 1991

★U.S. GPO: 1993-352-714

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

P 648 754 332

Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail



UNITED STATES POSTAL SERVICE

Sent to *Mr. Gary W. Kuhl, P.E., Director
Citrus Co Dept of Public Works*

Street & No.

P.O. Box 167

P.O. State & ZIP Code

Lecanto, FL 34460

Postage

\$

Certified Fee

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to Whom & Date Delivered

Return Receipt Showing to Whom,
Date, & Address of Delivery

TOTAL Postage
& Fees

\$

Postmark or Date

PS Form 3800, June 1990

Official Business

RECEIVED
MAY 01 1995

PENALTY FOR PRIVATE
USE: VOID PAYMENT
OF POSTAGE, \$300



Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Print your name, address and ZIP Code here

• *Steve Morgan* •

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DR.
TAMPA, FLORIDA 33619

71





Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

APR 26 1995

Mr. Gary W. Kuhl, P.E., Director
Citrus County
Department of Public Works
P.O. Box 167
Lecanto, Florida 34460

**RE: Permit Renewal, Citrus County Class I Sanitary
Landfill Expansion
Permit No.: S009-187229, Citrus County**

Dear Mr. Kuhl:

A review of Department files indicates that the above referenced permit #S009-187229 expires on October 1, 1995.

Florida Administrative Code Rule 62-4.090(1) states, "Prior to sixty days before the expiration of any Department operation permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department. A renewal application shall be timely and sufficient."

Due to the complexities involved in designing, constructing and operating a solid waste management facility, and the possibility that standards and/or regulations applicable to your facility may have changed, preparation of a complete permit application can be a rather involved and time consuming process.

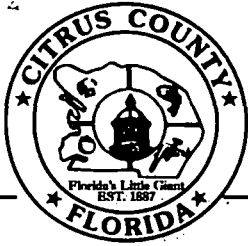
Therefore, the Department recommends that if you have not already done so, you are to begin the preparation of your application for permit renewal for the above referenced facility. Also, since permit fees have changed, you should contact this office prior to submittal of your application to assure that the current fee is included.

Should you have any questions or require any assistance, please do not hesitate to contact Kim Ford at (813)744-6100, ext. 382.

Sincerely,

Steven G. Morgan
Compliance/Enforcement Supervisor
Division of Waste Management

cc: Robert Butera
Kim Ford



DEPARTMENT OF PUBLIC WORKS
DIVISION OF SOLID WASTE MANAGEMENT

230 W. Gulf to Lake Highway • P.O. Box 340
Lecanto, Florida 34460-0340
(904) 746-5000 • FAX (904) 527-1204

April 12, 1995

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

**RE: Citrus County Central Landfill
Permit S009-187229
Operating Permit, Minor Modification Request**

Dear Mr. Ford:

5009-269308

Attached is a check in the amount of \$250.00 to cover the minor permit modification request outlined in my letter to you dated April 7, 1995.

As stated in my previous correspondence, please direct any administrative questions to me and any technical questions can be directed to the engineer for each project. I would appreciate concurrent notification of those questions. Thank you.

Sincerely,

Susan J. Metcalfe

Susan J. Metcalfe,
Director

cc: Gary W. Kuhl, Dir. Dept. Public Works

D.E.P.

APR 17 1995

SOUTHWEST DISTRICT
TAMPA



VOID IN 60 DAYS

153

SUNBANK & TRUST COMPANY
INVERNESS, FLORIDA

STATE OF FLORIDA
County Warrant
COUNTY OF CITRUS
INVERNESS, FLORIDA

No. 068085 63-115
631

DATE 04/11/95

PAY Two hundred fifty dollars and XX/100 cents

AMOUNT \$250.00

0548.3

TO THE ORDER OF DEPT OF ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL
33619-8318

CITRUS COUNTY ACCOUNTS PAYABLE

Vicki Phillips
CHAIRMAN BOARD OF COUNTY COMMISSIONERS

Ray Lopez
CLERK AND AUDITOR

CK NO. 068085

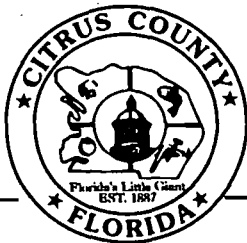
STATE OF FLORIDA
COUNTY OF CITRUS
INVERNESS, FLORIDA

County Warrant

No. 068085

DEPARTMENT	ACCOUNT	PUR. ORDER	INVOICE NUMBER	AMOUNT	DESCRIPTION
5212	54912		LANDFILL	250.00	PERMIT MODIFICATION
					D.E.P. APR 17 1995 SOUTHWEST DISTRICT TAMPA

PLEASE DETACH
BEFORE DEPOSITING




CITRUS COUNTY

DEPARTMENT OF TECHNICAL SERVICES

1300 South Lecanto Highway • P.O. Box 440
Lecanto, Florida 34460-0440
(904) 746-2694 • FAX (904) 746-3368

March 30, 1995

Mr. Kim Ford, P.E. 
Department of Environmental Protection
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

Reply To:

RECEIVED
APR 11 1995
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

RE: RECYCLING AND TRANSFER SITE PERMIT MODIFICATION SUBMITTAL.

Dear Mr. Ford;

The drainage ditch shown on sheet 2 of 4, east of the roll-off containers is an existing ditch that extends north and south along the plan area shown and turns east along the north landfill boundary. The configuration of the ditch system will be shown in the record drawings and submitted to your department.

A berm will be constructed between the roll-off containers and the drainage ditch to prevent the discharge of potential leachate to surrounding areas and storm water conveyances. The berm will be approximately one foot high and one foot wide at the top and three feet wide at the base. The berm will be shown on the record drawings.

Access for the roll offs will be constructed of crushed rock and at a maximum slope of six feet horizontal to one foot vertical as shown in the elevation view on sheet three of four. The access will join the existing stabilized road at the north corner of the existing concrete slab and the access to the south will join the asphalt at the "TEE" intersection northwest of the new tub grinder location. The access will be shown on the record drawings.

The waste oil collection system will be constructed in accordance with the procedures of Chapter 62-762, Above Ground Storage Tank Systems. This will also be reflected in the record drawings.

A concrete drive for the loader will be constructed at the tub grinder. This slab will be shown in the record drawings.

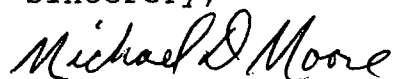
RE: RECYCLING AND TRANSFER SITE PERMIT MODIFICATION SUBMITTAL.

March 30, 1995

Page -2-

Thank you for your attention to this submittal. If you have any questions, please call me.

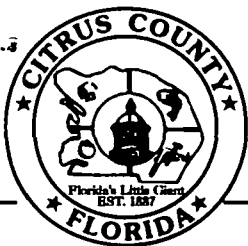
Sincerely,

A handwritten signature in cursive script that reads "Michael D. Moore".

Michael D. Moore, P.E.
Projects Manager

MDM:dj

cc: James W. Pinkerton, Director, Dept. of Technical Services
Jeffrey R. Ketteler, P.E., Director, Division of Engineering
Susan Metcalfe, Director, Solid Waste Management Division
Kenneth E. Saunders, Director of Road Maintenance



DEPARTMENT OF PUBLIC WORKS
DIVISION OF SOLID WASTE MANAGEMENT

230 W. Gulf to Lake Highway • P.O. Box 340
Lecanto, Florida 34460-0340
(904) 746-5000 • FAX (904) 527-1204

April 7, 1995

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

D.E.P.

APR 10 1995

TAMPA

**RE: Citrus County Central Landfill
Permit SO09-187229
Operating Permit, Minor Modification Request**

Dear Mr. Ford:

Citrus County intends to implement several changes to the operating permit for the Central Landfill. These changes involve 1) implementation of a gutter system to intercept clean rainfall from the liner before it enters the soil cover or waste; 2) a change in timing for installation of a culvert for crossing the perimeter ditch; 3) installation of a double containment tank for storing leachate prior to treatment; and 4) excavation of soil for the Phase 2 expansion of the landfill.

Drawings (three sets each) for these projects are enclosed, with projects 1 and 2 on the same drawings, signed and sealed by Michael D. Moore, Citrus County Engineering Division; project 3 is on a separate set of drawings, signed and sealed by George J. McDonald and David Brittain of Berryman & Henigar; project 4 is on a separate set of drawings, signed and sealed by Gary Panozzo of CH2M Hill and George J. McDonald of Berryman & Henigar. A check in the amount of \$250 for review of this minor permit modification has been ordered and can be delivered by April 14.

GUTTER SYSTEM

The gutter system is designed to intercept rainfall from the liner and divert it to the stormwater system before it reaches the soil cover or solid waste beneath. The design shown is for current conditions; the concept is to retain a similar configuration throughout operation of Phases 1 and 2 and perhaps longer. The material that is proposed has an adhesive and theoretically can be re-placed at a higher elevation as filling advances. If the material is not practically reusable, but it is economically feasible to purchase new material, replacement would be with new. A copy of material specifications is enclosed.



PERIMETER DITCH CROSSING

There is a temporary perimeter ditch crossing near the southwest corner of the site. Drainage is maintained in the ditch with a 24-inch diameter CMP. During construction and operation of Phase 2, access to the site for disposal by route trucks and bulky waste loads brought by citizens will shift from the current paved road along the north slope of the excavation to the southwest corner of the lined area. The original permit drawings for Phase 1 show the location and size of the permanent culvert for the perimeter ditch crossing near that point. Waste has not been placed to make the permanent crossing constructible as yet. We propose to extend the temporary culvert and use that location for access throughout Phase 2. No changes to the drainage basin which contributes to the perimeter ditch will occur until Phase 2 is filled above grade, several years from now. The permanent access road and culvert will be constructed concurrent with Phase 3. Both the above projects will be constructed with County personnel and should be in place before this year's rainy season.

LEACHATE HOLDING TANK

Specific Condition #41 of the permit requires that the leachate impoundment which has been abandoned, be replaced with a double contained facility. The proposed replacement is a concrete tank with secondary containment structure to be placed in the same location. This open-top divided tank, with aeration will provide up to 250,000 gallons of storage for leachate prior to treatment. The tank will receive underdrain leachate via a force main from all lift stations with a separate input line from surface leachate sources. As desirable for operational purposes, the surface and underdrain leachate can be segregated or mixed. The leachate will be pumped from the holding tank to the plant, into either reactor #1 or #2. Provisions have also been made for trucking from this point if necessary. This project will be advertised for bid this month. Construction should begin in July and take about 4 months to complete.

PHASE 2 EXCAVATION

The Phase 2 expansion of the site is to be completed with two construction contracts. The first of these is for the major earthmoving as shown on the drawings provided. The excavated area will be expanded to the north approximately 300 feet and will involve both below grade excavation and removal of part of the existing soil stockpile. This project will be advertised for bid this month. Construction should begin in July and take about 4 months to complete.

Kim B. Ford. P.E.
Operating Permit, Minor Modification Request
Page 3

The second contract will be related to construction of the liner and leachate collection system. The full permit application for that work will be submitted in May. We hope to begin construction in January and be ready to accept waste in the completed Phase 2 when Phase 1 is expected to be filled to capacity, around September 1996.

Please direct all administrative questions to me. Technical questions may be directed to the engineer for each project. I would appreciate concurrent notification of those questions. Thank you.

Sincerely,



Susan J. Metcalfe,
Director

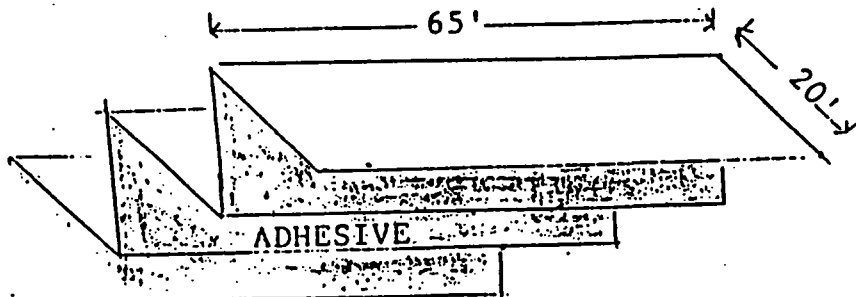
cc: Anthony L. Shoemaker, County Administrator
Gary W. Kuhl, Dir. Dept. Public Works
Michael D. Moore, Projects Engineer
Gary Panozzo, CH2M Hill
John Wood, CH2M Hill
George McDonald, Berryman & Henigar

AQUA-SHED MFG. CORP. Box 5584, Florence, S.C. 29502
Tel.: 803 661 7444, FAX 803 661 7466
Plant: 220 East Industrial Park Blvd.

SPECIFICATION

AQUA-SHEDTM ULTRA THIN (HDPE film)

THICKNESS: 1 mil
COLOR: Black/white
ADHESIVE: Permanently tacky emulsion applied to black side
CARBON CONTENT: 3.5% +
PENETRATION TEST: Method A Dart = 100 grams +
ELMENDORF TEAR TEST: 40 gram/machine direction,
500 gram/cross direction
TENSILE STRENGTH: 7,000 psi/machine direction
4,000 psi/cross direction
PERCENT STRETCH TO BREAK: 300% machine direction
500% cross direction
ULTRA VIOLET STABILITY: 80% retention of elongation 1,000 hrs.
in Xenon arc weatherometer
WEIGHT: 5 lbs/1,000 sq.ft. w/o adhesive, 11 lbs/with adhesive
VAPOR TRANSMISSION: Methyl Bromide gas @30°C -
10 ml/hr/m²/1,000 ppm
FUEL CONTENT: 90 BTU/sq.ft.
HAZARDOUS INGREDIENTS: none
TOXICITY: none
PACKING: In carton 24" x 24" x 20", without adhesive
2 panels - 90 lbs.; with adhesive one panel
in plastic bag - 80 lbs.



MATERIAL SAFETY DATA

AQUA-SHED ULTRA THIN

To remove excess adhesive from skin: Use soap and warm water.

To remove excess adhesive from clothes: use lighter fluid, soap and hot water.

Ingestion : See doctor, or induce vomiting.

Disposal: Landfill

D.E.P.

APR 10 1995

Seal of the District
TAMPA

AQUA-SHED MANUFACTURING CORP.
220E Industrial Park Blvd.
Florence, SC 29505

Florence Office:
Phone: 803-661-7444
Fax: 803-661-7466

**MATERIAL SAFETY DATA
AQUA-SHED™ WASTE COVER**

AQUA-SHED™ is a plastic sheet, coated on one side with a water based glue.

MANUFACTURER OF AQUA-SHED™ COVER

Aqua-Shed Manufacturing Corporation
P.O. Box 5584, Florence, S.C. 29502

PRODUCT IDENTIFICATION:

- as Waste Cover

SHEET COMPOSITION:

- PVC sheet coated with tacky adhesive

HAZARDOUS INGREDIENTS:

- None

PHYSICAL DATA:

- PVC sheet -- non-combustible
- Thickness -- 6 mil. or 20 mil
- Elasticity - 300% Elongation

HEALTH HAZARD DATA:

- None

CLEAN-UP PROCEDURE:

- Wash off glue with soap and water

SPECIAL PROTECTIVE INFORMATION:

- None

SPECIAL PRECAUTIONS:

- None

DOT CLASSIFICATION:

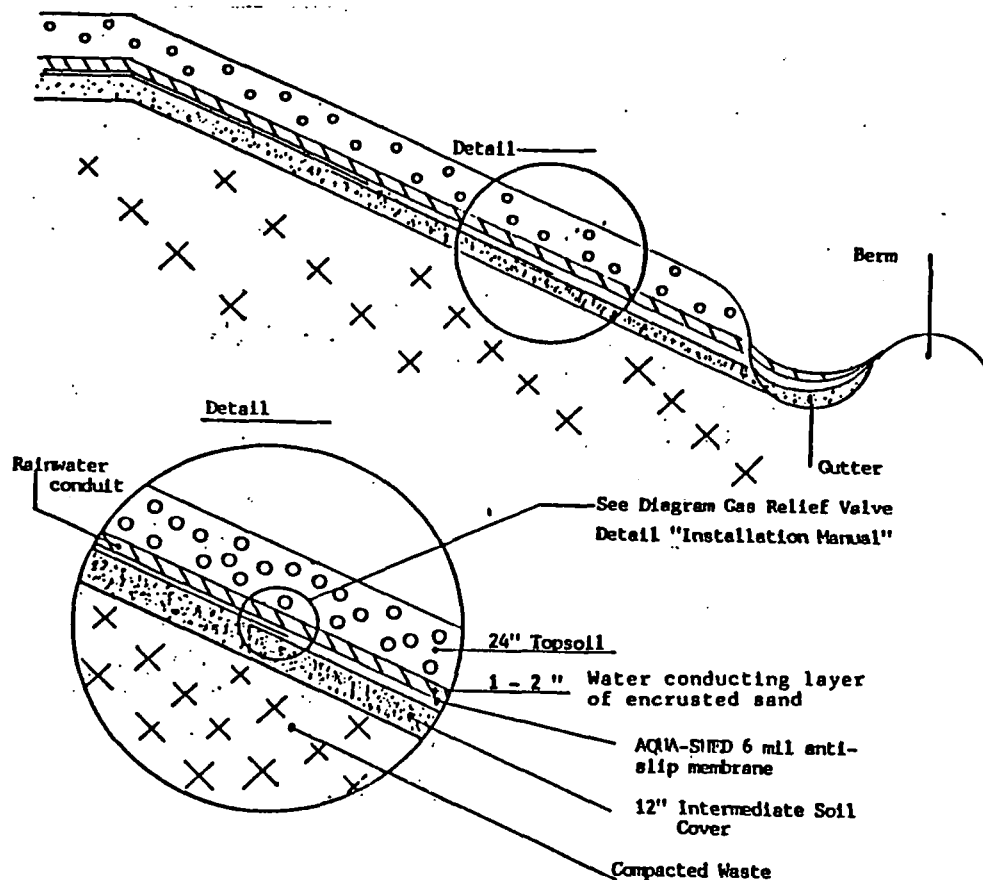
- Not applicable

DISPOSAL:

- Classified as non-hazardous waste material
- Dispose on landfill

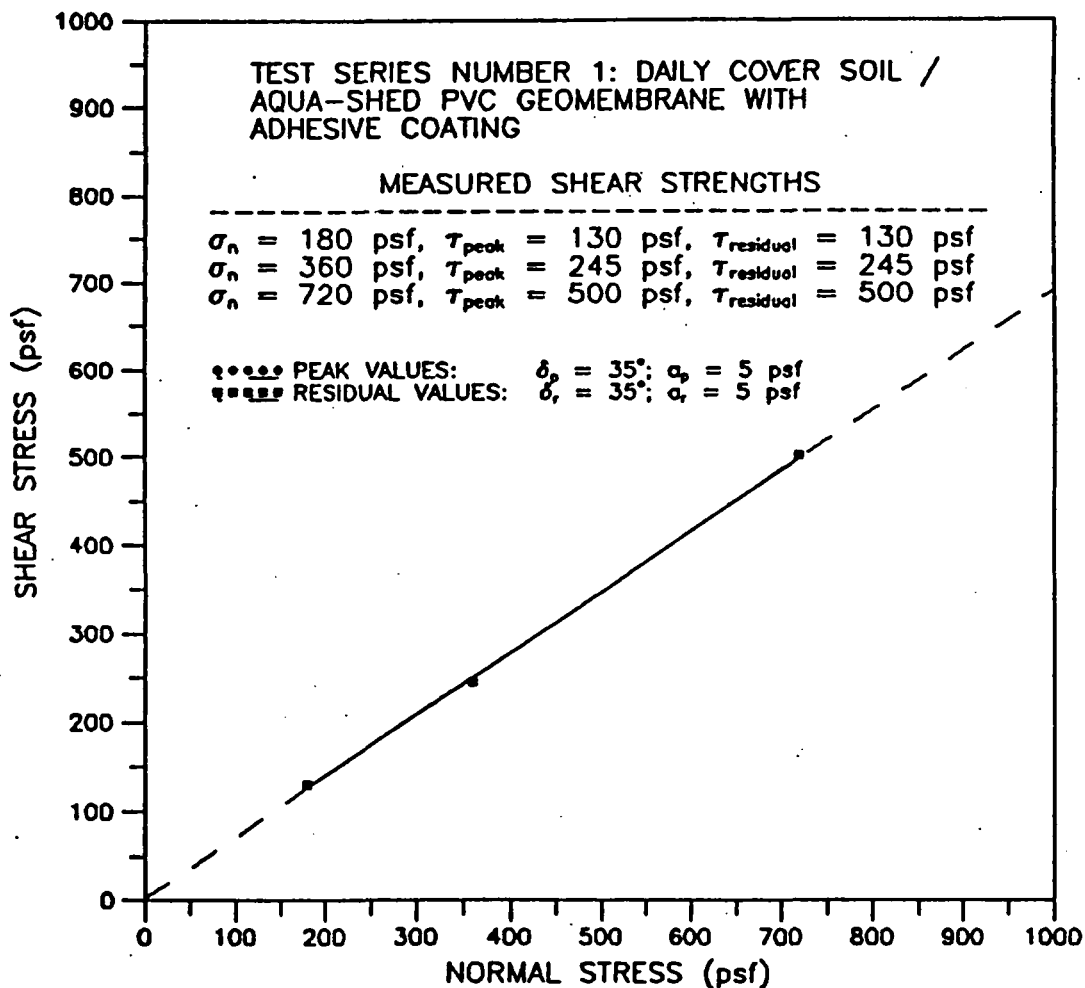
DATE PREPARED: 6/94

USES: The AQUA-SHED MEMBRANE can be used to control liquid and vapor flows for long periods of time, as well as for FRICTION INCREASE of soils above and below. (Friction angle). Also the FRICTION can be INCREASED between two membranes with aqua-shed^R. Water-logging directly above the AQUA-SHED membrane must be prevented by a filtercloth or encrusted water conductive layer as shown below.



INSTALLATION: The AQUA-SHED membrane is folded into a handy package with the glued surface in the last fold. Once unfolded, the AQUA-SHED membrane is placed face down and all overlaps, like roof shingles, pointing down slope. Until the glue activates, the edges should be secured with sandbags, poles, earth or other suitable means to prevent wind damage. Edges must be toed in.

AQUA-SHED MANUFACTURING, CORP. INTERFACE DIRECT SHEAR TESTING



NOTE: The reported value of adhesion may not be the true adhesion of the interface, and caution should be exercised in using this adhesion value for applications involving normal stresses outside the range of stresses covered by the test.

DATE TESTED: 22 JUNE 1993



GEOSYNTEC CONSULTANTS
GEOMECHANICS AND ENVIRONMENTAL LABORATORY

FIGURE NO.	2-2
PROJECT NO.	GL3401
DOCUMENT NO.	GEL93183
PAGE NO.	

STORMWATER DIVERSION: To collect rainwater, the AQUA-SHED membrane is deployed like roof shingles, with an overlap of approx. 6". A gutter at the bottom of the slope can direct the clean run-off as required.

Below is a typical example on how substantial savings can be achieved. The table of rainfall conversion to gallons with a formula to calculate savings will aid in quick determination of whether or not AQUA-SHED is economical to use.

ASSUMPTIONS: Leachate treatment costs 1¢ per gallon for treatment and 5¢ per gallon for freight.

FACT: One inch of rainfall produces .31 gallons of leachate per square foot of area, if 50% percolates, 35% evaporates, and 15% runs off.

COST: One square foot of AQUA-SHED costs 6.1 cents per square foot, and with freight and installation the total installed cost will be approximately 8.5 ¢/sq.ft.

AQUA-SHED Cost = sq.ft. area covered x 8.5

LEACHATE DISPOSAL COST = sq.ft. area covered x
.31 gal. x 6 ¢/gal. x
inches of rainfall

SAVINGS: Cost of Leachate Treatment minus Cost of AQUA-SHED™

EXAMPLE: If a landfill receives 50" of rainfall in one year and has 30 acres of its area covered with AQUA-SHED™, the savings would be:

30 Acres = (43,560 sq.ft./acre) x (30 acres) = 1,306,800 sq. ft.

COST OF TREATMENT = (1,306,800 sq.ft.) x (50 in.) x (\$.0186) = \$1,215,324.00

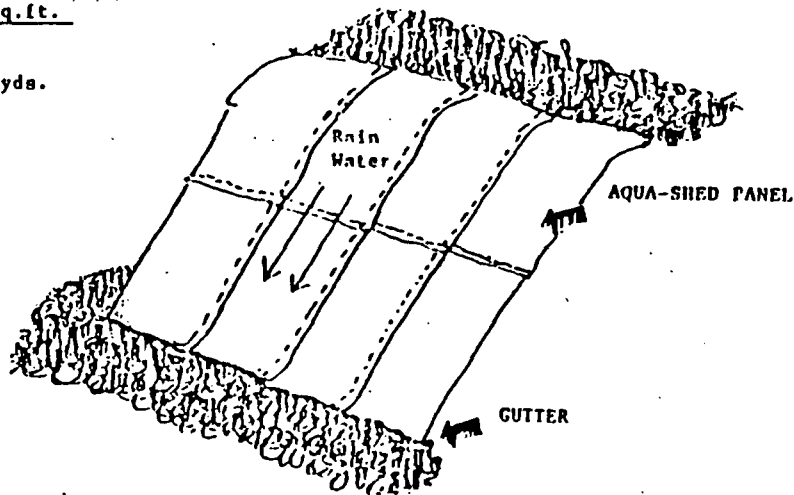
COST OF AQUA-SHED™ = (1,306,800 sq.ft.) x (8.5 ¢/sq.ft.) = \$ 111,078.00

SAVINGS WITH AQUA-SHED™ = \$1,215,324.00 - \$111,078.00 = 1,104,246.00

BONUS: In addition to saving almost 11 times the cost of AQUA-SHED™, using AQUA-SHED™ in place of soil will save 48,400 cubic yards of valuable landfill space over this 30 acre area.

Volume = $\frac{1,306,800 \text{ sq.ft.}}{27}$

= 48,400 cu. yds.





Lawton Chiles
Governor

Florida Department of Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherill
Secretary

December 20, 1993

Mr. Gordan R. Ripma
Aqua-Shed Manufacturing Corp.
2001 SE Airport Road
Stuart, FL 34996

Dear Mr. Ripma:

I am in receipt of your letter dated December 7, 1993. The Department generally has no objections to the use of your product for storm water diversion at landfill sites in the Southeast District. Please note that this is not an endorsement of your product, and the Department reserves the right to review the specific use of your product at any site. No permit is required if used over an intermediate cover, meeting the requirements of Section 701.500(7)(f), Florida Administrative Code, at landfills with an approved and operational MSSW and leachate collection system. Any other use must be reviewed on a case-by-case basis by the Department.

If you have any questions, please contact me at telephone number 407/433-2650.

Sincerely,

A handwritten signature in dark ink, appearing to read "Joe Kahn", is written over the word "Sincerely,".

Joseph Kahn, P.E.
Supervisor, Solid Waste Section

cc: Greg Coffelt, DEP, MSSW
Eduardo Lopez, SFWMD



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

July 8, 1994

Gordon R. Ripma
Aqua-Shed Manufacturing Corp.
2001 S.E. Airport Road
Stuart, FL 34996

Dear Mr. Ripma:

I have reviewed the materials you sent to me with your cover letter dated June 30, 1994. It appears that the Aqua-Shed Ultra-Thin product meets the requirements of Rule 17-701.500(7)(e), Florida Administrative Code, as an alternate initial cover for use at landfills in the Southeast District. Please note that the Department does not endorse particular products, so this letter should not be considered an endorsement.

If you have any questions, feel free to contact me at 407-433-2650.

Sincerely,

Joseph Kahn, P.E.
Supervisor, Solid Waste Section

cc: Richard Tedder, P.E., DEP/SW, TLH

D.E.P.

APR 10 1995

**SOUTHWEST DISTRICT
TAMPA**



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

MAR 3 1 1995

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

Dear County Commissioners:

Enclosed is the modification to existing Operation Permit Number SO09-187229, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, 32399-2400, 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 17-103.070, 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.

When the Order (Permit) 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, 2600 Blair Stone Road, Tallahassee, 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

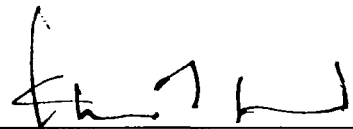
Citrus County Board of County
Commissioners
Permit No.: SO09-187229

MAR 3 1 1995

Page Two

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: Anthony Shoemaker, Citrus County Administrator
Larry Haag, Citrus County Attorney
Frank Schiraldi, Citrus County BCC
Gary Kuhl, Citrus County Public Works
Susan Metcalfe, P.G., Citrus County Dept. of Solid Waste
Kathy Anderson, FDEP Tallahassee
Robert Butera, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
Allison Amram, P.G., FDEP Tampa

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on MAR 3 1 1995 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

MAR 3 1 1995

Date



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

MAR 31 1995

PERMITTEE:

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

RE: Modification #267264
Permit No.: S009-187229, Citrus County
Citrus County Class I Sanitary Landfill Expansion

Dear County Commissioners:

We are in receipt of your March 13, 1995 request for permit modification. This modifies your solid waste operation permit #S009-187229.

<u>SPECIFIC CONDITIONS</u>	<u>FROM</u>	<u>TO</u>	<u>TYPE OF MODIFICATION</u>
#1.	Existing	Amended	Recycling and Transfer Site

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

Sincerely,

Richard D. Garrity, Ph.D.
Director of District Management
Southwest District

RDG/kbfb
Attachments



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE

Citrus County
Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

PERMIT/CERTIFICATION

GMS ID No.: 4009C00086
Permit No.: SO09-187229
Date of Issue: 11/16/90
Expiration Date: 10/01/95
County: Citrus
Lat/Long: 28°51'
82°26'
Sec/Town/Rge: 1/19S/218E
Project: Citrus County
Class I Sanitary
Landfill Expansion

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-3, 17-4, 17-25, 17-28, 17-550, 17-701, 17-703 and 17-711. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with department and made a part hereof and specifically described as follows:

To operate a solid waste Class I sanitary landfill (approximately 80 acres), referred to as the Citrus County Central Class I Landfill Expansion, subject to the specific conditions attached, for management and disposal of solid wastes and leachate treatment and disposal, near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida.

Replaces Permit No.: SC09-155514

GENERAL CONDITIONS

Page 1 of 20.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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 403.859 through 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 personal 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 17-4.120 and 17-730.300, 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:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- () 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 that 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. This site shall be classified as a Class I landfill and shall be constructed and operated in accordance with all applicable requirements of Chapters 17-3, 17-4, 17-25, 17-28, 17-550, 17-701, 17-703, and 17-711, Florida Administrative Code, and all applicable requirements of Department rules. This permit is valid for improvements to the existing leachate treatment facility in accordance with the information submitted on October 14, November 28, and December 19, 1994; the recycling and transfer site in accordance with the information submitted on March 16, 1995; and in accordance with all applicable requirements of Department rules. Site improvements approved as part of this permit shall be completed by **June 30, 1995**. The leachate treatment facility is considered experimental. The County shall continue to provide off-site disposal of its leachate removed from the landfill to permitted wastewater treatment facilities prior to DEP approval of the certification of construction completion for the leachate treatment facility. The buildup of leachate within the landfill in excess of one foot over the liner shall be prevented. Leachate shall be managed in accordance with the requirements of F.A.C. 17-701.500(8). Each pump station 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 a replacement pump installed immediately. Leachate generation reports shall be compiled monthly and submitted to the Department quarterly by **January 15th, April 15th, July 15th and October 15th** each year. Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, stored or impounded, recirculated, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch. Leachate discharge to areas outside of the landfill or area surface water is not authorized by this permit and shall be considered a violation of this permit.

The operation of the recycling and transfer site shall comply with the following procedures:

- (1) Only residential customers shall use the facilities, that is, no solid waste collectors or commercial customers will be allowed to utilize the CCC's;
- (2) All CCC's shall have an attendant 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 station is closed;
- (3) Only roll-off containers and/or dumpsters shall be utilized for waste disposal. No compactors of any type shall be used at the site; and

SPECIFIC CONDITIONS:

- (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.

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. Fuel storage shall comply with FAC Chapter 62-761, 62-762, and 40 CFR 280 and 281. Discharges are not allowed and are subject to FAC Chapter 62-770 for cleanup.

Amended 01/31/95, MAR 31 1995.

2. 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. As required by F.A.C. 17-701.500(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 vehicles discharging waste. 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.
Amended 01/31/95.

3. The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. Such control shall prevent the creation of nuisance conditions on adjoining property.

4. The permittee shall not allow the disposal of hazardous waste at this site. Hazardous waste is a solid waste identified by the Department as a hazardous waste in Chapter 17-30, Florida Administrative Code.

5. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. Section 17-701.060, and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means those wastes that require extraordinary management. They include, but are not limited to: abandoned automobiles, white goods, used tires, waste oil, sludges, dead animals, agricultural and industrial wastes, septic tank pumpings, and infectious and hazardous wastes. Sludges which may be hazardous due to their chemical composition should be disposed of in accordance with F.A.C. Section 17-701.040(4). Disposal of Grade III Domestic Wastewater Treatment Sludge, disposal of domestic septage, and disposal of food services sludge, shall be in accordance with F.A.C. Section 17-7.540(6).

SPECIFIC CONDITIONS:

6. The landfill shall have a surface water management system, operated and maintained to prevent surface water flow onto waste filled areas, and a stormwater runoff control system, operated and maintained to collect and control stormwater to meet requirements of Florida Administrative Code Rule 17-25 and requirements of the respective water management district.

7. Stormwater or other surface water which comes into contact with the solid waste or mixed with leachate shall be considered leachate, and shall be treated to meet applicable standards of Florida Administrative Code Rules 17-3, 17-4, and 17-601 at the point of discharge.

8. At least 30 days prior to performance of any sampling or analysis as required by this permit, the permittee shall provide proof that field and laboratory work done in connection with your routine groundwater monitoring is conducted by a firm possessing a general Quality Assurance Project Plan or a comprehensive Quality Assurance Plan approved by the Department. The Comp QAP must specifically address the sampling and analytical work that is required by the permit. The plan shall be required from all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit.

9. Evidence of methane gas buildup or migration may necessitate installation of measures to control such buildup and/or migration in addition to those proposed.

10. An adequate Quality Control Plan shall be submitted to the Department, c/o Solid Waste Section, Southwest District Office, 30 days prior to any new liner installation/construction. The Quality Control Plan shall include installation/construction personnel, all specifications and construction methods and liner testing procedures and sampling frequency. The liner material proposed for use shall be completely described. Laying of the liner shall comply with specific standards that are fully defined in the Quality Control Plan. An acceptable method of testing for pinholes and method for removing or patching pinholes and defective areas shall be completely described. Sampling and testing shall be conducted in the field during construction and after completion by qualified personnel under the direction of the professional engineer in charge to assure the liner will meet the performance standards.

SPECIFIC CONDITIONS:

11. At least 30 days prior to any new liner installation/construction, the permittee shall submit a construction schedule or chart to include the following activities:

- A. Beginning of liner installation/construction.
- B. Completion of liner installation/construction.
- C. Beginning of leachate collection/removal system construction.
- D. Completion of leachate collection/removal system construction.
- E. Beginning of any new leachate treatment/disposal system.
- F. Completion of any new leachate treatment/disposal system construction.

12. 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 Southwest District office of the Department of Environmental Protection.

13. a. During the construction of the modifications to the ZIMPRO leachate treatment plant, the treated leachate (effluent) shall be disposed of at an off-site wastewater treatment plant. The permittee should test for those parameters necessary to adjust the treatment system for effective leachate treatment.

b. Prior to requesting authorization for on-site discharge into the percolation ponds, the permittee shall demonstrate 3 consecutive months of acceptable leachate treatment. Acceptable leachate treatment shall meet the following criteria:

Parameter	Unit	Minimum	Maximum	Frequency
flow	gpd	N/A	30,000	Daily
pH	STD UN	6.00	8.50	Daily
Chlorine Residual	mg/l	N/A	N/A	Daily, if using chlorine
CBOD ₅	mg/l	N/A	20	Weekly
COD	mg/l	(acceptable CBOD ₅ :COD ratio)		Weekly
TSS	mg/l	N/A	20	Weekly
Total Phosphorous	mg/l	N/A	N/A	Weekly
Ammonia Nitrogen	mg/l	N/A	N/A	Weekly
Nitrate-N	mg/l	N/A	12	Weekly
Total Nitrogen	mg/l	N/A	N/A	Weekly
Fecal Coliform	#/100	N/A	200	Weekly
Chloride	mg/l	N/A	N/A	Weekly
Sodium	mg/l	N/A	N/A	Weekly
TDS	mg/l	N/A	N/A	Weekly

SPECIFIC CONDITIONS:

The effluent shall be tested once during the 3 month demonstration period for the parameters listed in Appendix II, 40 CFR Part 258. These test parameters shall meet the Florida Groundwater Standards listed in F.A.C. 62-520.420.

c. After written approval for on-site discharge is obtained from the FDEP- Solid Waste Section, Southwest District, the following effluent testing schedule shall be conducted. Results shall be submitted quarterly. The first quarter of a year shall be submitted on April 15th, the second quarter on July 15th, the third quarter on October 15th and fourth quarter on January 15th.

Parameter	Unit	Minimum	Maximum	Frequency
flow	gpd	N/A	30,000	Daily
pH	STD UN	6.00	8.50	Daily
Chlorine Residual	mg/l	N/A	N/A	Daily, if using chlorine
CBOD ₅	mg/l	N/A	20	Weekly
COD	mg/l	(acceptable CBOD ₅ :COD ratio)		Weekly
TSS	mg/l	N/A	20	Weekly
Total Phosphorous	mg/l	N/A	N/A	Weekly
Ammonia Nitrogen	mg/l	N/A	N/A	Weekly
Nitrate-N	mg/l	N/A	12	Weekly
Total Nitrogen	mg/l	N/A	N/A	Weekly
Fecal Coliform	#/100	N/A	200	Weekly
Chloride	mg/l	N/A	N/A	Weekly
Sodium	mg/l	N/A	N/A	Weekly
TDS	mg/l	N/A	N/A	Weekly
Arsenic	mg/l	N/A	N/A	Quarterly
Barium	mg/l	N/A	N/A	Quarterly
Cadmium	mg/l	N/A	N/A	Quarterly
Chromium	mg/l	N/A	N/A	Quarterly
Iron	mg/l	N/A	N/A	Quarterly
Mercury	mg/l	N/A	N/A	Quarterly
Lead	mg/l	N/A	N/A	Quarterly
Selenium	mg/l	N/A	N/A	Quarterly
Silver	mg/l	N/A	N/A	Quarterly
Total THMs	mg/l	N/A	N/A	Quarterly
Benzene	mg/l	N/A	N/A	Quarterly
Toluene	mg/l	N/A	N/A	Quarterly
Ethylbenzene	mg/l	N/A	N/A	Quarterly
Total Xylenes	mg/l	N/A	N/A	Quarterly

Annually, the effluent shall be tested for the Appendix II parameters listed in 40 CFR Part 258.

SPECIFIC CONDITIONS:

d. Waste sludge from the leachate treatment plant shall be sampled and analyzed annually under an approved Quality Assurance Plan for the following parameters:

Toxic Characteristic Leaching Potential Test (TCLP) for
organics, metals and pesticides
Total Nitrogen (percent dry weight)
Total Phosphorus (percent dry weight)
Total Potassium (percent dry weight)
Cadmium mg/kg (dry weight)
Copper mg/kg (dry weight)
Lead mg/kg (dry weight)
Nickel mg/kg (dry weight)
Zinc mg/kg (dry weight)
pH (standard units)
Solids (percent)

Waste sludge that is not classified as hazardous waste (Chapter 17-730.020, FAC) may be disposed of in the Class I landfill. Based upon the results of the analyses, the Department may require further testing and alternative disposal in order to assure compliance with all Department rules and regulations. The Department shall be notified within thirty (30) days of alternative sludge disposal activities.

The results of the sludge analyses shall be submitted to the Solid Waste Section of the Southwest District of the Department within **sixty** (60) days following sample collection.
Amended 09/24/93, 01/31/95.

14. The goal of the leachate treatment facility shall be to obtain the following concentrations prior to disposal of the treated leachate to the percolation pond system:

<u>Parameter</u>	<u>Concentration</u>	<u>Units</u>
Flow	-	gpd
pH	6.5 - 8.5	std. units
SS	20.	mg/L
BOD ₅	20	mg/L
COD	(acceptable BOD ₅ :COD ratio)	-
Nitrate as N	12	mg/L
Fecal Coliform	N.D.	#/100 ml
Deleted, 09/24/93.		

SPECIFIC CONDITIONS:

15. Within **sixty (60) days** after all specified construction has been completed, the owner or operator shall submit to the Department a certification of construction completion, Form 17-701.900(2), signed and sealed by a professional engineer, and all modifications from the record drawings, and shall arrange for Department representatives to inspect the facility in the company of the permittee, the engineer, and the proposed facility operator.

Amended 01/31/95.

16. Prior to sixty 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.

17. At least 90 days prior to the date when wastes will no longer be acceptable for active portions of the landfill, the landfill owner or operator shall submit a closure permit application to the Department. The final cover shall be placed over the entire surface of each completed portion of the filled areas within 180 days after final wastes deposit date.

18. One Hundred Eighty (180) days prior to the renewal of this permit, the permittee shall sample all active groundwater monitoring wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Public Drinking Water Systems.

Amended, 01/29/91.

19. The Groundwater Monitoring System is designed and constructed by the permittee in accordance with the report submitted on September 30, 1988 by P.B.S.J. The groundwater monitoring wells are located as per Figure 5 of report submitted on September 30, 1988 by P.B.S.J., and Figure 5 of the August 1993 Groundwater Monitoring Plan for the Leachate Disposal Percolation Ponds as follows:

<u>Well Number</u>	<u>Aquifer</u>	<u>Location</u>
MW-1(R)	Floridan	see referenced drawings
MW-2	Floridan	see referenced drawings
MW-3	Floridan (background)	see referenced drawings
MW-B	Floridan	see referenced drawings
MW-4	Floridan	see referenced drawings
MW-5	Floridan	see referenced drawings
MW-6	Floridan	see referenced drawings

All wells are to be clearly labelled and easily visible at all times.

SPECIFIC CONDITIONS:

A surveyed drawing shall be submitted showing the location of all monitoring wells (active and abandoned) which will be horizontally located by metes and bounds or equivalent surveying techniques. The surveyed drawing shall include the monitor well identification number, location and elevation of all permanent benchmark(s) and/or corner monument marker(s) at the site. The survey shall be conducted by a Florida Registered Surveyor.
Amended, 3/31/94, 08/22/94, 01/31/95.

20. All groundwater monitor wells shall be sampled **semi-annually** for the following parameters. However, additional sample(s), well(s) and parameter(s) may be required based upon the subsequent analysis.

FIELD PARAMETERS

Static water level in wells before purging
Specific Conductivity
pH
Dissolved Oxygen
Turbidity
Temperature
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

In addition, new wells MW-1R, MW-4, MW-5 and MW-6 shall be sampled **quarterly** for four consecutive quarters for the parameters listed above.

Amended 01/29/91, 08/22/94.

21. Upon completion of construction of the Groundwater Monitoring System, the following information shall be submitted for all groundwater monitoring wells and any new well(s) constructed:

Well identification
Latitude/Longitude
Aquifer monitored
Screen type and slot size
Screen length
Elevation at top of pipe
Elevation of land surface

Driller's Log
Total depth of well
Casing diameter
Casing type and length
SWFWMD well construction
permit number

SPECIFIC CONDITIONS:

22. The permittee shall sample any new groundwater monitor wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Drinking Water Standards, fecal coliform, and EPA Priority Pollutants. The specific parameters to be sampled and analyzed for are the Primary and Secondary Drinking Water Standards listed in Part III, Quality Standards, Analytical Methods, Sampling, 1/18/89 revision. Amended, 01/29/91.

23. All groundwater monitoring analyses shall be reported on the Department Form 17-1.216(2), Quarterly Report on Groundwater Monitoring. The permittee shall submit to the Department the results of the water quality and leachate analysis no later than the fifteenth (15) day of the month immediately following the end of the sampling period. For semi-annual sampling, the reports shall be submitted by **June 15th** and **January 15th** for the semi-annual periods January-June, and July-December, respectively. The results shall be sent to the Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318. Upon receipt and review of the required data, quarterly sampling and any required modification(s) of the Groundwater Monitor System will be given. Amended, 08/22/94.

24. If at any time background groundwater standards are exceeded at the edge of the zone of discharge, the permittee has fifteen (15) days in which 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 as representative of current groundwater conditions at the facility.

25. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with methods approved by the Department in accordance with Chapters 17-4.246 and 17-3.401, F.A.C. Approved methods are published by the Department or as published in Standard Methods, A.S.T.M., or EPA methods shall be used. Approved methods for chemical analyses are summarized in the Federal Register, December 1, 1976 (41FR52780) except that turbidity shall be measured by the Nephelometric Method.

26. All piezometers and wells not a part of the approved groundwater monitoring plan are to be plugged and abandoned in accordance with Chapter 17-21.10(4), F.A.C., and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the plugged program. A written request for exemption to the plugging of a well must be submitted to the Department's Solid Waste Section for approval.

SPECIFIC CONDITIONS:

27. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department of Environmental Protection immediately and a detailed written report shall follow within seven (7) days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent the recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation.

28. The permittee shall ensure that the water quality standards for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Sections 17-3.402 and 17-3.404, F.A.C.

29. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402, F.A.C. shall not be violated within the zone of discharge.

30. This permit allows improvements near the entrance of the Citrus County Solid Waste Management Facility known as Recycle Alley, to process yard trash into mulch and establish other recycling areas, in accordance with the plans and information submitted on September 13 and 26, 1991 by Citrus County, and in accordance with all applicable requirements of Department rules. Amended, 10/01/91.

31. This permit allows the construction and operation of a waste tire facility in accordance with the information submitted on September 19, 1989, and September 13, 1991 by Citrus County, and in accordance with all applicable requirements of Department rules. Amended, 10/01/91.

32. Waste tires and processed tires at the waste tire storage area shall be stored in accordance with the waste tire site requirements in Rule 17-711.510(F.A.C.).

33. Storage at the waste tire processing facility is limited to 200 tons of waste tires. At no time shall storage exceed 30 times the daily through-put of the processing equipment used. At least 75 percent of both the waste tires and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the area during the year, or disposed of on the site in a permitted solid waste management facility. An annual report summarizing these operations shall be submitted to the Department by March 1, of each year, pursuant to F.A.C. 17-711.530(4).

34. The owner or operator shall control mosquitoes and rodents or request such control measures from the local mosquitoes control office, as so to protect the public health and welfare.

SPECIFIC CONDITIONS:

35. Solid waste may be placed into the new lined expansion area beginning January 1, 1991. Once solid waste has begun being placed into this expansion area, no more solid waste shall thereafter be placed into any previously active cells unless written permission is obtained from the Department.

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

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

38. In the event of damage to any portion of the site's facilities or failure of any portion of the systems or a site condition which may result in the failure to achieve compliance with any applicable department rule or condition of this permit, the permittee shall immediately notify the Department of Environmental Protection explaining such occurrence, remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.
New, 09/11/92.

39. The permittee shall clearly stake the edge of the bottom liner on the north side of Phase I and maintain the locations as the landfill increases in elevation.
Amended, 09/24/93.

40. The permittee shall manage leachate recirculation, specifically initial and intermediate cover shall be permeable to the extent necessary to prevent perched water conditions and gas build-up. Leachate shall not be recirculated during weather conditions or in quantities that may cause run-off outside the solid waste disposal unit, surface seeps, wind blown spray, or exceedance of the limits of the leachate head on the liner. Recirculation of leachate is prohibited on top of areas where final cover has been applied. Irrigation of the final vegetative cover may be done with treated leachate which meets the water quality standards of the receiving water body, if such irrigation does not contribute significantly to leachate generation.
New, 09/24/93.

41. The permittee shall replace or modify the leachate storage impoundment (the old septic pond) to conform to 17-701.400(6) by **January 6, 1995**.
New, 09/24/93.

42. The permittee shall maintain a minimum of two feet of freeboard above the depth which would occur in the even of a 25-year, 24-hour storm in the leachate surface impoundment.
New, 09/24/93.

SPECIFIC CONDITIONS:

43. The aeration system for leachate aeration to maximize evaporation shall be installed and operated in accordance with Sheet 4 of plan titled "Citrus County Central Landfill Stormwater Drainage and Leachate Separation Construction Plans for 80 acre site Phase I" certified by Michael D. Moore on February 1, 1993.
New, 09/24/93.

44. Modifications to the operational and construction plan developed by PBS&J dated August 10, 1990 as indicated on drawings submitted to the Department for Project #89-615 certified by Michael D. Moore on February 1, 1993 shall be implemented in their entirety by **July 1, 1993**.
New, 09/24/93.

45. Seeding and mulching of all slopes shall be as indicated on the "Seeding Plan" submitted to the Department on June 8, 1993. The Department will require that standing grass (minimum height of 3 inches) exist by **November 1, 1993** on all slopes indicated per "seeding plan", in accordance with 17-701 and shall be capable of minimizing erosion of the DRA and internal landfill slopes.
New, 09/24/93.

46. The permittee must operate this facility in accordance with 17-701.500 (FDEP) Landfill Operation Requirements. The Department requests the permittee possess a thorough understanding of 17-701.500 and specifically address 17-701.500(1) - Training Operators per 17-703, 17-701.500(6) Monitoring of Waste, and 17-701.500(8) Leachate Management. The permittee shall submit a contingency plan for leachate management to the Department by **August 1, 1993** per 17-701.500(8)(e).
New, 09/24/93.

47. The permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material.
New, 09/24/93.

48. The permittee shall remove the temporary liner utilized for stormwater drainage as each lift of solid waste from east to west in Phase I is completed. The liner is indicated on plans "Citrus County Central Landfill Stormwater Drainage and Leachate Separation Construction Plans for 80 acre site Phase I" certified by Michael D. Moore and submitted to FDEP on February 1, 1993.
New, 09/24/93.

49. The capacity of the Zimpro PACT plant shall be limited to daily capacity per operation manual dated March 1990.
New, 09/24/93.

SPECIFIC CONDITIONS:

50. A zone of discharge shall be established at a distance of 30 feet or less from the edge of the percolation pond that receives the leachate treatment plant discharge waters. The solid waste disposal units have a zone of discharge located a maximum of 100 feet from the edge of these units, and described in Specific Conditions No. 24, 28 and 29. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402 shall not be violated within this zone of discharge, and that the water quality standards specified in Section 17-520.420 are not exceeded outside the percolation pond's zone of discharge.

New, 09/24/93.

51. A groundwater monitoring plan to monitor the percolation pond's zone of discharge in accordance with Section 17-522.600, F.A.C. shall be submitted to the Solid Waste Section of the Southwest District of the Department by **August 1, 1993**. The monitoring well network shall be installed within three (3) months of plan approval.

If groundwater standards or criteria are exceeded in monitoring wells MW-4, MW-5 or MW-6, the Department shall be notified within 5 working days of receipt of laboratory results. If groundwater standards or criteria are exceeded in these wells, the Department may require other methods of disposal for leachate.

New, 09/24/93. Amended 01/31/95.

52. Monitoring well MW-1 shall be replaced in accordance with the proposed well construction details submitted March 10, 1994 by Citrus County Division of Solid Waste Management. Existing well MW-1 shall be abandoned as stated in Specific Condition No. 26, and new well (MW-1(R)) information shall be submitted as stated in Specific Condition Nos. 19, 21 and 22.

New, 3/31/94.

53. Leachate shall be sampled at the influent to the leachate treatment plant and analyzed **semi-annually** for the following parameters.

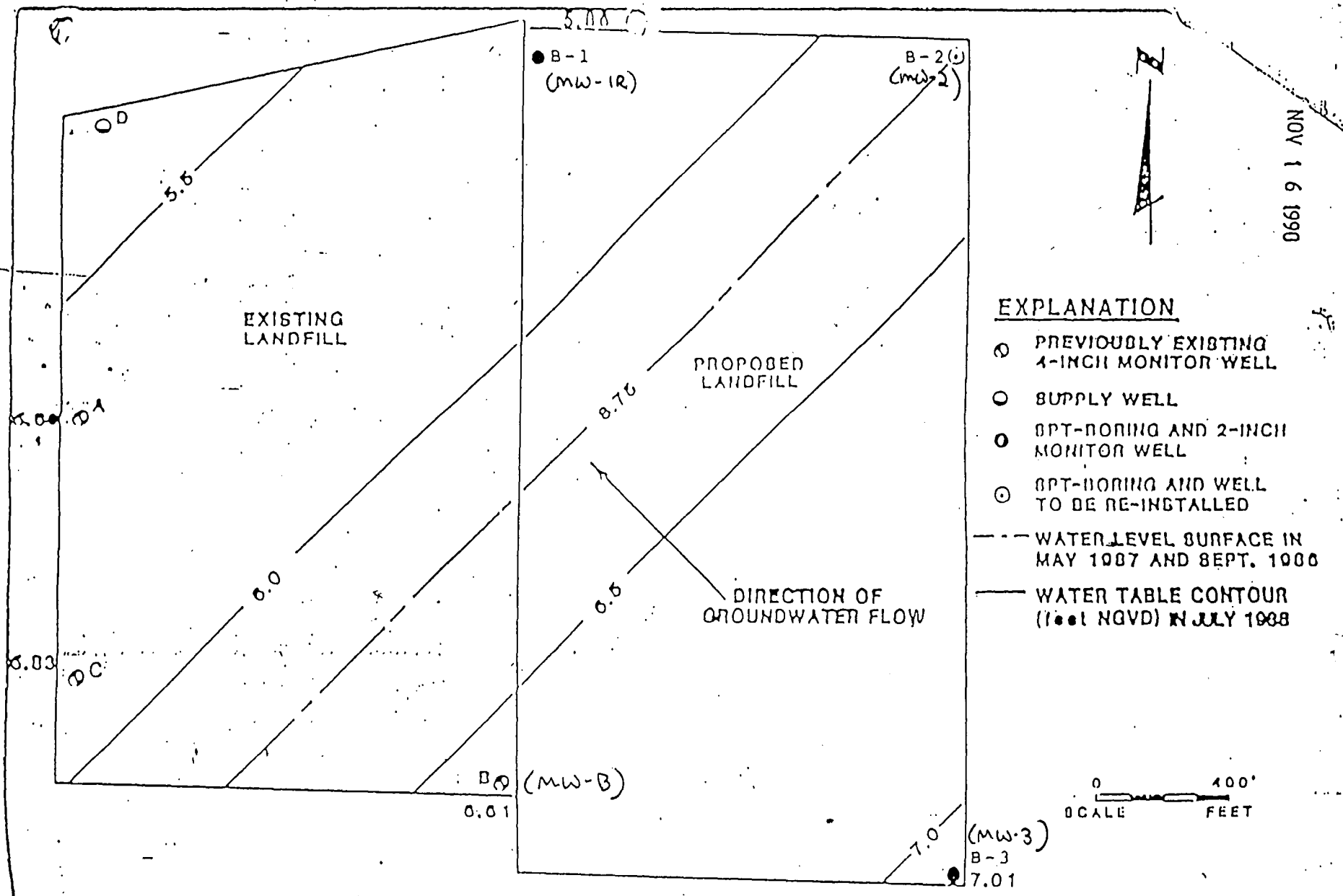
FIELD PARAMETERS

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 I

Leachate shall be sampled **annually** for those parameters listed in 40 CFR Part 258, Appendix II.
New, 08/22/94.



PBSJ

POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CITRUS COUNTY LANDFILL SITE MAP
SHOWING WELL LOCATIONS AND WATER LEVEL CONTOURS

FIGURE 5

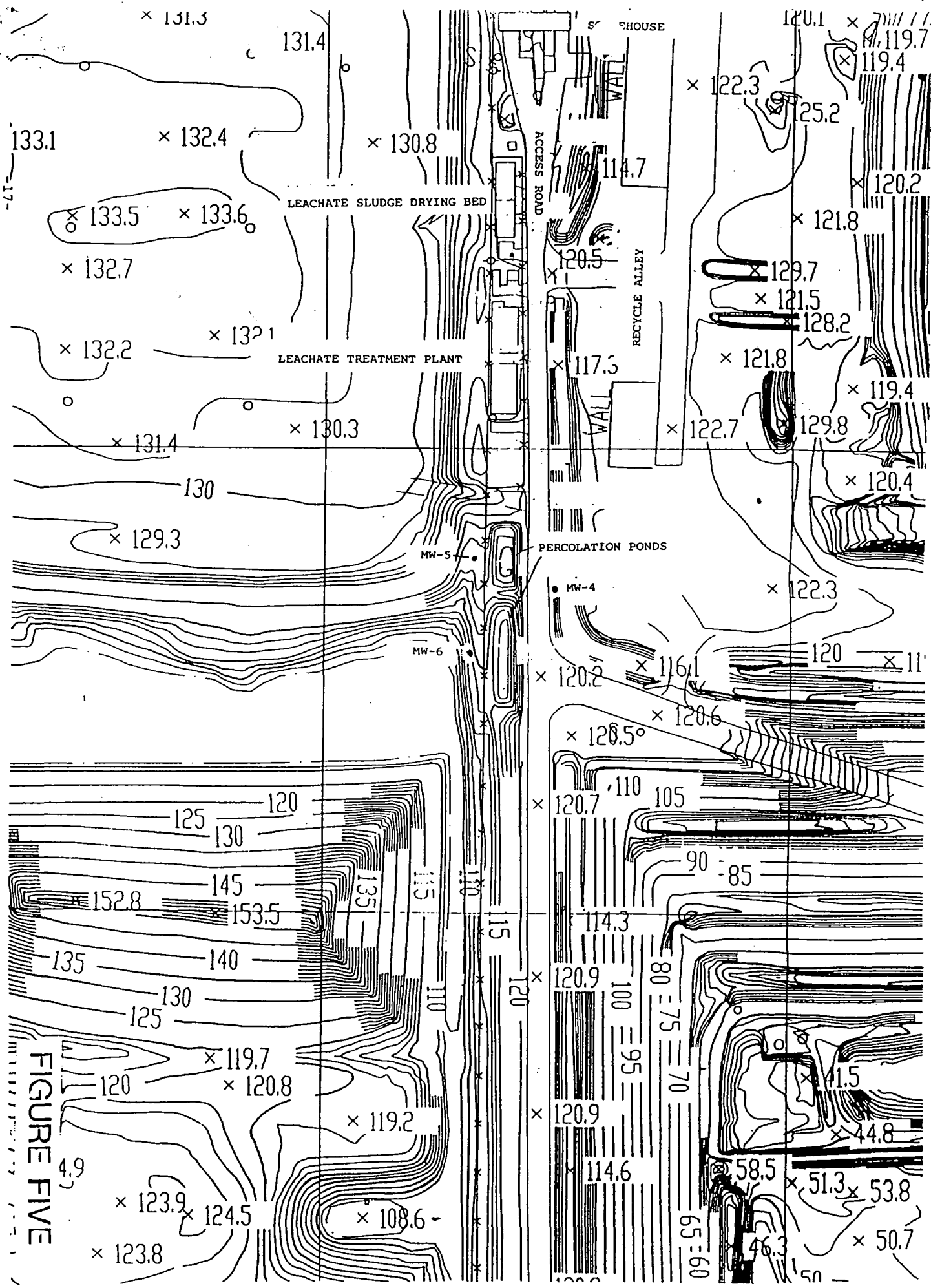


FIGURE FIVE

Florida Department of
Environmental Protection

TO: _____ RICK GARRITY, DDM
 _____ WILLIAM KUTASH, ENV. ADM.
 _____ OGC, ATTN: _____

_____, ENVIRONMENTAL ADMINISTRATOR
 _____, PROGRAM SUPERVISOR
 _____, SECTION SUPERVISOR
 _____, ENG, ENV SPEC, GEOLOGIST

FILE NAME: CITRUS LANDFILL CASE #: 5009-187229
PROGRAM: SOLID WASTE COUNTY: CITRUS

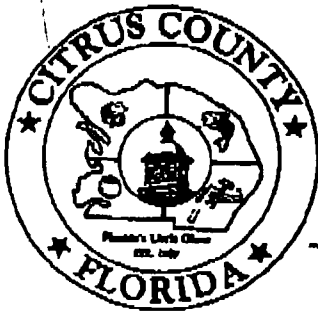
PUBLIC NOTICE PERIOD CLOSED? _____
PETITION? _____ RELEASED BY OGC?

PERMIT SUMMARY: THIS PERMIT MODIFICATION
IS TO ALLOW SITE IMPROVEMENTS
INCLUDING A RECYCLING AND
COMMUNITY WASTE DROP OFF CENTER, AND
USE OF A COLLECTION CENTER

PROFESSIONAL RECOMMENDATION: ☒ APPROVE ☐ DENY

EVALUATION SUMMARY: To Remain
 THESE IMPROVEMENTS. THE DROP OFF CENTER
 WILL MINIMIZE TRAFFIC IN THE LANDFILL.

DAY 90/30 FOR THIS ACTION IS ASAP



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107 Fax (904) 746-1203

Reply To:

Div. Solid Waste Mgmt.
Susan J. Metcalfe, Director
904/746-5000
FAX: 904/527-1204

TIME:

4:30

NO. PAGES:

3

including cover sheet

TO:

Bob Butera

DEP

813/744-6125

FROM:

Susan Metcalfe

c/o Cathy Winter

RE:

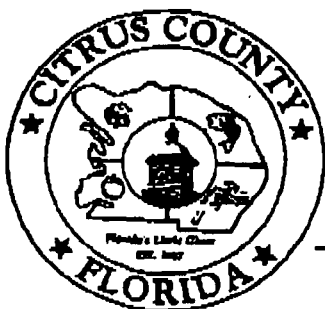
MESSAGE:

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(904) 527-0333 Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(904) 746-6888 Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(904) 746-4107 Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

MEMORANDUM

MEMO TO: Gary Kuhl, Director, Public Works Department

FROM: Susan Metcalfe, Director, Solid Waste Management Division

DATE: June 7, 1995

SUBJECT: DEP Regulations

SJ Metcalfe

In response to the memo from Steve Wylie concerning the "Reality Check" workshop held recently by representatives of DEP, I have listed the items the Solid Waste Management Division would like to reiterate.

We have discovered through participation in our regional solid waste group that certain parts of Chapter 62-701 (the solid waste management facilities rule) are not evenly enforced between districts. For example, Marion County operates remote drop-off sites for both waste and recyclables without major facility permits and does not have leachate collection systems at such sites. The district with which we work, demanded that if we were to establish such sites, that they have full facility permits for each site and that they include leachate collection systems. Additionally, the requirements for the amount and nature of daily cover are interpreted differently in the two districts. Marion regularly reuses cover, resulting in mixing minor amounts of waste with cover which is allowed by their district. Last year we attempted such a method and were cited at our next inspection.

A second comment is that we frequently see the Department acting primarily as an enforcer rather than working toward solutions when problems are encountered. Particularly when local governments who are supported by the same taxpayers as the Department are involved, the only losers are those taxpayers that pay twice. For example, when the landfill leachate treatment plant did not perform according to the permit, the response from DEP was to order it shut down with an unreasonable deadline and then to suggest fines. The County responded as quickly as possible to make the arrangements for off-site treatment and repair of the plant and still faced permitting delays from DEP personnel in the same office, with fines proposed related to the delays. This item is still not resolved.

Facilities Maintenance
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Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(904) 746-5000 Fax 527-1204

YAO DE
3/12**DEF Regulations**
Page 2

The third comment is that the increase in regulations seems perpetual. Never have we seen regulations result in a decrease in capital or operating expenses. Except for recycling and litter, the "feel good" programs, no financial support is received for any of these additional expenses. We have spoken out against those proposed regulations which may be unnecessary, for example, yard waste composting. Our citizen-customers, who have little recognition of the level of regulation we work under, bear the cost while staff and commissioners take the heat.

One positive comment is that we have, on some minor permitting items, seen a better level of cooperation from Department staff in review of those applications.

/cms

Please call Gary and present a
copy of comments.

S.W. ROUTING

Date: 7-13-95

- ☐ Kim Ford _____
- ☐ Steve Morgan _____
- ☐ Allison Amram _____
- ☐ Stephanie Hinson _____
- ☐ Susan Pelz _____
- ☒ Gary Watson _____

DISPOSITION AFTER REVIEW

- ☐ FILE
- ☐ Return to Bob Butera



CITRUS COUNTY PUBLIC WORKS
1300 South Lecanto Highway • P.O. Box 167
Lecanto, Florida 32661
(904) 746-4107 • FAX (904) 746-1203

DATE:

June 30, 1995

TO:

Bob Butera

FAX No.

813-744-6125

Phone No.

813-744-6100 X 451

FROM:

Gary Kuhl

FAX No.

904-746-1203

Phone No.

904-746-4107

Number of pages sent - including cover sheet

2

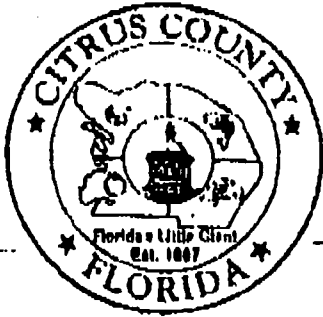
COMMENTS:

7/14/95

Bill called back -

He will have the comments
sent probably Monday
of next week

Amy3:30 pm



Board of County Commissioners

Executive Offices

111 West Main Street, 3rd Floor, Inverness, Florida, 34450

(904) 637-9400 — (904) 637-9810 — Fax (904) 637-9803

June 13, 1995

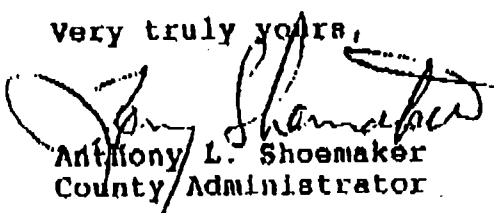
Virginia Wetherell, Secretary
Department of Environmental Protection
Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Dear Secretary Wetherell:

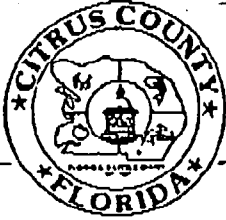
On behalf of the Board of County Commissioners I want to express their appreciation for the Department of Environmental Protection "Reality Check" workshops being held around the State. They believe this approach of those working for State government from Tallahassee making periodic visits to different parts of the State to hear from citizens and local government is a good program and we encourage you to continue.

As a follow-up to the recent meeting in Citrus County, the Board of County Commissioners directed that staff provide you more detailed comments regarding regulations. Attached are comments from the staff which I hope will be of value.

Very truly yours,


Anthony L. Shoemaker
County Administrator

ALS:eh



CITRUS COUNTY PUBLIC WORKS
1300 South Lecanto Highway • P.O. Box 167
Lecanto, Florida 32661
(904) 746-4107 • FAX (904) 746-1203

DATE:

Jan. 13, 1995

TO:

Bob ButeraFDEP - Solid Waste Mgr.FAX No. 813-744-6125Phone No. 813-744-6100

FROM:

Gary Kuhl, DPW

FAX No. 904-746-1203

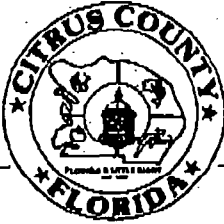
Phone No. 904-746-4107

Number of pages sent - including cover sheet

2

COMMENTS:

Rick,FYI

**CITRUS COUNTY PUBLIC WORKS**

1300 South Lecanto Highway • P.O. Box 167

Lecanto, Florida 34460

(904) 746-4107 • FAX (904) 746-1203

January 13, 1995

Mr. Robert J. Butera, P.E.
Solid Waste Manager
Southwest District
Department of Environmental Protection (FDEP)
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: Proposed Transfer Station Scenarios for the Central
Citrus County Landfill--FDEP Permit Number SO 09-187229

Dear Mr. Butera:

In recent weeks several proposals for a transfer station at the County's current landfill site have been discussed in County Commission meetings. Staff members of FDEP, Tampa and Tallahassee, have been quoted during these meetings as to the Department's requirements for permitting the proposed activities. To clarify the Department's policy on this issue, we would appreciate your written response regarding permitting of the following:

- 1) What, if any, permits or modifications to existing permits would be required to operate a "temporary" transfer station on the "floor" of the existing Phase I landfill cell? How much time would be required by FDEP to review such a proposal?
- 2) Same questions as item 1) above on a "permanent" operating basis.

Thanks very much for your help in this regard.

Sincerely,

A handwritten signature in cursive script that reads "Gary W. Kuhl".

Gary W. Kuhl, P.E. Director
Department of Public Works

GWK:lsb

cc: Anthony L. Shoemaker, County Administrator
Steven J. Wylie, Asst. Co. Administrator
Larry Haag, County Attorney
Gary Herndon, Finance Director
Susan J. Metcalfe, Director SWM



Lawton Chiles
Governor

Florida Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
813-744-6100

Virginia B. Wetherell
Secretary

FAX TRANSMITTAL SHEET

1-13-95
Date

FAXED
1-13-95
RD
3:05 P.M.

TO:

GARY KUHLE, P.E.

DEPT.: DEPT. OF PUBLIC WORKS

FAX #: 904-527-1204

FROM:

BOB BUTERA

DEPT.: D.E.P., Tampa Office

PHONE: 813-744-6100 or SunCom 542-6100 Ext. 451
FAX(local) 744-6125 or (SunCom) 542-6125

SUBJECT:

RESPONSE TO JAN. 13, 1995 LTR - Citrus County Prohibit
TRANSFER STATIONS.

COMMENT:

PLEASE CALL TO DISCUSS, IF YOU HAVE ANY
QUESTIONS - 813-744-6100 X 451

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE: 3

RECEIVED BY: _____

PHONE: _____



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

JAN 13 1995

Mr. Gary W. Kuhl, P.E., Director
Citrus County Department of Public Works
1300 South Lecanto Highway
P.O. Box 167
Lecanto, Florida 34460

Subject: FDEP Response to letter dated January 13, 1995 from Gary W. Kuhl to R. Butera relative to the Proposed Transfer Station Scenarios for the Central Citrus County Landfill FDEP Permit Number S009-187229

Dear Mr. Kuhl:

The Department will allow Citrus County to operate a temporary transfer station on the existing floor of the Phase I landfill cell for a period of 90 days without a permit or permit modification pending approval of the information requested below. No later than the 60th day, the County shall decide if a permanent transfer station is desired and application for the permanent transfer station shall be received by the Department no later than the 90th day. Since this is a general permit (fee - \$250) the Department has only 30 days to approve or deny this application. The Department will expedite its review and will require Citrus County to expedite the bidding, contract award, and construction of this facility as the Department will allow the County to operate the temporary transfer station beyond the 90 days only upon receipt of a permit application for the permanent facility by the 90th day. The Department will not allow operation of the temporary transfer station beyond 180 days or the expiration date of the existing permit whichever occurs first. The Department suggests a pre-application meeting with Citrus County be scheduled for either the temporary or permanent facility in which the Department will identify to the county specifically what information shall be submitted for review.

The Department will require the temporary transfer station to be located over the lined area and set back at least 200 feet from the lined side slopes and the top of the North slope of Phase I. An additional 3 feet of intermediate cover over the existing 18 inches for a total of 4'-6" over the covered waste will be required to safeguard against uncovering existing waste throughout the footprint of the temporary transfer station. The Department strongly suggests use of a paved surface or at least gravel to minimize the removal of soil and the uncovering of buried waste. A berm shall be placed around the entire transfer area to contain leachate for collection and removal. The base of the transfer area shall be sloped away from the North side of the landfill.

Mr. Gary W. Kuhl, P.E. Director
Citrus County
Department of Solid Waste

Page Two

The following limited information for a temporary transfer station in accordance with 62-701.801 FAC will be required to be submitted for Department approval:

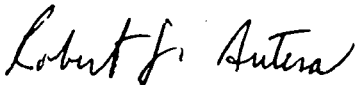
- (1) Specific location and size of the area to be used with berm locations.
- (2) Proposed areas designated for unloading, sorting, storage and loading.
- (3) A description of the general operational plan including traffic flow, litter control, safety, and equipment to be used.
- (4) Cover to be used for waste unloaded late in the day.
- (5) Verification from the disposal facility that the waste will be accepted from Citrus County with dirt.
- (6) Notification as to the specific date the temporary transfer station will commence operation.

The Department will make every effort to review the above information within 7 business days of receipt. The Department will discuss these proposals at this office prior to submittal of this information if the County desires.

The Department suggests that the County contact the Pasco County WTE facility to determine their requirements for accepting waste which may contain significant quantities of soil, resulting from removal of the bottom waste from the floor of the transfer area.

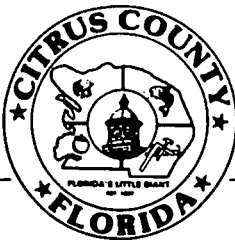
Please do not hesitate to contact me if you have any questions.

Sincerely,



Robert J. Butera, P.E.
Solid Waste Manager
Southwest District

cc: Anthony L. Shoemaker, County Administrator
Steven J. Wylie, Asst. County Administrator
Larry Haag, County Attorney
Gary Herndon, Finance Director
Susan J. Metcalfe, Director SWM
Kim Ford, FDEP Tampa
Steve Morgan, FDEP Tampa
Susan Pelz, FDEP Tampa
Richard Garrity, FDEP District Deputy Director
William Kutash, FDEP Waste Management Program Administrator



CITRUS COUNTY PUBLIC WORKS

1300 South Lecanto Highway • P.O. Box 167

Lecanto, Florida 34460

(904) 746-4107 • FAX (904) 746-1203

January 18, 1995

Dr. Richard Garrity
District Deputy Director
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm drive
Tampa, Florida 33619

RECEIVED
JAN 23 1995
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Subject: FDEP Solid Waste Manager Response to Recent Inquiry

Dear Dr. Garrity:

We in Citrus County appreciate the quick response from Mr. Robert Butera to our recent inquiry regarding transfer station permitting and construction. The item was very important to our County Commissioners and Mr. Butera provided us with a detailed written explanation on the same day as our request was made. Mr. Butera also made a followup call to our offices to make sure we had received his response and to answer any questions.

This cooperative and timely approach helps us all do a better job of accomplishing Citrus County's goals and protecting our environment in a responsible manner. Thank you.

Sincerely,

Gary W. Kuhl, Director
Department of Public Works

GWK:lsh

cc: Anthony L. Shoemaker, County Administrator
Larry Haag, County Attorney
Susan J. Metcalfe, Director SWM