Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

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

May 21, 2001

Re: Citrus Central Landfill, Citrus County
Long-Term Care Permit No. 126601-002-SF

Dear Ms. Metcalfe:

The attached Site Inspection Report reflects the observations made at the referenced facility during the site visit conducted on May 9, 2001. The closed portions of the Citrus Central Landfill facility appeared to be generally well vegetated and no obvious areas of erosion of the soil cover were observed. Several areas of sparse vegetation were observed (see attached site map) although it is noted that these areas appeared to be relatively unchanged from previous inspections. The Department requests that the County continue to observe these areas and conduct activities as needed to maintain the integrity and effectiveness of the final cover. The County's stated intention to label the monitor well identification numbers appears to be appropriate to minimize potential confusion during subsequent sampling events.

The Department appreciates the County's efforts to comply with the long-term care permit. Please contact me at (813) 744-6100 extension 336 if you have any questions.

Sincerely,

John R. Morris, P.G.
Solid Waste Department

Attachments

cc: Robert Butera, P.E., FDEP
Susan Pelz, P.E., FDEP

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B

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

May 10, 2001

SITE INSPECTION REPORT

OWNER/OPERATOR: Citrus County Solid Waste Management
Ms. Susan Metcalfe, P.G.
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

NAME OF SITE: Citrus Central Closed Class 1 Landfill
SITE ADDRESS: 230 Gulf to Lake Hwy
CITY: Lecanto, FL

INSPECTION DATE: May 9, 2001

PERMIT NO: 126601-002-SF

REASON FOR VISIT:

- COMPLIANCE INSPECTION __X__.
- PERMITTING INSPECTION _____.
- COMPLAINT INVESTIGATION _____.

PERSONS PRESENT: Stephanie Petro (FDEP); David Chamblin, Susie Metcalfe (Citrus County)

SUMMARY REPORT:

This was an annual inspection of the Citrus Central Closed Class 1 Landfill conducted by Department personnel to ensure compliance with the above permit. All fourteen groundwater monitoring wells were inspected. MW-A and MW-E are located on the west side of the property fence; MW-2 is located on the east side of the property fence. All three of these wells must be accessed thorough a locked fence. MW-3, MW-6, and MW-8 were not locked. It is recommended that these be locked to ensure protection of the groundwater. For future identification purposes, MW-B, MW-C, and MW-D are contained inside locked metal boxes. These were the original groundwater wells on the property before the landfill was developed. MW-2, MW-3, MW-9, MW-B, MW-C, and MW-D were not labeled. It is recommended that the monitoring wells be labeled for easy identification during sampling and inspection events. Ms. Metcalfe and Mr. Chamblin indicated that it is their intention to post identification signs at each well.

Areas with minimal vegetation that are located on the northwest and northeast side slopes of the steep, uncapped cell appear to have remain unchanged since the last inspection in January 2000. It appears that mulched yard waste has been applied to the area of sparse vegetation that is located between the new pond and the capped cell. Weeds are growing through the mulch in some places.

A vegetative buffer has been added on the north side of the landfill along the fence boundary parallel to Gulf to Lake Highway. This area consists of a landscaped slope that contains pine seedlings, other plants, and yard waste mulch. Some plastic bag litter was noted in the mulch. The buffer is located approximately 125 feet north of the old closed fill areas.

Filled areas not mentioned above appear to be well vegetated with no areas of visible erosion. It is not known whether there are any low spots allow ponding, as it was not wet and hadn't recently rained.

The Withalacoochee National Forest still leases part of the closed landfill property to the Withalacoochee Training Institute for tactical (firearms) training for the Sheriff's Department. The officers use a separate secured entrance to the west of the official landfill entrance.

No odors, or signs of digging or dumping were observed.

FDEP REPRESENTATIVE: Stephanie Petro 5/21/01

Stephanie Petro, ES1 Solid Waste Section Date

cc: Susan Pelz, P.E.
John Morris, P.G.

MAY 9, 2001 SITE VISIT (STEPHANIE)

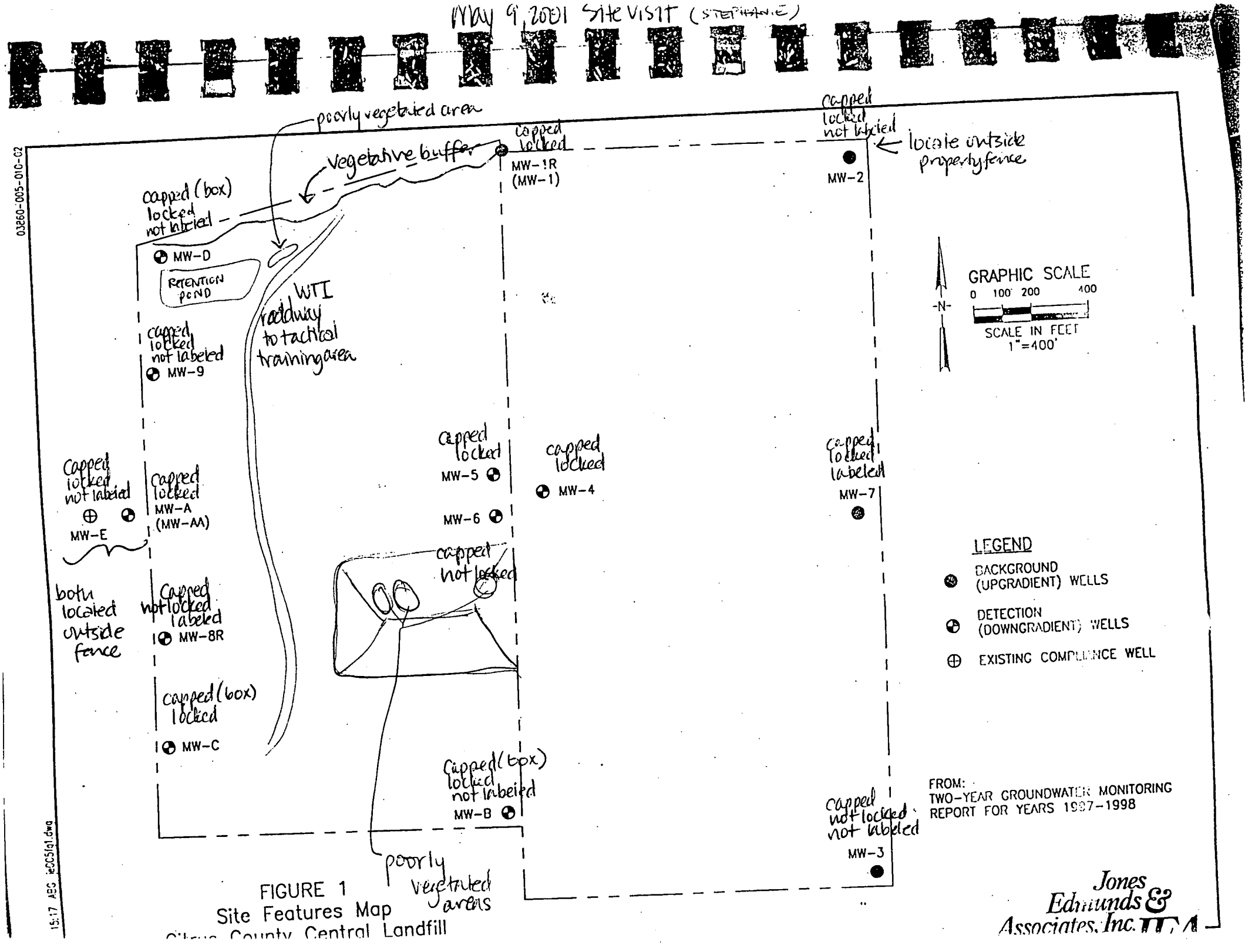

FIGURE 1
Site Features Map
Citrus County Central Landfill

Jones Edmunds & Associates, Inc.

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

May 15, 2000

RECEIVED
MAY 17 2000
Department of Env...
SOUTHWEST
BY _____

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

Re: Citrus County Central Landfill, Closed Site
Permit No. 126601-002-SF

Dear Mr. Ford:

This is to follow up on an incident that occurred at the east side lift station on the closed landfill on January 28, 2000. All repairs have been completed.

In a separate incident in late April, the pump for that unit burned out. We suspect that one of the control floats stuck with the pump in the "on" mode allowing it to run continuously for at least one full day. The replacement pump will be installed this week. An alternate method of level sensor and pump controls will be used that should avoid the problem of clearance with floats.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Ray Dever, SCS Engineers

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

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REPLY TO:
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P.O. Box 340
Lecanto, Florida 34460-0340

MAY 17 2000

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

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May 15, 2000

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

Re: Citrus County Central Landfill, Closed Site
Permit No. SF09-211030

Dear Mr. Ford:

The drywall-recycling project that was the subject of my November 2, 1999 letter to you has been completed. Material was temporarily stored near the entrance to the closed landfill. However, subsequent to that, the storage pile was moved to an unused area of the active landfill that had intermediate cover. Processing was performed on April 25 and that area has been cleared of all residues. Waste from the grinding process (paper backing material and minor adhering gypsum was disposed in our landfill.

Please let me know if you need additional information. Thank you.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Kenneth E. Saunders, Jr., Director, Public Works Department
Frank Wentzel, Recycling Specialist
Chuck McLendon, R. W. Beck

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D.E.P.
FEB 24 2000
Southwest District Tampa

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

February 22, 2000

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

Re: Citrus County Central Landfill, Closed Site
Permit No. 126601-002-SF

Dear Mr. Ford:

This is to follow up on an incident that occurred at the east side lift station on the closed landfill on January 28, 2000. Most repairs have been made and leachate pumping was resumed on February 18. The only items left to complete are: installation of new flame arrestors on both lift stations, moving the flare units farther away from the lift stations, securing the floats to a more rigid attachment and sealing of all the openings. That work should be completed within two to three weeks.

The attached memo details the findings of the inspections and the repair actions that have been completed. Please contact me if you have questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Ray Dever, SCS Engineers

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

D.E.P.
FEB 07 2000
Southwest District Tampa

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

February 3, 2000

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

Re: Citrus County Central Landfill, Closed Site
Permit No. 126601-002-SF

Dear Mr. Ford:

This is to report an incident that occurred at the east side lift station on the closed landfill on January 28, 2000. The result was significant property damage but no injuries. As a result of the incident, we have suspended pumping leachate from the closed site until we can be assured of safe operation and repairs are complete.

An explosion lifted the concrete lid off the base, detaching the conduits for leachate discharge, electrical power, pump control floats and gas venting and breaking the lid. There is damage inside the lift station shaft from heat or flame on the float wires, electrical cable, and leachate discharge line. Exterior to the concrete shaft, there is heat/fire damage to the plastic pipe that connects the lift station to the gas flare. We have not yet inspected the pump for damage, nor the gas flare equipment.

Inspections have been performed by several entities. These include the electrical contractor who recently completed a project to move the power panel away from the shaft. No damage was observed in the power panel or junction box. This also removes one possible ignition source as a contributor. SCS Engineers has visited the site and is reviewing observations to assist us with modifications that may need to accompany repairs to avoid a repeat of this incident. WES, Inc., the contractor that made repairs to the facility in 1996 has inspected the site and is preparing a scope and cost for repairs. County staff and insurance representatives have also made observations and comments.

At this time, we do not know the ignition source. The obvious fuel is methane gas from the landfill and apparently the gas/oxygen mixture reached the explosive range, either at the LEL or the UEL. I will keep you informed on progress in the investigation and repair. Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department

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Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

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

January 31, 2000

Re: Citrus Central Landfill, Citrus County
Long-Term Care Permit No. 126601-002-SF

Dear Ms. Metcalfe:

The attached Site Inspection Report reflects the observations made at the referenced facility during the site visit conducted on January 4, 2000. The closed portions of the Citrus Central Landfill facility appeared to be generally well vegetated and no obvious areas were observed that would appear to pond stormwater over fill material. Several areas of open ground or sparse vegetation were observed between the filled cells and the northwest retention pond. Some isolated areas of erosion were observed in this portion of the facility. Maintenance of these areas may be appropriate to protect the integrity of the cover material. Additionally, several monitor wells located along the western boundary may require maintenance to repair rusted hinges on the protective casings.

Please contact me at (813) 744-6100 extension 336 if you have any questions.

Sincerely,

John R. Morris, P.G.
Solid Waste Department

Attachment

cc: Robert Butera, P.E., FDEP
Stephanie Petro, FDEP

65380 - I

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

SITE INSPECTION REPORT

NAME OF SITE: CITRUS CENTRAL CLOSED LANDFILL DATE: 1/4/2000
SITE ADDRESS/LOCATION: 230 GULF TO LAKE HWY
CITY: LECANTO, FL PERMIT #: 126601-002-SF

REASON FOR VISIT:

- COMPLIANCE INSPECTION ✓
- PERMITTING INSPECTION ____
- COMPLAINT INVESTIGATION ____

PERSONS PRESENT: STEPHANIE PETRO (FDEP), SARA SMITHEE (FDEP)
SUSAN METCALFE (CITRUS CO.)

SUMMARY REPORT: POORLY VEGETATED AREAS ON STEEP UNCAPPED CLOSED LANDFILL ARE STATUS QUO - STILL UNVEGETATED BUT NOT ERODED. SUSAN METCALFE SAID THEY HAD BEEN THAT WAY FOR YEARS. FENCING HAS BEEN INSTALLED ON WEST AND SOUTH SIDE. FENCE NOT INSTALLED BEHIND SHOOTING RANGE BUT FENCE TIES INTO HIGH BERMS THAT SERVE AS A FENCE. EROSION OF FLAT AREA BETWEEN NW RETENTION POND AND LINED CLOSED CL1. PROTECTIVE CASINGS ON SEVERAL WELLS ON WEST SIDE ARE IN DISREPAIR (RUSTED HINGES - CAN PULL CASING TOPS OFF) (CHECK WELLS MW-9, MW-AA, & MW-8)

VIOLATIONS NOTED: ____

DEP REPRESENTATIVE: /S/Stephanie Petro

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

January 13, 2000

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

Re: Gypsum Drywall Recycling
Permit #126601-002-SF, Citrus County

Dear Ms. Metcalfe:

The Department's Southwest District Solid Waste Section has no objection to the gypsum recycling project as described in your November 2, 1999 letter (attached). Please keep the gypsum drywall area neat, clean and free from litter, and maintained to prevent contaminates from entering ditches and nearby retention ponds.

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

Sincerely,

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

KBF/ab
Attachment

cc: Kenneth Saunders, Citrus County
Robert Butera, P.E, FDEP Tampa

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

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

Re: Citrus County Central Landfill, Closed Site
Permit No. SF09-211030

Dear Mr. Ford:

Citrus County has recently been awarded grant funding from FDEP for a research project concerning recycling of gypsum drywall. As you are aware, when drywall is disposed in landfills, an objectionable odor may develop. This research will investigate reuse rather than disposal. A copy of the scope of work approved by FDEP is attached. Our project will investigate reuse as feedstock in the drywall manufacture process and in the cement manufacture process. Two other studies are being conducted simultaneously by other groups to study the feasibility of composting drywall material and preparing soil amendment product.

We are requesting permission to use a portion of the closed landfill site, which is covered by the referenced permit, for part of this project. We have also requested permission from the Division of Forestry for use of this property, which is covered by a sublease of state lands. Our request is to use the area outlined on the attached map for storage of collected drywall material and possibly processing and storage of processed drywall during the study period. Processing and storage of product may be completed elsewhere.

We anticipate collecting approximately 50 tons of clean drywall from residential construction sites. If tightly stacked, this would occupy an area about 20 feet square by 6 feet high. We anticipate using an area no larger than about 50 feet square. The ground surface in the area we would like to use includes the slab from the previous landfill office and compacted limerock from the parking area surrounding the office. The only vegetation type in this area currently is grass. The drywall will be covered with tarps to prevent wetting. We may also use lightweight plastic underneath the material if the ground is damp when this phase of the project starts and if the processor and end users indicate that moisture is

D.E.P.
NOV 05 1999
Southwest District Tampa

undesirable. If processing takes place at the site, dust control measures will be used. Any processed material will be stored in enclosed containers. At the end of the project we will remove all raw material, by-product and processed material. Grass will be replanted in the unpaved area. The requested use area lies within the groundwater and gas monitoring system of the closed landfill site.

The material collection phase of the project should begin within two weeks and may last about six months. The final report will be prepared before August 2000.

Please let me know if you need additional information. Thank you.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Kenneth E. Saunders, Jr., Director, Public Works Department
Frank Wentzel, Recycling Specialist
Chuck McLendon, R. W. Beck

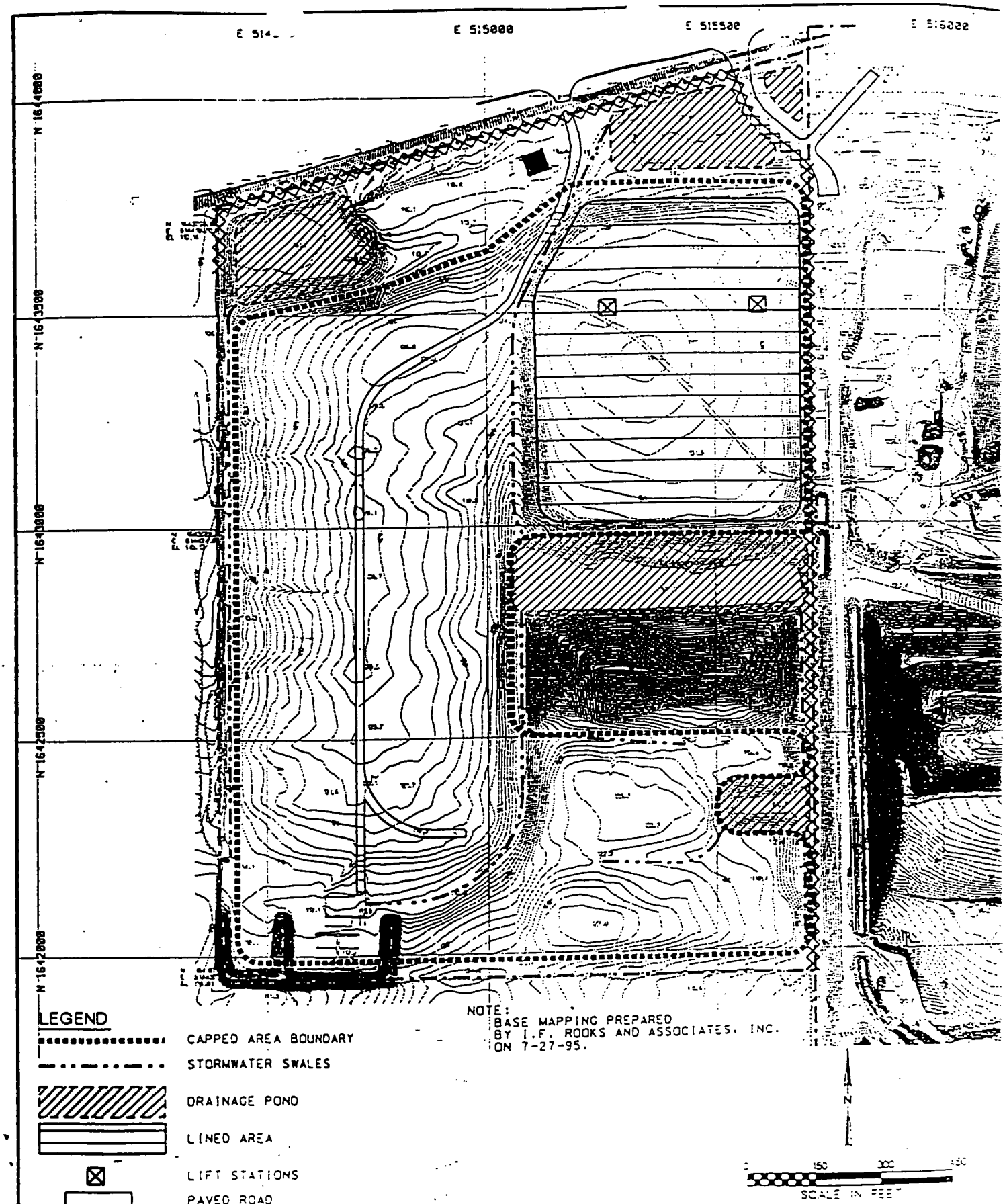

FIGURE 2A

Existing Features of Closed 60-Acre Landfill

figure2a.dlv

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REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

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Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill, Closed Site
Permit No. SF09-211030

Dear Mr. Ford:

Citrus County has recently been awarded grant funding from FDEP for a research project concerning recycling of gypsum drywall. As you are aware, when drywall is disposed in landfills, an objectionable odor may develop. This research will investigate reuse rather than disposal. A copy of the scope of work approved by FDEP is attached. Our project will investigate reuse as feedstock in the drywall manufacture process and in the cement manufacture process. Two other studies are being conducted simultaneously by other groups to study the feasibility of composting drywall material and preparing soil amendment product.

We are requesting permission to use a portion of the closed landfill site, which is covered by the referenced permit, for part of this project. We have also requested permission from the Division of Forestry for use of this property, which is covered by a sublease of state lands. Our request is to use the area outlined on the attached map for storage of collected drywall material and possibly processing and storage of processed drywall during the study period. Processing and storage of product may be completed elsewhere.

We anticipate collecting approximately 50 tons of clean drywall from residential construction sites. If tightly stacked, this would occupy an area about 20 feet square by 6 feet high. We anticipate using an area no larger than about 50 feet square. The ground surface in the area we would like to use includes the slab from the previous landfill office and compacted limerock from the parking area surrounding the office. The only vegetation type in this area currently is grass. The drywall will be covered with tarps to prevent wetting. We may also use lightweight plastic underneath the material if the ground is damp when this phase of the project starts and if the processor and end users indicate that moisture is

D.E.P.
NOV 05 1999
Southwest District Tampa

undesirable. If processing takes place at the site, dust control measures will be used. Any processed material will be stored in enclosed containers. At the end of the project we will remove all raw material, by-product and processed material. Grass will be replanted in the unpaved area. The requested use area lies within the groundwater and gas monitoring system of the closed landfill site.

The material collection phase of the project should begin within two weeks and may last about six months. The final report will be prepared before August 2000.

Please let me know if you need additional information. Thank you.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Kenneth E. Saunders, Jr., Director, Public Works Department
Frank Wentzel, Recycling Specialist
Chuck McLendon, R. W. Beck

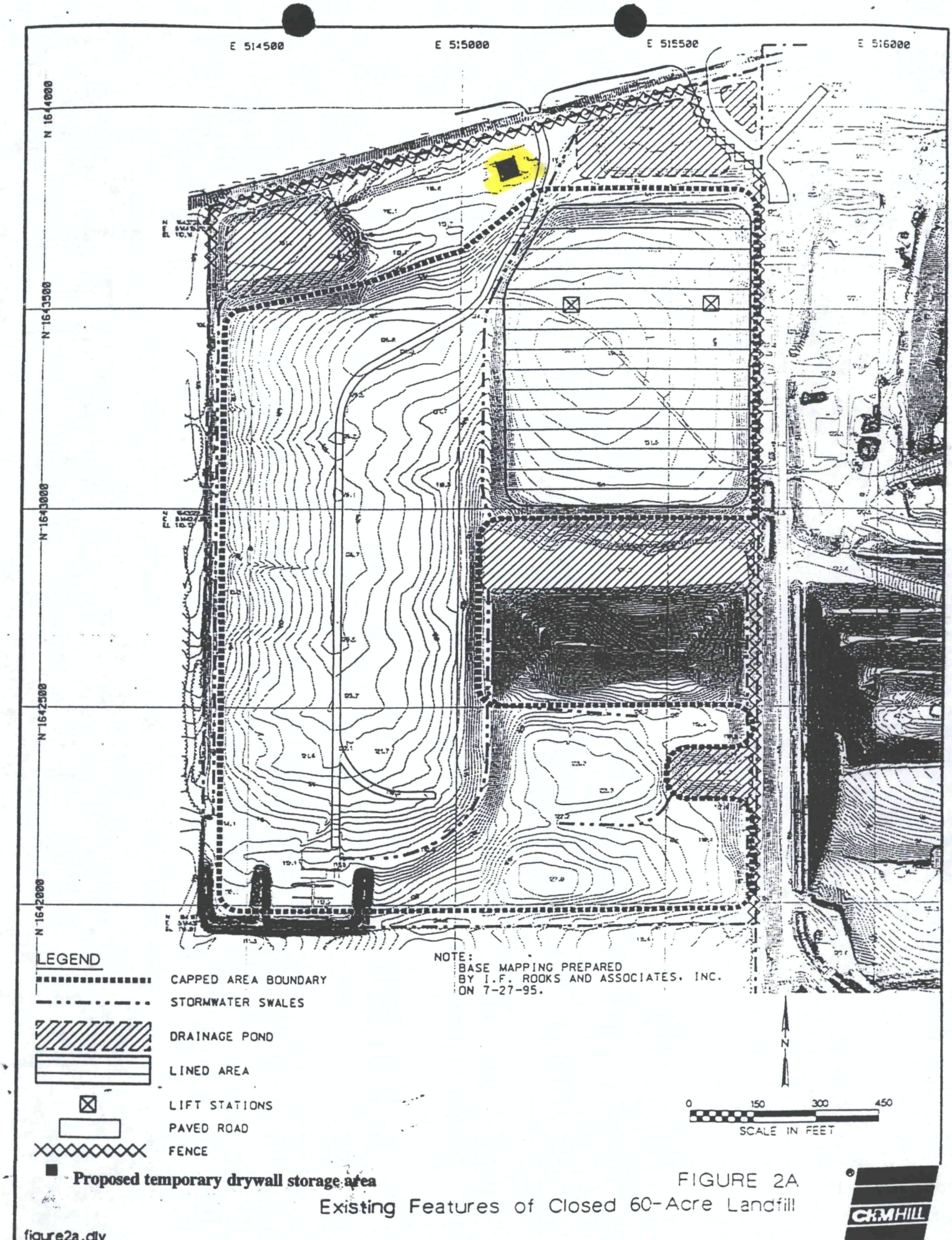

FIGURE 2A

Existing Features of Closed 60-Acre Landfill

figure2a.dlv

TASK ORDER #1

SCOPE OF SERVICES

DRYWALL RECYCLING IMPLEMENTATION PROGRAM

INTRODUCTION

Citrus County and Putnam County (Counties) have been awarded a joint Innovative Recycling Grant by the Florida Department of Environmental Protection (FDEP). The grant project will seek to develop and evaluate collection, processing, and end-use systems for the recycling of gypsum drywall.

Gypsum drywall, or wallboard, is estimated to represent 10 to 30 percent (by weight) of Florida's construction and demolition (C&D) waste stream. Gypsum drywall is commonly used for interior walls in structures because of its superior fire resistant properties. However, disposal of gypsum drywall in landfills may result in the production of hydrogen sulfide (H_2S), an odorous and toxic gas. Complaints from local residents who live near disposal sites that receive large quantities of gypsum drywall have required remedial action at the facilities in some cases. Because of concerns like this, disposal of gypsum drywall in landfills is banned in some areas of North America.

Citrus County will retain R.W. Beck, Inc. and its subcontractor (the University of Florida) to assist the County in implementing the grant project. R.W. Beck is being retained by the County for its expertise in implementing recycling programs including solid waste research, planning, monitoring, and report writing. R.W. Beck will work with the County to ensure that the requirements of the FDEP project are met and that the project is executed in a professional manner. R.W. Beck's approach to this project will consist of a four-phase approach:

- Phase I will study the feasibility of drywall collection in Putnam and Citrus Counties, including a review of existing North American drywall recovery programs;
- Phase II will involve planning and implementing drywall collection and processing programs;
- Phase III will seek to study/develop markets for the recovered drywall among industrial manufacturers throughout Florida; and
- Phase IV of the project will spread the lessons learned from this project to other interested parties.

SCOPE OF SERVICES

The following sections will address the specific steps to be taken by R.W. Beck in implementing the four-phase project approach.

PHASE I – INVESTIGATE FEASIBILITY OF DRYWALL COLLECTION

Task 1a: Develop Project Advisory Group

The purpose of this task is twofold: (1) to ensure cooperation between the New River Solid Waste Association (NRSWA) and the Okaloosa County drywall recovery programs in an effort

to eliminate duplication; and (2) to develop an advisory group of individuals that could provide valuable input to the project. R.W. Beck will develop an advisory group that will likely include:

- Citrus and Putnam County Solid Waste Department staff;
- Solid waste staff from municipalities within Putnam and Citrus Counties;
- Representatives from the building and construction industry the Counties;
- Landfill operators in the Counties;
- Solid waste collectors in the Counties;
- Potential end-users (including U.S. Gypsum and Florida Crushed Stone);
- Consultants and advisors knowledgeable about C&D and drywall recovery; and
- Other appropriate parties as desired.

R.W. Beck anticipates that the advisory group will meet 2 to 3 times over the course of the project. The deliverable for this task will be a detailed accounting of the minutes of the project advisory group meetings. R.W. Beck will be available for a reasonable number (not to exceed 10) of individual meetings with builders, drywall contractors, haulers, C&D landfill operators, etc. as required to develop an understanding of the logistics required to establish a pilot program in Citrus and Putnam County.

Task 1b: Research Existing Programs and Data

In order to learn from existing drywall recovery programs, R.W. Beck will attempt to first gather data on existing drywall recovery programs in North America prior to implementing a program. Data for this task will be collected via an internet search and additional telephone/mail research as necessary. Parties involved in existing drywall recovery operations will be interviewed to obtain an understanding of the drivers, success factors, and mistakes incurred in implementing these programs. Other critical information such as tipping fees, market specifications, etc. will be gathered during the interview process as well.

The deliverable for this task will be a summary letter report describing existing drywall recovery programs throughout North America.

PHASE II – PLAN AND IMPLEMENT COLLECTION PROGRAMS

Task 2a: Develop Implementation Plan(s)

Based on the data collected in Phase I, R.W. Beck will develop a plan for implementing a drywall recycling program in Citrus and Putnam County. In addition to the specific steps to be undertaken in implementing the program and the specific locations in Putnam and Citrus County to target, the plan will recommend incentive and promotional/educational options to encourage generators to participate in the drywall recovery programs.

Task 2a will also include researching and procuring equipment to process the collected drywall into a form satisfactory for end-market use. To the extent possible, the Counties and R.W. Beck will coordinate with the NRSWA to determine if equipment could be shared or procured jointly. Prior to procuring the equipment, R.W. Beck will consult with the proposed recycled drywall end-users to ensure that the processed materials will meet specifications.

The plan will also evaluate and recommend several options for processing the collected drywall. Options for processing may include transporting a mobile grinder to each County for processing collected materials, transporting collected drywall to a single location for processing, or other options yet to be determined.

The deliverable for this task will be one or more plan documents for implementing drywall recovery in Citrus and Putnam Counties.

Task 2b: Pilot Collection, Storage, Processing, and Transportation Programs

R.W. Beck will assist the Counties in implementing drywall collection at the locations recommended in the implementation plan. The implementation plan will likely call for pilot collection programs to be implemented at both construction site locations and landfill facilities, if feasible. With assistance from the Counties, R.W. Beck will be responsible for coordinating with the relevant parties (drywall contractors, haulers, C&D landfill operators, etc.) to kick-off and operate the pilot collection programs. R.W. Beck will also be responsible for developing, printing, and distributing promotional materials (fliers, etc.) for the program.

At this time, it is uncertain where the collected drywall will be processed and who will be responsible for processing (Citrus County, Putnam County, NRSWA, or contract processor). R.W. Beck will work with the Counties and the NRSWA to determine the most appropriate processing technology and location. This task will also include a significant amount of trial processing by the Counties or contract processor in an effort to meet end-user specifications. It is likely that several weeks of processing will be required in order to determine the proper sourcing patterns, equipment use, etc. before a useable recycled feedstock can be produced.

In addition to coordination responsibilities, R.W. Beck will be responsible for documenting the results of the collection, storage, processing, and transportation systems (including collection cost, quantity and quality of collected materials, ability to keep material dry, effectiveness of equipment, etc.). Quantities of other recyclables (such as metals, wood, and OCC) collected as part of the pilot program will be documented as well.

It should be noted that all processing equipment purchases, hauling charges, tipping fees, etc. will be the responsibility of Citrus County (and/or Putnam County depending upon negotiations between the Counties). To the extent that third party contractors are not retained for collection, transport, and processing services, Citrus County (and/or Putnam County) will also be responsible for providing staff for these kinds of services.

PHASE III – END-MARKET DEVELOPMENT AND TESTING

This phase of the project will include working with selected end-users to evaluate the use of recycled drywall in industrial applications (which thus far include the manufacture of new gypsum drywall and cement). Similar to the processing discussion above, a significant amount of time and effort will be placed on developing a suitable "recipe" for incorporating recycled drywall into these industrial applications. The results of the end-market testing will be summarized in detail as part of Phase IV below.

R.W. Beck's role in this phase of the project will include identifying potential end-users and coordinating logistics with the selected end-users to utilize the recycled drywall materials within their products. This will include documenting the volumes of recycled feedstocks processed, successes, failures, quality problems, contamination issues, etc.

COUNTY'S RESPONSIBILITIES

Citrus County (and Putnam County) will be required to perform the following functions to ensure that the goals of the project are met:

- Attend necessary project meetings;
- Provide staff to assist in overall project coordination including scheduling pick-ups and deliveries between builders, drywall contractors, haulers, C&D landfill operators, and other necessary parties; and
- Provide staff for collection, equipment operation, transportation, etc. to the extent that third party vendors are not retained.

PHASE IV – SHARE/TRANSFER RESULTS TO OTHERS

The results of this project will be shared as part of a combined report prepared by R.W. Beck in conjunction with the NRSWA and the Okaloosa County drywall recycling projects. In addition, R.W. Beck will be responsible for performing a conference presentation or preparing a magazine article to further share the results of this project (as required by the FDEP).

PROJECT BUDGET AND INVOICING SCHEDULE

Citrus County will pay R.W. Beck, Inc. (and its subcontractor UF) a fixed fee of $92,143 to perform the services described in Phases 1 – 4 above. R.W. Beck will be paid by Citrus County in accordance with the invoice/deliverable schedule below:

Invoices to Issued upon Completion of the following Deliverables:	Invoice Amount	Cumulative Payment
Letter Report on Existing Drywall Recovery Programs	$18,428	$18,428
Final Implementation Plan	$18,428	$36,857
Letter Report on Results of Collection/Processing Program	$18,428	$55,285
Letter Report on Results of End-Market Testing Program	$18,428	$73,713
Conference Presentation Presented	$18,430	$92,143

PROJECT IMPLEMENTATION SCHEDULE

FDEP grant funding for this project becomes available July 1, 1999. Any delays in the start-date of the project (assuming the start-date were July 1) would require that the project timeline be adjusted commensurately.

Major Tasks	Month											
	1	2	3	4	5	6	7	8	9	10	11	12
Project Management	■	■	■	■	■	■	■	■	■	■	■	■
Advisory Group Meetings	■		■						■			
Research Existing Programs	■											
Develop Implementation Plans		■	■									
Collection Pilot Program				■	■	■	■	■	■	■	■	■
Processing Pilot Program					■	■	■	■	■	■	■	■
End-Use Testing/Marketing						■	■	■	■	■	■	■
Share/Transfer Results												■

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

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

April 1, 1999

Re: Citrus Central Landfill, Citrus County
Long-Term Care Permit No. 126601-002-SF

Dear Ms. Metcalfe:

The attached Site Inspection Report reflects the observations made at the referenced facility during the site visit conducted on March 26, 1999. The closed portions of the Citrus Central Landfill facility appeared to be well vegetated and no areas were observed that would appear to pond stormwater over fill material. The few areas of open ground or sparse vegetation that we observed during the site visit were not noticeably eroded. Your intention to address these areas on an as-needed basis appears adequate to protect the integrity of the cover material.

Please contact me at (813) 744-6100 extension 336 if you have any questions.

Sincerely,

John R. Morris, P.G.
Solid Waste Department

cc: Robert Butera, P.E., FDEP Tampa

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

SITE INSPECTION REPORT

NAME OF SITE: CITRUS CENTRAL CLOSED LANDFILL DATE: 3/26/99

SITE ADDRESS/LOCATION: SR 44

CITY: LECANTO/INVERNESS PERMIT #: 126601-002-SF

REASON FOR VISIT:

- COMPLIANCE INSPECTION ✓
- PERMITTING INSPECTION ____
- COMPLAINT INVESTIGATION ____

PERSONS PRESENT: SUSAN METCALFE - CITRUS COUNTY
JOHN MORRIS - FDEP

SUMMARY REPORT:

- FILLED AREAS OF CLOSED 60-ACRE LANDFILL ARE GENERALLY IN GOOD CONDITION AND APPEAR WELL VEGETATED; NO OBVIOUS AREAS OF EROSION OR AREAS THAT WOULD APPEAR TO POND STORMWATER; KEEP TRACK OF SPARSE VEG. OR BARE AREAS
- WELLS AROUND THE PERIMETER OF WHOLE PROPERTY & INTERIOR WELLS APPEARED TO BE IN GOOD CONDITION & WERE LOCKED
- RECENT MAINTENANCE ROUND ON GAS FLARES IDENTIFIED THE NEED FOR SOME REPAIRS THAT HAVE BEEN SCHEDULED
- CHAIN LINK FENCE (6 FT HIGH) WILL BE INSTALLED ALONG WEST & SOUTH SIDES OF CLOSED LF; WILL BE LOCATED ALONG PROPERTY LINE "OUTSIDE" GAS PROBES
- LEACHATE TREATMENT PLANT IS CURRENTLY DOWN; HAULING LEACHATE TO POTW UNTIL ANALYTICAL RESULTS ALLOW RESUMPTION OF PERCOLATION POND DISPOSAL
- MOW FACILITY 3 TIMES PER YEAR; COMING UP ON SPRING MOWING

VIOLATIONS NOTED:

NONE

DEP REPRESENTATIVE: John Morris

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 4/1/99 Subject Citrus Central

Time 11:15 Permit No.

County Citrus

Ms. Susan Metcalfe Telephone No. 352-746-5000

Representing Citrus County Solid Waste

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

Other Individuals Involved in Conversation/Meeting

Summary of Conversation/Meeting

- LEFT MESSAGE W/ RECEPTIONIST REGARDING COST ESTIMATE APPROVAL LETTER (DEC 14, 1998 LETTER OF COST ESTIMATE APPROVAL FOR 1998 FROM SUSAN PELZ)

@ 1450 SUSAN RETURNED CALL

- LETTER OF 12/14/98 FROM SUSAN PELZ IS ADEQUATE FOR SUSAN'S METCALFE'S FILE REGARDING FINANCIAL ASSURANCE / ISSUE OF COST ESTIMATE RELATED TO COVER MATERIAL; NEED TO PROVIDE COST FOR BRINGING ADDITIONAL SOIL TO SITE WHEN HAVE STOCKPILE ON SITE HAS BEEN ADEQUATELY RESOLVED W/ THE DEPARTMENT

(continue on another sheet, if necessary)

Signature J. Mott

Title

PA-01
1/96
pap

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 3/25/99

Time 1545

Subject CLOSED LF INSPECTION

Permit No.

County CITRUS

Ms. SUSAN METCALFE

Telephone No. 352-746-5000

Representing CITRUS COUNTY

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

Other Individuals Involved in Conversation/Meeting

Summary of Conversation/Meeting

LEFT MESSAGE W/ SECRETARY THAT PLAN TO DO INSPECTION OF CLOSED LF FACILITY TOMORROW (3/26/99)

- ESTIMATED LATE MORNING TO EARLY AFTERNOON TIME FRAME

3/26/99 @ 1230 - CALL TO PROVIDE UPDATED TIME FOR SITE INSPECTION

- LEFT MESSAGE W/ RECEPTIONIST

(continue on another sheet, if necessary)

Signature J. Morris

Title

PA-01
1/96
pap

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

October 16, 1998

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

Dear Ms. Metcalfe:

Enclosed is a Permit Number 126601-002-SF, issued pursuant to Section(s) 403.087(1), Florida Statues.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes, or may choose to pursue mediation as an alternative remedy under section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth below.

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

The agreement to mediate must include the following:

(a) The names, addresses, and telephone numbers of any persons who may attend the mediation;

(b) The names, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;

(c) The agreed allocation of the costs and fees associated with the mediation;

(d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, of no mediator has yet been chosen;

(f) The name of each party's representative who shall have authority to settle or recommend settlement; and

(g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.

(h) The signatures of all parties or their authorized representatives.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by sections 120.569 and 120.57 for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions within fourteen days of receipt of this notice. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that they will apply for challenging the agency action and electing remedies under those two statutes.

The petition for an administrative hearing must conform to the requirements of Chapters 62-103 and 28-5.201, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, 32399-3000, within fourteen (14) days of receipt of this notice. Failure to file a petition within fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, 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 or Permit Modification) is final, any party to the Department has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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

KBF/ab
Attachment

cc: Kou-Roung Chang, P.E.
Robert Butera, P.E., 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 Oct. 16, 1998 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

Oct. 16, 1998
Date

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

28-5.201 Initial of Formal Proceedings.

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

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

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

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

(c) A statement of when and how petitioner received notice of the Agency decision of intent to render a decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;

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

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

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

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

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

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

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

SECTION 62-103.155, FLORIDA ADMINISTRATIVE CODE
RULES OF ADMINISTRATIVE PROCEDURE
FINAL AGENCY ACTION (NON-RULEMAKING) AND APPEAL

62-103.155 Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

(1)(a) Any person whose substantial interests may be affected by proposed or final agency action by the Department may file a petition for formal administrative hearing in accordance with this rule if the person disputes the material facts upon which the Department's action is based.

(b) Any person whose substantial interests may be affected by proposed or final action by the Department may file a petition for informal administrative hearing in accordance with this rule if the person objects to the Department's action but does not dispute the material facts upon which the Department's action is based.

(2) A petition for formal or informal administrative hearing pursuant to section 120.57, F.S., shall contain the following information:

'a) The name, address, and telephone number of each petitioner. If the petitioner challenges artment action or proposed action on a permit application, the applicant's name and address, the Department permit file number and the county in which the project is proposed shall also be included;

(b) A statement of how and when each petitioner received notices of the Department action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of those material facts (i.e., those facts upon which the Department's action or proposal is based) is disputed by petitioner. If no facts are disputed, petitioner shall so state;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action;

(g) A statement of relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

(3)(a) A petition shall be in the form required by this rule and must be filed (received) in fice of General Counsel of the Department within the following number of days after receipt or publication (whichever occurs first) of notice of proposed agency action or of notice of agency action:

1. Petitions concerning Department action or proposed action on applications for permits (except permits for hazardous waste facilities): 14 days;

2. Petitions concerning Department action or proposed action on applications for hazardous waste facility permits: 45 days;

3. Petitions concerning notices of violation when no informal conference is held: 20 days after receipt of the notice of violation;

4. Petitions concerning notices of violation when an informal conference is held: 10 days after receipt of notice of completion of the informal conference;

5. Petitions concerning other Department actions or proposed actions: 21 days.

The petitioner shall also serve a copy of the petition on all other parties to the proceeding, as identified in the published notice, at the time of filing.

(b) Failure to timely file a petition within the applicable time period after receipt of notice of agency action or receipt of notice of proposed agency action, whichever notice first occurs, shall constitute a waiver of any right to request an administrative proceeding under Chapter 120, F.S.

(4) If a petition is filed that does not substantially comply with the requirements of subsection (2) of this rule, the Department shall issue an order dismissing the petition with leave to file an amended petition complying with the requirements of this rule within 15 days of service of the order. If an amended petition complying with this rule is not filed (received) within 15 days of service of the order, the petitioner's right to a proceeding under Section 120.57, F.S., is waived.

(5) When there has been no publication of notice of agency action or notice of proposed agency action as prescribed in Rule 62-103.150, F.A.C., a person who has actual knowledge of the agency action or has knowledge which would lead a reasonable person to conclude that the Department has taken final agency action, has a duty to make further inquiry within 14 days of obtaining such knowledge by contacting the Department to ascertain whether action has occurred. The Department shall upon receipt of such an inquiry, if agency action has occurred, promptly provide the person with notice as prescribed by Rule 62-103.150, F.A.C. Failure of the person to make inquiry with the Department within 14 days after obtaining such knowledge may stop the person from obtaining an administrative proceeding on the agency action.

(6)(a) "Receipt of notice of agency action" means receipt of written notice of final agency action, as prescribed by Department rule, or the publication, pursuant to Department rule, of notice of final agency action, whichever first occurs.

(b) "Receipt of notice of proposed agency action" means receipt of written notice (such as a letter of intent) that the Department proposes to take certain action, or the publication pursuant to Department rule of notice of proposed agency action, whichever first occurs.

(7) Notwithstanding any other provision in this Chapter, should a substantially affected person who fails to timely request a hearing under Section 120.57, F.S., administratively appeal the final Department action or order, the record on appeal shall be limited to:

(a) the application and accompanying documentation submitted by the applicant prior to the issuance of the agency's intent to issue or deny the requested permit.

(b) the materials and information relied upon by the agency in determining the final agency action or order;

(c) any notices issued or published; and

(d) the final agency action or order entered concerning the permit application.

(8) In such cases where persons do not timely exercise their rights accorded by Section 120.57(1), Florida Statutes, the allegations of fact contained in or incorporated by the final agency action shall be deemed uncontested and true, and appellants may not dispute the truth of such allegations upon subsequent appeal.

(9) Any applicant may challenge the Department's request for additional information by filing with the Office of General Counsel an appropriate petition for administrative proceeding pursuant to Section 120.60, F.S., following receipt by the applicant of the Department's notification pursuant to Section 403.0876, F.S., that additional information is required.

Specific Authority: 120.53, 403.0876, 403.815, F.S.
Law Implemented: 120.53, F.S.
History: New 9-20-79; Amended 4-28-81; Transferred from 17-1.62 and Amended 6-1-84; Amended 10-19-88, Formerly 17-103.155.

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
c/o Ms Susan Metcalfe, P.G.
Solid Waste Management
P. O. Box 340
Lecanto, FL 34460

PERMIT/CERTIFICATION
GMS ID No: 4009C00086
Permit No: **126601-002-SF**
Date of Issue: **10/16/1998**
Expiration Date: **10/10/2003**
County: Citrus
Lat/Long: 28°51'08"N
82°26'38"W
Sec/Town/Rge: 1/19S/21E
Project: Closed Citrus County
Central Landfill
Long-Term Care

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

To provide long-term care, monitoring and maintenance for the closed Class I landfill and related systems (approximately 60 acres), referred to as the Closed Citrus County Central Landfill, subject to the specific and general conditions attached, located near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida. The specific conditions attached are for long-term care, monitoring and maintenance of:

1. The closed Class I Landfill

Replaces Permit No.: SF09-211030

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

Printed on recycled paper.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

GENERAL CONDITIONS:

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

(a) Have access to and copy any records that must be kept under conditions of the permit;

(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

(c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

(a) A description of and cause of noncompliance; and

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

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

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

GENERAL CONDITIONS:

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

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

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

13. This permit also constitutes:

(a) Determination of Best Available Control Technology (BACT)

(b) Determination of Prevention of Significant Deterioration (PSD)

(c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)

(d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

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

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

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

GENERAL CONDITIONS:

16. In the case of an underground injection control permit, the following permit conditions also shall apply:

(a) All reports or information required by the Department shall be certified as being true, accurate and complete.

(b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

(c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance, and all information required by Rule 62-28.230(4)(b), F.A.C.

(d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the State.

17. The following conditions also shall apply to a hazardous waste facility permit.

(a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

2. Unmanifested waste report. The permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

GENERAL CONDITIONS:

3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within 5 days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.

2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

(c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

(d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

(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.

SPECIFIC CONDITIONS:

1. **Facility Designation.** This landfill site shall be classified as a closed Class I landfill. Long-term care, monitoring and maintenance shall be provided in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, and 62-701, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for conducting long-term care, monitoring and maintenance of the Closed Class I landfill and related systems in accordance with the reports, plans and other information as follows:

- May 1998 Closed Landfill Long-Term Care Permit Renewal Application and supporting information by CH2M Hill received May 28, 1998;
- Supporting information by Citrus County dated July 20, 1998 received July 22, 1998;
- and in accordance with all applicable requirements of Department rules.

3. **Permit Modifications.** Any construction, operation or other activities such as future uses of the closed landfill, not previously approved as part of this permit may require a separate Department permit unless the Department determines a permit modification to be more appropriate, or unless otherwise approved in writing by the Department. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

4. **Permit Renewal.** No later than **one hundred eighty (180) days** before the expiration of the Department Permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by F.A.C. 62-701.330(3).

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

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

7. **Leachate Management.** Leachate shall be managed and related systems maintained in accordance with the current Citrus County Central Class I Landfill operation permit #SO09-274381 or its replacement.

8. **Gas Monitoring.** Landfill gas shall be monitored and related systems maintained in accordance with the current Citrus County Central Class I Landfill operation permit #SO09-274381 or its replacement.

SPECIFIC CONDITIONS:

9. **Stormwater System Management.** Stormwater shall be managed and related systems maintained in accordance with the current Citrus County Central Class I Landfill operation permit #SO09-274381 or its replacement.

10. **Ground Water Monitoring.** Groundwater monitoring shall be provided in accordance with the current Citrus County Central Class I Landfill operation permit #SO09-274381 or its replacement.

11. **Financial Assurance.** Financial assurance shall be provided in accordance with the current Citrus County Central Class I Landfill operation permit #SO09-274381 or its replacement.

12. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this facility. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control mosquitoes and rodents so as to protect the public health and welfare.

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

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

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

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

SPECIFIC CONDITIONS:

17. **Regulations.** F.A.C. 62-701, effective May 19, 1994, is incorporated into this permit by reference. In the event that the regulations governing this permitted facility are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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

Attachment 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
4.	180 days prior to permit expiration	Permit Renewal Application
7.	see current operation permit	Leachate Management
8.	see current operation permit	Gas Monitoring
10.	see current operation permit	Ground Water Monitoring
11.	see current operation permit	Financial Assurance

FDEP	3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date: FAXED 10/14/98

Number of pages including cover sheet: 6

To: SUSAN METCALFE

SOLID WASTE DEPT

Phone: 352 7465000

Fax phone: 352 5271204

CC:

From: Ken Ford

Phone: (813) 744-6100 x 382

Fax phone: (813) 744-6125

REMARKS: ☐ Urgent ☑ For your review ☑ Reply ASAP ☐ Please comment

SUSAN

PLEASE REVIEW THE DRAFT LTR PERMIT FOR THE OLD CLOSED LF AND CALL ME TO SAY OK OR IF PROBLEMS

THX KEN

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
c/o Ms Susan Metcalfe, P.G.
Solid Waste Management
P. O. Box 340
Lecanto, FL 34460

PERMIT/CERTIFICATION
GMS ID No: 4009C00086
Permit No: **126601-002-SF**
Date of Issue:
Expiration Date: **10/10/2003**
County: Citrus
Lat/Long: 28°51'08"N
82°26'38"W
Sec/Town/Rge: 1/19S/21E
Project: Closed Citrus County
Central Landfill
Long-Term Care

DRAFT

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

To provide long-term care, monitoring and maintenance for the closed Class I landfill and related systems (approximately 60 acres), referred to as the Closed Citrus County Central Landfill, subject to the specific and general conditions attached, located near S.R. 44, 3 miles east of Lecanto, Citrus County, Florida. The specific conditions attached are for long-term care, monitoring and maintenance of:

1. The closed Class I Landfill

Replaces Permit No.: SF09-211030

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

DRAFT

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- and in accordance with all applicable requirements of Department rules.

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DRAFT

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DRAFT

SPECIFIC CONDITIONS:

17. **Regulations.** F.A.C. 62-701, effective May 19, 1994, is incorporated into this permit by reference. In the event that the regulations governing this permitted facility are revised, the Department shall notify the permittee, and the permittee shall request modification of those specific conditions which are affected by the revision of regulations to incorporate those revisions.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

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

Attachment 1

DRAFT

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
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7.	see current operation permit	Leachate Management
8.	see current operation permit	Gas Monitoring
10.	see current operation permit	Ground Water Monitoring
11.	see current operation permit	Financial Assurance

Best Available Copy

Transmit Confirmation Report

No.	:	013
Receiver	:	8-1-352-527-1204
Transmitter	:	WASTE MGT TAMPA SWDIST
Date	:	Oct 14 98 15:03
Time	:	02'58
Mode	:	Norm
Pages	:	06
Result	:	OK

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO: _X_ RICK GARRITY, **Director of District Management**

FROM/THROUGH:

William Kutash, **ENVIRONMENTAL ADMINISTRATOR** for WK 10/15/98
Bob Butera, **SUPERVISOR** for RB 10/14/98
Kim Ford **ENGINEER** 10/14/98

DATE:

FILE NAME: Closed Citrus Central Landfill **PERMIT #:** 126601-002-SF
PROGRAM : Solid Waste **COUNTY :** Citrus

TYPE OF PERMIT ACTION: _X_ **ISSUE** ___ **DENY** ___ **MODIFY**
___ **TRANSFER OWNER** ___ **NOD**
___ **PUBLIC NOTICE** __ **INTENT TO ISSUE**

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

PERMIT SUMMARY: This permit is for continued monitoring and long-term care of the closed Citrus County Central Landfill.

PROFESSIONAL RECOMMENDATION: __X__ **APPROVE** _____ **DENY**

EVALUATION SUMMARY: The application was received on May 28, 1998. One deficiency letter was sent, and response received on July 22, 1998.

This application was deemed complete on July 22, 1998.

Day 90/30 for this Action is October 16, 1998.

CERTIFICATION

Application No. Closed Citrus County Central Landfill #126601-002-S/F

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide / [redacted]) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 62. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical and structural features).

(Signed)

10/14/98

(Date)

(Seal)

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

August 28, 1998

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

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

Re: Citrus County Central Landfill, Financial Assurance Cost Estimates
Permit No. SO09-274381, Phase 1operation
Permit No. SSF09-211030, Closed 60-acre site

Dear Ms. Pelz:

Attached please find two copies the required annual report of landfill closure and long term care costs for the referenced facilities. This includes a review of the escrow account established to fund these activities and recommended deposits to maintain sufficient funding. This report was prepared for Citrus County by CH2M HILL and signed and sealed by R. J. Bruner,III, P.E.

Citrus County understands that there is a Department policy concerning the use of offsite soil costs in these estimates. The County is requesting an exemption from that policy. At our direction, CH2M HILL did not use offsite soil costs due to the tremendous volume of onsite soil. The County is willing to provide information on soil volumes to the Department as part of these annual closure cost reports. This will demonstrate that sufficient soil is and will continue to be available for all operational and closure uses from the current onsite stockpile.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department (with attachments)
R.J. Bruner III, CH2M HILL, Gainesville (w/o attachments)
John Wood, CH2M HILL, Deerfield (w/o attachments)
Bob Butera, FDEP, Tampa (w/o attachments)
Kim Ford, FDEP Tampa (w/o attachments)

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

ADMINISTRATION OFFICE
Suite 212
352-527-5477 Phone
352-527-5479 Fax

ENGINEERING DIVISION:
Suite 241
352-527-5446 Phone
352-527-5476 Fax

- Land Section
Suite 205
352-527-5447 Phone
352-527-5459 Fax

- Permits & Compliance Sec.
Suite 204
352-527-5448 Phone
352-527-5319 Fax

- Project Management Sec.
Suite 241
352-527-5449 Phone
352-527-5482 Fax

- Survey Section
Suite 241
352-527-5446 Phone
352-527-5482 Fax

1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461

MAINTENANCE OPERATIONS:
- Facilities Maint. Section
PO Box 143
Lecanto, FL 34460
352-527-0333 Phone
352-527-0654 Fax

- Fleet Management Section
PO Box 215
Lecanto, FL 34460
352-746-6888 Phone
352-746-5011 Fax

AQUATIC SERVICES
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-9189 Fax

ROAD MAINTENANCE
PO Box 167
Lecanto, FL 34460
352-746-4107 Phone
352-746-1203 Fax

UTILITIES DIVISION
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-1676 Fax

SOLID WASTE MANAGEMENT
230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

July 27, 1998

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

Re: Firing Range on Closed Landfill
Permit #SF09-211030, Citrus County

Dear Ms. Metcalfe:

The Department has no objection to the firing range improvements described in your June 26, 1998 letter. Upon completion , please provide the completed Certification of Construction Completion Form #62-701.900(2) attached and a topographic drawing with elevations for the entire firing range area.

On all future correspondence, please include Robert Butera on distribution. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,

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

KBF/ab
Attachment

cc: Ken Saunders, Citrus County
Eber Brown, WTI-Inverness
Robert Butera, P.E., FDEP Tampa
John Morris, 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 Certification of Construction Completion
Effective Date May 19, 1996
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

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
904-444-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

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

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

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

ADMINISTRATION OFFICE
Suite 212
352-527-5477 Phone
352-527-5479 Fax

ENGINEERING DIVISION:
Suite 241
352-527-5446 Phone
352-527-5476 Fax

- Land Section
  Suite 205
  352-527-5447 Phone
  352-527-5459 Fax
- Permits & Compliance Sec.
  Suite 204
  352-527-5448 Phone
  352-527-5319 Fax
- Project Management Sec.
  Suite 241
  352-527-5449 Phone
  352-527-5482 Fax
- Survey Section
  Suite 241
  352-527-5446 Phone
  352-527-5482 Fax

1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461

MAINTENANCE OPERATIONS:
- Facilities Maint. Section
  PO Box 143
  Lecanto, FL 34460
  352-527-0333 Phone
  352-527-0654 Fax
- Fleet Management Section
  PO Box 215
  Lecanto, FL 34460
  352-746-6888 Phone
  352-746-5011 Fax

AQUATIC SERVICES
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-9189 Fax

ROAD MAINTENANCE
PO Box 167
Lecanto, FL 34460
352-746-4107 Phone
352-746-1203 Fax

UTILITIES DIVISION
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-1676 Fax

SOLID WASTE MANAGEMENT
230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

RECEIVED
JUL 22 1998
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

July 20, 1998

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

Subject: Citrus County Central Landfill, Long-Term Care Permit Renewal
Pending Permit No. 126601-002-SF

Dear Mr. Morris:

This letter is in response to your letter of June 26, 1998 regarding the Closed Landfill Long-Term Care Permit Application for the Citrus County Central Landfill. I have reviewed your letter and have prepared the following responses.

1. *The permit application identifies 12 monitor wells. Specific Condition No. 34 of Permit No. SO09-274381 lists 14 wells in the ground water monitoring plan for the facility. Please clarify the number of monitor wells.*

   Response - The monitoring of ground water is not a condition of the long-term care permit, all groundwater monitoring requirements are determined through the conditions of permit SO09-274381.

   As a point of clarification, Specific Condition 34 of Permit SO09-274381 does identify 14 wells, however Specific Condition 35 of that permit identifies which wells are actually sampled. Two of the wells, MW-4 and MW-5, are only checked for water level.

2. *Gas monitoring requirements are identified in Specific Condition No. 4 of Permit No. SF09-211030 and Specific Condition Nos. 18 through 20 of Permit No. SO09-274381. The results of quarterly monitoring of the gas probe locations indicate several areas along the eastern boundary of the closed 60-acre landfill area that are reported at 100 percent of the LEL for methane. These values are not considered sufficient to trigger gas remediation activities as they occur along the boundary that is contiguous with the active 80-acre landfill. However, the Department will continue to review gas monitoring data along the landfill boundaries and within site structures. Please provide a summary of actual or potential gas migration at the closed 60-acre landfill, and verify that procedures described in Appendix G of the Citrus*

County Central Landfill Operations Plan reflect currently implemented gas monitoring activities.

Response - As stated in your letter, and as documented in our application, landfill gas monitoring is determined through the requirements and conditions of Permit No. SO09-274381, not the Long-Term Care Permit. Specific Condition No.4 of Permit No. SF09-211030 has been modified (January 8, 1997) to transfer gas monitoring requirements to Permit No. SO09-274381.

As a point of clarification, Citrus County has been performing gas monitoring consistent with the requirements of our Landfill Operations Plan.

3. *Exhibit G of the permit renewal application, entitled Assessment of the Effectiveness of Landfill Closure Design and Maintenance, is incomplete. Definitive, conclusive statements and recommendations regarding existing conditions and any corrective actions, if required, must be signed and sealed by a Professional Engineer. Items requiring clarification include gas migration evaluation and the condition of the cover (top liner and/or 2-foot soil cover). Please avoid the use of such terms as "generally". Please provide a schedule of general maintenance activities conducted at the closed 60-acre landfill.*

   Response - The existing cover system consists of grass over two feet of cover soil and a 40-mil HDPE geomembrane. The site inspection made by CH2M HILL's engineers on May 4, 1998, indicates that the cover system is in sound conditions. No washout or exposure of the geomembrane was observed. To ensure that the cover system will be maintained properly, a checklist for the inspection of stormwater management system, onsite roads, and cover system has been developed and included at the end of this exhibit.

   A revised copy of Exhibit G including the checklist is attached. In our previous application, the text page was signed and sealed. As requested in your letter, the Exhibit page will be signed and sealed by a Professional Engineer.

4. *Ground water monitoring requirements are identified in Specific Condition No. 8 of Permit No. SF09-211030 and Specific Condition Nos. 29 through 30 and Nos. 34 through 40 of Permit No. SO09-274381. Please indicate if the Conclusions and Recommendations presented in the document entitled Contamination Assessment Report, Citrus County Central Landfill (CH2M HILL, April 1996) and if the Conclusions presented in the document entitled Two-Year Monitoring Report, Citrus County Central Landfill (CH2M HILL, August 1997) are representative of current conditions at the closed 60-acre landfill. Please provide a discussion of water quality data collected from the new downgradient detection wells MW-8 and MW-9.*

   Response - The monitoring of ground water is not a condition of the long-term care permit, all groundwater monitoring requirements are determined through the conditions of Permit No. SO09-274381. Specific Condition No.8 of Permit No. SF09-

211030 has been modified (January 8, 1997) to transfer groundwater monitoring requirements to Permit No. SO09-274381. If the Department wishes additional discussion regarding groundwater analysis, please request as a condition of Permit No. SO09-274381.

5. *The reference to Figure 3 is unclear. Should the application form reference Figure 1 which is discussed in Section 1.1.7? It is understood that anticipated uses such as the proposed soil stockpile, proposed yard waste area, proposed leachate disposal sprayfield, proposed citizen waste drop off and recycle alley, and proposed administrative offices, facilities and parking are subject to change. Please be advised that all future uses of the closed 60-acre landfill require Department approval prior to implementation. Please provide a response to the May 21, 1998 correspondence from Mr. Kim Ford, P.E., regarding the permit modification to construct a firing range at the southwest corner of the facility (attached).*

   Response - The reference to Figure 3 was a typographic error, it should have referred to Figure 1. A copy of the revised page (page 33 of 36) is attached. A copy of our response to Mr. Ford's May 21, 1998 letter regarding site modifications is attached.

6. *The information in this Exhibit fulfills the requirements of Specific Condition No. 7 of Permit No. SF09-211030. Please provide an update of the status of the investigation into the flow meter sizing and related affects of flow volume estimates. A definitive statement regarding the need to replace the flow meter is needed. Please provide the leachate generation reports for the months of January through June 1998 as required by Specific Condition No. 17.c. of Permit No. SO09-274381.*

   Response - The County and our Consultant have determined that the leachate flow meters need to be replaced. The County is in the process of replacing the flow meters. We have identified the sizing problem and will be issuing a request for bids to perform the work within the next 30 days. Leachate generation reports are submitted as a condition of Permit No. SO09-274381, a copy of the report is attached for your convenience.

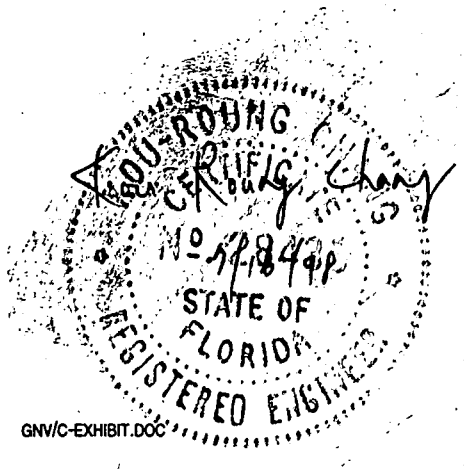
Sincerely,

Susan J. Metcalfe

CC: Kenneth E. Saunders, Jr., Dir. Dept. Public Works
John J. Wood, CH2M Hill, Deerfield Beach
K.R. Chang, CH2M Hill, Gainesville
Bob Butera, FDEP, Tampa

Exhibit G

Assessment of the Effectiveness of Landfill Closure Design and Maintenance



Assessment of the Effectiveness of Landfill Closure Design and Maintenance

Field Inspection

On May 4, 1998, CH2M HILL engineers made a site visit to the closed 60-acre cells to inspect the stormwater management system at the landfill. The inspection indicates that the drainage swales, energy dissipaters, retention ponds, culverts, cover grass, and access roads are in sound conditions. No deep depression or water ponding was observed at the landfill surface. The landfill surface was properly mowed and maintained.

Conditions of Existing Cover System

The existing cover system consists of grass over two feet of cover soil and a 40-mil HDPE geomembrane. The site inspection made by CH2M HILL's engineers on May 4, 1998, indicates that the cover system is in sound conditions. No washout or exposure of the geomembrane was observed. To ensure that the cover system will be maintained properly, a checklist for the inspection of stormwater management system, onsite roads, and cover system has been developed and included at the end of this exhibit.

Topographic Survey

Figure 1 show the existing site features and the topography of the 60-acre site surveyed on December 1997. The topography shows that the cover system is generally in sound conditions and stormwater is draining to the stormwater ponds as originally designed in the closure plan.

Effectiveness of the Closure Design

Based on the results of the field inspection, review of the maintenance data, and interview with the landfill operator, CH2M HILL has concluded that the landfill closure system has effectively controlled the stormwater runoff and protected the cover system.

Prepared by

Kou-Roung Chang

Kou-Roung Chang, P.E.

Checklist for the Inspection of Stormwater Management System, Onsite Roads, and Cover System

The stormwater management system, onsite roads, and the cover system shall be checked monthly and after a major storm event.

Observations during this inspection were as follows:

Description	**Is the structure damaged?**	**Does the structure need to be cleaned?**	**Comments about Required Maintenance**
Drainage Swales	Yes _____ No _____	Yes _____ No _____	
Drain Basins and Inlets	Yes _____ No _____	Yes _____ No _____	
Energy Dissipaters	Yes _____ No _____	Yes _____ No _____	
Retention Ponds	Yes _____ No _____	Yes _____ No _____	
Cover Grass	Yes _____ No _____	Yes _____ No _____	
Culverts	Yes _____ No _____	Yes _____ No _____	
Onsite Roads	Yes _____ No _____	Yes _____ No _____	
Cover System	Yes _____ No _____	Yes _____ No _____	

Inspector: _____ Date: _____
Sign Name

Inspector: _____
Print Name

O. CLOSURE PROCEDURES (17-701.610,FAC)

S	LOCATION	N/A	N/C		
___	_____	___	X	1.	Survey monuments; (17-701.610(2),FAC)
___	_____	___	X	2.	Final survey report; (17-701.610(3),FAC)
___	_____	___	X	3.	Certification of closure construction completion; (17-701.610(4),FAC)
___	_____	___	X	4.	Declaration to the public; (17-701.610(5),FAC)
___	_____	___	X	5.	Official date of closing; (17-701.610(6),FAC)
X	Fig 1	___	___	6.	Use of closed landfill areas; (17-701.610(7),FAC)

P. LONG TERM CARE REQUIREMENTS (17-701.620,FAC)

___	_____	___	X	1.	Right of property access requirements; (17-701.620(4),FAC)
___	_____	___	X	2.	Successors of interest requirements; (17-701.620(5),FAC)
___	_____	___	X	3.	Requirements for replacement of monitoring devices; (17-701.620(7),FAC)
___	_____	___	X	4.	Completion of long term care signed and sealed by professional engineer (17-701.620(8), FAC)

Q. FINANCIAL RESPONSIBILITY REQUIREMENTS (17-701.630,FAC)

X	Section 3	___	___	1.	Provide cost estimated for closing, long term care, and corrective action costs estimated by a PE for a third party performing the work, on a per unit basis, with the source of estimates indicated; (17-701.630(3)&(7), FAC).
X	Section 3	___	___	2.	Describe procedures for providing annual cost adjustments to the Department based on inflation and changes in the closing, long-term care, and corrective action plans; (17-701.630(4)&(8), FAC).
X	Section 3	___	___	3.	Describe funding mechanisms for providing proof of financial assurance and include appropriate financial assurance forms; (17-701.630(5), (6), & (9), FAC).

R. CLOSURE OF EXISTING LANDFILLS (17-701.640, FAC)

___	_____	___	X	1.	Demonstration that facility does not pose a bird hazard to aircraft as specified in Rule 17-701.320(12)(b), FAC
___	_____	___	X	2.	Demonstration that facility does not restrict the flow of the 100-year flood, reduce water storage capacity or result in wash-out of solid waste as specified in Rule 17-701.340(4)(b), FAC.

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

June 26, 1998

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

Re: Citrus Central Landfill, Long-Term Care Permit Renewal
Pending Permit No. 126601-002-SF, Citrus County

Dear Ms. Metcalfe:

This letter is to acknowledge that your submittal entitled *Closed Landfill Long-Term Care Permit Renewal Application* for the referenced facility was received by the Department on May 28, 1998. This letter constitutes notice that a permit will be required for your project pursuant to Chapter 403, Florida Statutes.

Your application for a permit is incomplete. This letter represents the first request for additional information in support of your permit application. Evaluation of your proposed project will be delayed until all 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.)] and is referenced to sections of the application permit and/or Specific Conditions of the current Long-Term Care or Operations Permits:

1. B.18.: The permit application identifies 12 monitor wells. Specific Condition No. 34 of Permit No. SO09-274381 lists 14 wells in the ground water monitoring plan for the facility. Please clarify the number of monitor wells.

2. N.3.d./N.5.f.: Gas monitoring requirements are identified in Specific Condition No. 4 of Permit No. SF09-211030 and Specific Condition Nos. 18 through 20 of Permit No. SO09-274381. The results of quarterly monitoring of the gas probe locations indicate several areas along the eastern boundary of the closed 60-acre landfill area that are reported at 100 percent of the LEL for methane. These values are not considered sufficient to trigger gas remediation activities as they occur along the boundary that is contiguous with the active 80-acre landfill. However the Department will continue to review gas monitoring data along the landfill boundaries and within site structures. Please provide a summary of actual or potential gas migration at the closed 60-acre landfill, and verify that procedures described in Appendix G of the Citrus County Central Landfill Operations Plan reflect currently implemented gas monitoring activities.

3. N.3.e.: Exhibit G of the permit renewal application, entitled *Assessment of the Effectiveness of Landfill Closure Design and Maintenance*, is incomplete. Definitive, conclusive statements and recommendations regarding existing conditions and any corrective actions, if required, must be signed and sealed by a Professional Engineer. Items requiring clarification include gas migration evaluation and the condition of the cover (top liner and/or 2-foot soil cover). Please avoid the use of such terms as "generally". Please provide a schedule of general maintenance activities conducted at the closed 60-acre landfill.

4. N.5.e.: Ground water monitoring requirements are identified in Specific Condition No. 8 of Permit No. SF09-211030 and Specific Condition Nos. 29 through 30 and Nos. 34 through 40 of Permit No. SO09-274381. Please indicate if the Conclusions and Recommendations presented in the document entitled *Contamination Assessment Report, Citrus County Central Landfill* (CH2M-Hill, April 1996) and if the Conclusions presented

in the document entitled *Two-Year Monitoring Report, Citrus County Central Landfill* (CH2M-Hill, August 1997) are representative of current conditions at the closed 60-acre landfill. Please provide a discussion of water quality data collected from new downgradient detection wells MW-8 and MW-9.

5. O.6.: The reference to Figure 3 is unclear. Should the application form reference Figure 1 which is discussed in Section 1.1.7? It is understood that anticipated uses such as the proposed soil stockpile, proposed yard waste area, proposed leachate disposal sprayfield, proposed citizen waste drop off and recycle alley, and proposed administrative offices, facilities and parking are subject to change. Please be advised that all future uses of the closed 60-acre landfill require Department approval prior to implementation. Please provide a response to the May 21, 1998 correspondence from Mr. Kim Ford, P.E., regarding the permit modification to construct a firing range at the southwest corner of the facility (attached).

6. Exhibit F: The information in this Exhibit fulfills the requirements of Specific Condition No. 7 of Permit No. SF09-211030. Please provide an update of the status of the investigation into the flow meter sizing and related affects of flow volume estimates. A definitive statement regarding the need to replace the flow meter is needed. Please provide the leachate generation reports for the months of January through June 1998 as required by Specific Condition No. 17.c. of Permit No. SO09-274381.

Please provide three copies of all permit application responses to the Department for review. Please provide all responses that relate to engineering or geological interpretation signed and sealed by the respective Florida-licensed professional.

"NOTICE! Pursuant to the provisions of Section 120.600, F.S. and Chapter 62-4.070(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 may 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."

If you have any questions about this request for additional information please contact me at (813) 744-6100, extension 336.

Sincerely,

John R. Morris, P.G.
Solid Waste Section

Attachment

cc: Kou-Roung Chang, Ph.D., P.E., CH2M-Hill, 3011 S.W. Williston Road, Gainesville, Florida 32608
Robert Butera, P.E., FDEP
Kim Ford, P.E., FDEP
Steve Morgan, FDEP

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 21, 1998

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

Re: Firing Range on Closed Landfill
Modification No.: 126601-001-SF
Permit Nos.: SF09-211030, Citrus County

Dear Ms. Metcalfe:

This is to acknowledge receipt of your request for a permit modification received April 27, 1998 to construct a firing range on the Closed Citrus County Central Landfill.

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

Your request for a permit modification 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 modification [Chapter 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. Recent topographic information with elevations in the vicinity of all related activities and structures.

2. Description of construction and related activities to demonstrate compliance with the requirements of F.A.C. Rule 62-701.610(7) for the use of closed landfill areas.

3. Foundation analysis to demonstrate the structure will not affect the integrity of the closed landfill cover/liner.

4. Site plans drawn to scale showing all related work, existing and proposed elevations, and the closed landfill cover/liner.

5. Project specifications with construction methods to demonstrate the integrity of the closed landfill cover/liner will not be affected.

6. Confirmation that explosives will not be stored on site.

7. Response to DEP's September 18, 1997 letter, and description to demonstrate compliance with FAC Rule 62-730.320 regarding detonation and thermal treatment of explosives (attachments).

Please provide all responses signed and sealed by a professional engineer.

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

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

Sincerely,

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

KBF/ab
Attachments

cc: Ken Saunders, Citrus County
Robert Butera, P.E., FDEP Tampa

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

CERTIFIED MAIL
RETURN RECEIPT

SEP 1 8 1997

Ms. Susan J. Metcalfe
Director, Div. of Solid Waste Management
Citrus County Solid Waste Management
Post Office Box 340
LeCanto, FL 34461-0340

Re: Emergency Detonation or Thermal Treatment of Certain Hazardous Waste, 62-730.320 FAC (enclosed)

Dear Ms. Metcalfe:

The purpose of this letter is to encourage active coordination between the Solid Waste Operation at landfills (where treatment of the referenced materials occur), and the persons (Fire Department, Bomb Squad, etc.) responsible for the safe detonation of explosives and this Department.

It has been brought to my attention by Waste Management staff that the referenced treatment may be occurring at some solid waste landfills permitted by this Department. The Department is concerned that the referenced treatment may be occurring at locations in the landfill which may be in close proximity to methane gases escaping from passive vents and/or flares at actively vented landfills. Two recent explosions occurring at leachate sumps at solid waste landfills resulted in injury to personnel. These explosions occurred at pump stations where leachate was being removed from the sumps and the methane gases contained within the pump station were exposed to an ignition source. In addition the Department is concerned with landfill fires, possible damage to HDPE liners utilized in closures and depressions in intermediate cover exposing waste.

The Department requests that the responsible solid waste operation submit (within 90 days of receipt of this letter) a scale site plan of the facility identifying the specific location where the referenced treatment will occur. You are requested to include sites where detonations occur on properties adjacent to solid waste landfills. If no detonations occur at your facility please respond accordingly. The site plan should include the locations of flares, passive vents, leachate sumps, all occupied buildings on site, and their respective distances from the location of these detonations.

SEP 1 8 1997

Ms. Susan J. Metcalfe
Citrus County Solid Waste Management

The Department's Solid Waste and Hazardous Waste Sections will review these submittals and respond to the Solid Waste Permittee as to the approved locations for that particular facility. The Solid Waste Section should be contacted for authorization for all further modifications to the gas vent, building, and sump relocations.

In accordance with 62-730.320(1) "Certain hazardous wastes, due to their origin, age, and storage conditions have become a hazard to their surroundings. Because of the flammable, shock sensitive and explosive nature of the wastes, there is an immediate danger and imminent hazard to persons and property in the surrounding area. Therefore an authorization is granted for the emergency detonation or treatment of reactive hazardous wastes, as defined in FAC Chapter 62-730." The Department requests that all authorizations be requested in accordance with 62-730.320(1)(a) which states "The person having custody of the waste contacts the Department and obtains oral or written permission prior to the detonation or treatment."

The authorized person for detonating the waste such as the Fire Department, Bomb Squad, etc. should coordinate with the solid waste operation to assure all further detonations will occur at the Department approved locations. The Department requests your cooperation on this matter and thanks you in advance for protecting the environment and providing a safe area within the landfill. If you have any questions concerning this letter you may contact Bob Butera in the Solid Waste Section at 813-744-6100, Ext. 451 or William Crawford in the Hazardous Waste Section at 813-744-6100, Ext. 372.

Sincerely,

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

Attachment

cc: Robert Butera, P.E., FDEP
William Crawford, FDEP
Kim Ford, P.E., FDEP
Danielle Nichols, FDEP
Allison Amram, P.G., FDEP
Randy Messer, Code Enforcement, Citrus County

take action within the 20 day period shall constitute final agency action to not release the information and the requestor may seek judicial review provided below.

(7) The requestor or the party asserting the claim of trade secret or confidential records may file an action in circuit court pursuant to Section 119.11, F.S.

Specific Authority: 403.704, 403.722, F.S.
Law Implemented: 403.704, 403.722, F.S.
History: New 7-9-82; Formerly 17-30.31; Amended 9-23-87, 6-28-88, Formerly 17-30.310, Amended 10-7-93, Formerly 17-730.310.

62-730.320 Emergency Detonation or Thermal Treatment of Certain Hazardous Waste

(1) Certain hazardous wastes, due to their origin, age, and storage conditions have become a hazard to their surroundings. Because of the flammable, shock sensitive and explosive nature of the wastes, there is an immediate danger and imminent hazard to persons and property in the surrounding area. Therefore, an authorization is granted for the emergency detonation or treatment of reactive hazardous wastes, as defined in F.A.C. Chapter 62-730, provided:

(a) The person having custody of the waste contacts the Department and obtains oral or written permission prior to detonation or treatment. If the permission is oral it must be followed within five days by a written order. Written orders shall be accompanied by the publication of public notice.

(b) The waste is highly reactive, shock sensitive, or explosive and can only be safely disposed of through its prompt detonation or treatment.

(c) The type and amount of waste to be detonated is specified to the Department. Only those wastes specified may be disposed of under this permit.

(d) The detonation or treatment is conducted or supervised by local law enforcement officials, bomb squads, or other officials or agencies experienced in the handling and disposal of explosives.

(e) The time and place of the detonation or treatment is specified in the notice to the Department.

(f) The procedures for the detonation or treatment is specified in the notice to the Department.

(g) Permission granted under this rule shall not exceed 90 days.

(h) Permission granted under this rule shall include all applicable requirements of Chapter 62-730 to the extent possible and not inconsistent with the emergency situation.

(2) This authority shall be subject to the following specific conditions:

62-730.310(6)(cont'd.) - 62-730.320(2)

(a) All other local, state, and federal approvals and licenses required for the activities allowed in this authorization shall be obtained.

(b) Visible residual materials shall be recovered from the site and properly disposed of in accordance with Department rules.

(c) Adequate fire protection to assure confinement and control of any fire resulting from the operation shall be provided.

(d) The local Department representative or their designee shall be notified and may be present to observe the treatment or detonation.

(e) Prior to treatment or detonation, the site shall be secured and no site access allowed except by authorized personnel. The area around the site shall be visually inspected to assure that no unauthorized personnel are present. The securing and inspection of the site shall be made to at least the following distances:

POUNDS OF WASTE EXPLOSIVE	MINIMUM DISTANCE
0 to 100	204 meters (670 feet)
101 to 1,000	380 meters (1250 feet)
1,001 to 10,000	530 meters (1730 feet)
10,001 to 30,000	690 meters (2260 feet)

(f) Thermal treatment or detonation shall be conducted only at the times and place specified in the permittee's notice to the Department.

(g) The Department may require, as a condition of its approval, that soil sampling be conducted before and after the detonation or treatment.

(h) Within 30 days of the emergency detonation or thermal treatment, the authorized person shall submit to the Department a complete written summary of the detonation or treatment which shall include actual procedures used, disposition of any residues from the process, and other pertinent information.

Specific Authority: 403.704, 403.721, F.S.
Law Implemented: 403.061, 403.704, 403.721, 403.726, F.S.
History: New 9-30-85; Formerly 17-30.32, 17-30.320, Formerly 17-730.320, Amended 1-5-95.

62-730.330 Research Development and Demonstration Permits.

(1) The Department may issue a research, development, and demonstration permit for any hazardous waste treatment facility which proposes to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for such experimental activity

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

ADMINISTRATION OFFICE
Suite 212
352-527-5477 Phone
352-527-5479 Fax

ENGINEERING DIVISION:
Suite 241
352-527-5446 Phone
352-527-5476 Fax

- Land Section
  Suite 205
  352-527-5447 Phone
  352-527-5459 Fax
- Permits & Compliance Sec.
  Suite 204
  352-527-5448 Phone
  352-527-5319 Fax
- Project Management Sec.
  Suite 241
  352-527-5449 Phone
  352-527-5482 Fax
- Survey Section
  Suite 241
  352-527-5446 Phone
  352-527-5482 Fax

1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461

MAINTENANCE OPERATIONS:
- Facilities Maint. Section
  PO Box 143
  Lecanto, FL 34460
  352-527-0333 Phone
  352-527-0654 Fax
- Fleet Management Section
  PO Box 215
  Lecanto, FL 34460
  352-746-6888 Phone
  352-746-5011 Fax

AQUATIC SERVICES
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-9189 Fax

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352-746-4107 Phone
352-746-1203 Fax

UTILITIES DIVISION
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-1676 Fax

SOLID WASTE MANAGEMENT
230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

June 30, 1998

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

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 No. SO09-274381

Dear Mr. Ford:

This is to report several malfunctions of electronic equipment possibly related to recent power fluctuations experienced at the site. During the extremely hot dry conditions in the past month, power supply to the landfill apparently was reduced (brownout condition) every afternoon between 3 PM and 6 PM causing alarm conditions at leachate lift station, stormwater lift station, and leachate treatment plant; the breakers which control the blowers at the leachate storage tank also trip out. Other than resetting, and having the integrity of components checked, no other action has been necessary to return equipment to operating status.

The low -level sensor on the methanol storage tank at the leachate treatment plant failed June 17, leaving the system in alarm condition. The cause was not determined. This component causes the second stage treatment process to stop. Because there is a sight gauge on the tank and an operator in attendance every day the system is in operation, this sensor is not required for proper plant operation. We have chosen not to replace this part at this time. On June25 the control panel was rewired to remove the stop- process function.

A weekend lightning strike on June 20-21 burned out the leachate flow meter indicator for pumps #1-4 (all 80-acre pumps). Flows can be determined from direct reading of the meters in the vault. Replacement of the indicator will take place when the meters are replaced. This job must be bid and will take at least 30 days to select a contractor; implementation may take several weeks beyond that in order to obtain parts.

The first rainfall in months at the site occurred Saturday June 27. The stormwater lift station did not operate automatically. When staff visited the control panel, the

methane detector alarm was on, which had locked out the pumps. After using a portable methane detector, it was determined that this was a false alarm. The system was operated manually over the weekend for two storm events. Until the apparently faulty methane detector can be repaired/replaced, the portable meter will be used to periodically test the lift station. The shutoff feature of the methane alarm has been disabled. We have not yet located a firm that will service the part, however the intent is to return the lift station to its original function as soon as possible.

Please call me if you have any questions.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Bob Butera, FDEP, Tampa ✓
John Morris, FDEP, Tampa

RECEIVED
JUL 0 2 1998
D E P

Closed Landfill Long-Term Care Permit Renewal Application

Susan

Pls review
Citrus cost est

Thx

Tom

6/3/98

CH2MHILL

May 1998

STATE OF FLORIDA
COUNTY OF CITRUS
INVERNESS, FLORIDA

County Warrant

131096

DEPARTMENT	ACCOUNT	PURCH. ORDER	INVOICE NUMBER	AMOUNT	DESCRIPTION
5216	54912		RENEWAL	1,000.00	PERMIT SF09-211030 RENEW

0548.4 DEPT OF ENVIRONMENTAL PROTECTION

PLEASE DETACH
BEFORE DEPOSITING

STATE OF FLORIDA
County Warrant
110 N. APOPKA AVENUE
INVERNESS, FLORIDA 34450-4299

VOID AFTER 90 DAYS

CITRUS COUNTY ACCOUNTS PAYABLE
SUNTRUST BANK
INVERNESS, FLORIDA
63-115
631

131096

CHECK 131096
DATE 04/28/98

AMOUNT ****1,000.00**

PAY ONE THOUSAND DOLLARS & ZERO CENTS

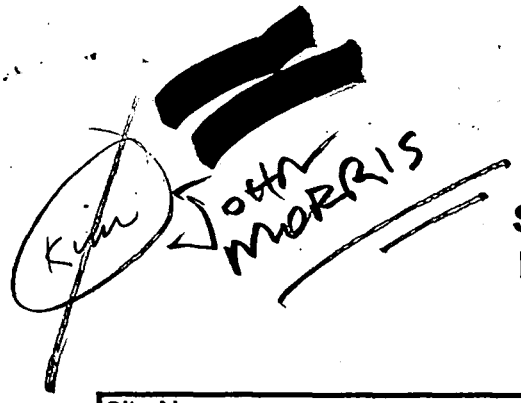
TO THE ORDER OF DEPT OF ENVIRONMENTAL PROTECTION

CHAIRMAN BOARD OF COUNTY COMMISSIONERS

SEAL

CLERK AND AUDITOR

[redacted]



SOUTHWEST DISTRICT
FDEP

Solid Waste Program
Permitting Application

New Site

Site Name:	CITRUS CENTRAL LTC
Site Address:	
County:	CITRUS
Type/Subcode:	SF/09

Existing Site

Site ID:	126601-002
Project Name:	CITRUS CENTRAL LTC
Type/Subcode:	SF/09
Fee Submitted:	1000 (✓) correct ( ) incorrect
Fee Refund $	/ Fee Request $

Related Party

Role:	APPLICANT
Name:	SUSAN METCALFE
Company:	CITRUS COUNTY
Street:	P.O. BOX 340
City:	LECANTO, FL
Zip Code:	34460
Phone:	(352) 746-5000

Distribution Date: _____

Fee Checked By: K FORD Date: 6/1/98

BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, Florida 34460-0340

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LECANTO, FLORIDA 34461

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SOLID WASTE MANAGEMENT
230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

May 26, 1998

RECEIVED
MAY 28 1998
D E P

RECEIVED
MAY 28 1998
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

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 No. SC09-211030 Application for Permit Renewal

Dear Mr. Ford:

Citrus County hereby submits six copies of the application for renewal of the long-term care permit for the closed 60-acre site. This site will continue to be maintained as required in the closure permit issued in 1993. Citrus County updated the financial assurance cost estimate for the long-term care of the closed site in late 1997 as part of a combined statement which covers both the closed and active sites. The financial assurance cost estimate and a report prepared by an independent auditor indicating that an escrow account has been established with the State Board of Administration are included with this permit application.

Please contact me if you have questions, comments or require additional information.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Bob Butera, FDEP, Tampa
Kou-Roung Chang, CH2M HILL, Gainesville
John Wood, CH2M HILL, Deerfield

perMits | Events | Payment | Site | Facility | partY | Reports | >

Permitting Application

SITE Permit

Site Name: CITRUS CO. CENTRAL LF LTC (LFC1) Site #: 0126601

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

Project

Permit #:0126601-002-SF Project #: 002 Logged:01-JUN-1998 CRA #: 24340
Permit Office: SWD (DISTRICT) Agency Action: Issued
Project Name: **NITRUS CENTRAL LTC** Desc:
Type/Sub/Des: **SF /09 RENEWAL - CLASS I - Closure** COE #:
Received: **28-MAY-1998** Issued: 16-OCT-1998 Expires: **16-OCT-2003** OGC:
Fee: **1000.00** Fee Recd: 1000.00 Dele: Override: **NONE**

Related Party

Role: APPLICANT Begin: 01-JUN-1998 End:
Name: METCALFE, SUSAN J. Company: CITRUS COUNTY
Addr: PO BOX 340
City: LECANTO State: FL Zip: 34460- Country: U.S.A.
Phone: 352-746-5000 Fax:

Processors

Processor: FORD_K Y Active: 01-JUN-1998 Inactive:

Count: *1 <Replace>

Help | Reports | eXit

Permitting Application

Events Scheduled **5 of 90**

Site #: 0126601 Name: CITRUS CO. CENTRAL LF LTC (LFC1)
Permit #: 0126601-002-SF Type/Subtype: SF /09 Received: 28-MAY-1998
Project #: 002 Name: NITRUS CENTRAL LTC

> ISSUE PERMIT: Issued

Event	Begin Date	Prd	Due Date	Rmn	Status	End Date
Receive Request	28-MAY-1998	1	29-MAY-1998		Done	28-MAY-1998
Fee Verification	28-MAY-1998	2	30-MAY-1998		Sufficient	01-JUN-1998
Completeness Revie	28-MAY-1998	30	27-JUN-1998		Incomplete	26-JUN-1998
Awaiting Addition	26-JUN-1998	45	10-AUG-1998		Received	22-JUL-1998
Completeness Rev	22-JUL-1998	30	21-AUG-1998		Default	22-AUG-1998
Determine Agenc	22-JUL-1998	90	20-OCT-1998		Issue	16-OCT-1998
Issue Final Pe	16-OCT-1998	14	30-OCT-1998		Issued	16-OCT-1998
ISSUE PERMIT	16-OCT-1998	1	17-OCT-1998		Issued	**16-OCT-1998**
STOP CLOCK	16-OCT-1998	1	17-OCT-1998		Done	16-OCT-1998
RESET CLOCK	26-JUN-1998	1	27-JUN-1998		Done	26-JUN-1998
Publish Notice of	01-JUN-1998	14	15-JUN-1998	**-127**	Pending	

Count: *8 <List><Replace>

perMits|__Events_|__Pa ent_|__Site_|__Facility_|_ artY_|__Reports_|_ >

---------- _Permitting_Application_ ----------

+---------- SITE Permit ----------+

| Site Name: CITRUS_CO._CENTRAL_LF_LTC_(LFC1)_____ Site #: _0126601 |

| County: CITRUS_____ Comments: N RPAs: N # Cases: 0__ |

+---------- Project ----------+

| Permit #:_____-___-____ Project #: 002 Logged:01-JUN-1998 CRA #: 24340_____ |

| Permit Office: SWD_(DISTRICT)_____ Agency Action: Pending___ |

| Project Name: CITRUS_CENTRAL_LTC_____ Desc: _____ |

| Type/Sub/Des: SF__/09_ RENEWAL_-_CLASS_I_-_Closure_____ COE #: _____ |

| Received: 28-MAY-1998_ Issued: _____ Expires: _____ OGC: _ |

| Fee: ___1000.00 Fee Recd: ___1000.00 Dele: _____ Override: NONE_____ |

+---------- Related Party ----------+

| Role: APPLICANT_____ Begin: 01-JUN-1998 End: _____ |

| Name: METCALFE,_SUSAN_J._____ Company: CITRUS_COUNTY_____ |

| Addr: PO_BOX_340_____ |

| City: LECANTO_____ State: FL Zip: 34460-____ Country: U.S.A._ |

| Phone: 352-746-5000 Fax: _____ |

+---------- Processors ----------+

| Processor: FORD_K_____ Y Active: 01-JUN-1998 Inactive: _____ |

+----------+

Enter_Project_Name._____

Count: *1 ^ <Replace>

RAI #1 6/26/98 Rec'd 7/22/98

AREA: SWD_____ ash Receiving Application CRAF006A
Collection Point Log Remittance Tot: _____$1,000.00

SYS$REMT: 255377__ Type: CP___ Recved Date: 28-MAY-1998 Status: RECEIVED
SYS$RCPT: 211099__ PNR: _____ Check #: 131096____ Amount: _____1,000.00
SSN/FEI#: _____ Name: CITRUS_COUNTY_WARRANT_____
First: _____ Middle: _____ Title:_____ Suf: _____
Address1: 110_N_APOPKA_AVENUE_____ Short Comments:
Address2: _____ S-CITRUS_CO_CENTRAL_LF___
City: INVERNESS_____ ST: FL Zip: 34450-4299 Country: _____

P A Y M E N T (S)

SYS$PAYT	Distr CL Area..	Object Code/Description.....:	Payment Amount.....	Reference#	Applic/	Fund	STA
265275__	SWD___	002246 SOLID_WASTE-CLO	_____$1,000.00	126601-01_	PA_	PFTF__	CO

COMMIT FREQUENTLY _____$1,000.00 Payment total
Press_<TAB>_to_accept_Collection_Point_or_enter_F&A._____
Count: *1 <Replace>