

BOARD OF COUNTY COMMISSIONERS

DEPARTMENT OF PUBLIC WORKS

REPLY TO:

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

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

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January 27, 1998

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. SC09-282375, Phase 1A construction
Permit No. SO09-274381, Phase 1 operation
Permit No. SSF09-211030, Closed 60-acre site

Dear Ms. Pelz:

Attached please find one signed and sealed original of the Closure/Long Term Care cost estimates prepared by CH2M HILL for Citrus County. This is a duplicate of the information submitted on December 17, 1997. I apologize that the original was not in your package.

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
John Wood, CH2M HILL, Deerfield
Bob Butera, FDEP, Tampa
Kim Ford, FDEP Tampa

D.E.P.

JAN 29 1998

SOUTHWEST DISTRICT
TAMPA

Date: 2/12/98 9:23:05 AM
From: Allison Amram TPA
Subject: 1,4-Dioxane analysis
To: Kent Edwards TPA

Citrus SO
Permit file

Kent-

We have a gw guidance concentration for 1,4-Dioxane of 5 ug/l-- can any lab get a gw sample analyzed that low? I have a landfill that detected it at ~325 ug/l. The landfill folks talked w/ the lab, and the lab says that 5 ug/l is "unrealistically low". Is it? They were analyzing by EPA Method 8260, and using 100 ug/l as an MDL. Isn't there another method that would give them lower MDLs? They do not have to use an SW846 method.

Thanks! No rush.

Allison

| | | | <u>MDL</u> |
|-------------|------------|--------|------------|
| | ASTM D3686 | T6VTUB | |
| | D3695 | GCFID | 1.0 mg/L |
| | D4490 | T6VTUB | |
| | | | |
| | | | |
| (EPA Water) | EAD 1624 | GCMS | 140 ug/kg |
| | EAD 1624 | GCMS | 50 ug/L |
| | | | |
| | | | |
| (SW846) | OSW 8240 | GCMS | |
| | OSW 8240 | GCMS | |

This is all I could find. The methods w/out MDL's listed, had none, but may be a lead to follow

LWV

**LEAGUE OF WOMEN VOTERS
OF CITRUS COUNTY**

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JAN 22 1998

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

January 11, 1998

Kim Bruner Ford PE
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa FL 33619

Dear Mr. Ford:

Thank you very much for taking the time out of your busy schedule to come to Citrus County and participate as a panel member at the Waste Management Forum sponsored by the League which was held on October 23, 1997. The audience was an interested and attentive one and the interest in planning for waste management continues. The League would like to see a plan developed for waste management in Citrus County which has long range goals, considers a range of alternatives and specifies the financing structure..

A consensus statement on solid waste in Citrus County has been developed by the League and will be shared with the County Commissioners and interested parties.. A copy is enclosed for your information.

Again, the League extends its appreciation for your assistance.

Sincerely,

Lucy Ann Wines

Lucy Ann Wines
Secretary

cc: M.E. Barnard

LWV - POSITION ON SOLID WASTE IN CITRUS COUNTY

Adopted December 1997

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JAN 22 1998

Department of Environmental Protection
BY SOUTHWEST DISTRICT

1. The county landfill should be closed as soon as practicable and should definitely not be expanded beyond its present capacity. An alternative method of solid waste disposal must be chosen; several viable choices are available.
2. There should be mandatory trash pickup at the source, with no exceptions; consensus also favored mandatory recycling at the source. Long range goals should be planned at least through 2025.
3. Because of the complexity of this issue, the county should hire an independent expert in solid waste management to assist in determining the best disposal method and to help in setting goals and achieving them, along with financing structures.
4. The League should closely follow all recommendations and planning to assure that the above criteria are considered and that our concerns are a contributing factor in all discussion of this issue.

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date:

1/7/98

Number of pages including cover sheet:

1

To:

Susie Metcalfe
Citrus Co - Solid Waste

Phone:

Fax phone: 352/527-1204

CC:

From:

Allison Amram
Solid Waste Section

Phone:

(813) 744-6100 x 336

Fax phone:

(813) 744-6125

REMARKS:

☐ Urgent☐ For your review☐ Reply ASAP☐ Please comment

Susie - Happy New Year!

I looked over the annual leachate influent/effluent/sludge data today, & wanted to bring the following to your attention:

Effluent data: ① Fe reported as 720 ug/l + .072 mg/l which is correct?

② Total trihalomethanes ^(115 ug/l) exceeded gw standard (100)

③ 1,4-Dioxane found at 310 ug/l - guidance conc. for this in gw is 5 ug/l.

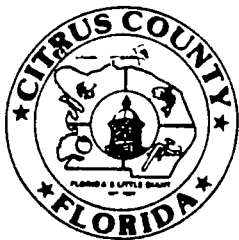
The gw standards must be met at the zone of discharge; DEP suggests re-sampling for 1,4-Dioxane because it was a new detection; & so high above the guidance concentration (the guidance conc. is used to establish the "minimum criteria" for gw as stated in FAC Ch. 62-520).

Also, there were several days ^{in Sept.} where the LTP operated above the maximum permitted capacity of 30 million gpd. Please notify DEP if you plan to exceed capacity - effluent looked ok, & that's what counts. Call me if you have any questions! Allison Amram

** Transmit Journal **
Jan 1 '92 - Jan 8 '98

Jan 8 '98 10:12

| No. | To : | Mode | Start | Time | Page | Code | Result | Note |
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| 0007 | 819416877016 | NORMAL | 2, 2:24 | 7'57" | 13 | 0000 | O K | |
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| 0002 | 97446457 | NORMAL | 8, 9:56 | 3'03" | 7 | 0000 | * O K | |



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December 19, 1997

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, Phase 1A Operation
Modification 21375-001SO

Dear Mr. Ford:

In response to your letter dated October 31, 1997 which indicated that our application for Phase 1A Operation was incomplete, the requested information is hereby submitted.

1. **Recent topographic map.** A copy of a topographic map prepared by I.F. Rooks and Associates based on aerial photography performed 7/14/97 is attached. Comparison of that topography with Figure 7 - 2.5 Year Filling Interval from the October 1996 Phase 1 and 1A Operation Plan prepared by CH2M HILL, shows that the filling plan is being followed.

As previously described in our October 8, submittal, "As of October 1, 1997 filling of Phase 1 has progressed through Figure 7 (2.5 Year Filling Plan). This is approximately 6 months slower than had been anticipated at the time of the original permit submittal. Loss of county-generated waste during the past year to offsite disposal facilities is the reason. Recent agreements with waste haulers and cities will assure the waste stream is at least 75% of "normal" for the next year. When use of Phase 1A is approved, Citrus County intends to discontinue use of Phase 1 temporarily in order to place fill in the Phase 1A area according to Figure B1, which will improve stormwater management for the site as a whole. After filling in the Phase 1A area reaches approximately 63 feet, the Figure 8 (3.0 Year Filling Plan) sequence will be resumed, followed by Figure B4."

The only significant difference noted between the drawing and field configuration is related to the drainage configuration. The drainage gutter on the south side of the fill area has already been removed and filled to a point where the south liner curves

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Department of Environmental Protection
BY SOUTHWEST DISTRICT

Kim Ford
December 19, 1997
Page 2

to become the east side liner. Rather than splitting drainage both toward the south to the gutter and north toward fill face ditches which also empty into the gutter along the east side, all drainage for areas below 120 foot elevation now go to the north. This will be the case for the remainder of use of Phase 1.

- ✓ 2. **Procedures for removal of fine-grained soil.** When use of Phase 1A is approved, we will prepare an area at the west end over the leachate collection sump by first removing the temporary plastic "raincoat" layer. Next, the location and thickness of the accumulated fine-grained soil will be determined by visual inspection. The material will be removed using heavy equipment and deposited outside the Phase 1A fill area. If fine-grained material is located close to the north edge where the protective soil has not yet been placed, hand tools will be used to avoid damage to the liner system.

After removing the fines, the thickness of the protective soil layer will be measured. If less than 24 inches remain, clean sand from the onsite soil stockpile will be added to assure a minimum 24 inch thickness.

A berm of clean soil will be used to support the downstream end of the temporary raincoat layer to the east of the first fill area. This will form a stormwater sump which can be pumped to the drainageway to the north, similar to the current configuration.

It is anticipated that the Phase 1A bottom area will be filled in three sections (west, middle and east) following the same pattern described above.

- ✓ 3. **Procedures for applying protective soil, removing fabric wrap.** The 24-inch thick protective soil layer on the side slopes will be placed by dropping clean sand at the bottom of the slope and pushing up the slope with a dozer. This will take place in five to ten foot high sections as an area is prepared for filling. Prior to soil placement, the raincoat layer will be removed.

After discussion among the construction contractor (Smith Technology), CH2M HILL and the County, we have decided to change Detail 10, Sheet 15 from the construction plan version to the configuration shown in the signed and sealed record drawings (to which you referred). The change is that the filter fabric which wraps the gravel envelope around the leachate collection pipe will not be removed. The justification for this is that sand from the protective layer and fines from the

Kim Ford
December 19, 1997
Page 3

waste would intrude the gravel and reduce transmissivity. The filter fabric will allow leachate to pass but will keep fines from clogging the gravel envelope.

✓ 4. **Access road and stormwater management.** The single lane dirt road along the boundary between Phase 1 and Phase 1A will be used as the initial access to Phase 1A. This will require trucks to back in until sufficient fill (at least 4 feet thick and 100 by 100 feet in area) has been placed to allow drive-in turn-around access. During this time we will have two working areas, because not all loads will be appropriate for first layer fill. It is anticipated that the back-in condition will last for about a week. Because the access road is a single lane, only one truck at a time will be allowed in the unloading area until the fill depth reaches the access road level and a two lane access can be constructed. Two-way traffic can be established within about two months. Signs have been placed to denote the appropriate waiting area on the paved access road.

We anticipate that it will take about six to eight months to fill the entire Phase 1A area up to the 63 foot elevation, (See Figure B-1, 1996 Operations Plan Appendix B) at which time the stormwater from the west side gutter from Phase 1 can be connected across Phase 1A to the north stormwater collection area. During the initial six month period, where feasible, the raincoat layer will be used as a gutter to direct stormwater from above the fill into a stormwater collection area. That temporary collection area will be located to the east of the fill area and will shift position as filling proceeds from west to east. (Note description of fill sequence/lift heights below.) The portable diesel pump currently being used to transfer stormwater to the permanent stormwater collection system to the north will continue in that function.

The configuration of the raincover/gutter will be similar to the "new lined ditch" detail on Figure 11, Appendix B, 1996 Operations Plan. The primary difference will be that the gutter is attached at the top of the liner system rather than being add-on strips.

✓ 5. **Maximum lift heights.** At the west end of Phase 1A over the leachate sump, the total fill thickness will be 28 feet, at the east end 23 feet. It is anticipated that this area (See Figure B-1, 1996 Operations Plan, Appendix B) will be filled in two approximately equal lifts and three horizontal segments in the following order: bottom west, bottom central, top west, top central, bottom east, top east. If the rainy season commences before the last segment is filled, it may be used as a lined stormwater catchment for the rest of Phase 1A.

Kim Ford
December 19, 1997
Page 4

- ✓ 6. **Liner performance test results.** See attached letter prepared by R.J. Bruner III, P.E. dated November 6. No corrective actions are recommended.
7. **Leachate reports through October 1997.** These reports were provided to you during a site visit. Copies are attached.
8. **Updated closure cost estimates.** This report was transmitted to Susan Pelz on December 18. CH2M HILL indicates that the funding level for our closure escrow account is sufficient.
9. **Gas well installation, groundwater monitoring well installation and sampling.** All required gas and groundwater monitoring wells have been installed. No methane has been detected in the gas monitoring wells. All groundwater monitoring wells have been sampled. As soon as analytical data is received, the complete report will be transmitted to Allison Amram.

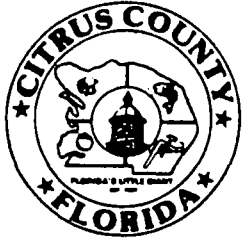
Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department (with attachments)
R.J. Bruner III, CH2M HILL, Gainesville
John Wood, CH2M HILL, Deerfield
Bob Butera, FDEP, Tampa
Susan Pelz, FDEP, Tampa
AA Allison Amram, FDEP, Tampa



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December 18, 1997

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Re: Citrus County Central Landfill, Financial Assurance Cost Estimates
Permit No. SC09-282375, Phase 1A construction
Permit No. SO09-274381, Phase 1 operation
Permit No. SSF09-211030, Closed 60-acre site

Dear Ms. Pelz:

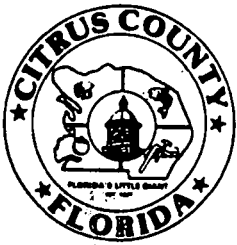
Attached please find revised financial assurance cost estimates for the referenced permits. The comments in your October 29 letter have been addressed.

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
John Wood, CH2M HILL, Deerfield
Bob Butera, FDEP, Tampa
Kim Ford, FDEP Tampa ✓



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December 17, 1997

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. SC09-282375, Phase 1A Landfill Construction
Permit No. SO09-274381, Phase 1A Operation
Modification 21375-001SO

Dear Mr. Ford:

On November 5, 1997 a spill of approximately 50 to 100 gallons of leachate occurred due to the master lift station overflowing. It was determined that a component in the control panel had failed. That part was replaced on November 19 by the subcontractor who had provided the original part.

We also discovered that although all other inputs to the master lift station are controlled, there is no provision for automatic cutoff of the lift station at the leachate treatment plant if the high level alarm in the master lift station activates. In the future, operation of the plant lift station, when pumping from the plant back to the holding tank, will be done only with operator confirmation that the master lift station is operational.

Please let me know if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
John Wood, CH2M HILL, Deerfield
Jim Brunswick, Utilities Operator



CH2MHILL

*Celebrating
50 Years*

CH2M HILL

3011 S.W. Williston Road

Gainesville, FL

32608-3928

Mailing address:

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Gainesville, FL

32614-7009

Tel 352.335.7991

Fax 352.335.2959

November 6, 1997

141420.FC.01

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

Dear Kim:

Subject: Primary Liner Performance Test, Citrus County Central Landfill (Permit # SC09-282375)

This letter provides information regarding the Primary Liner Performance Test for the Citrus County Central Landfill Phase 1A Expansion. A performance test of the primary geomembrane has been under way since May 27, the date that installation of the primary geomembrane was completed. Information and data regarding the performance test has been submitted previously as part of the Construction Quality Assurance Report including Addenda Nos. 1 and 2. The results of pumping through November 3, 1997 are included in Exhibit 1 along with rainfall data.

A temporary leachate pump was installed in the leak detection/secondary leachate collection layer on July 24, 1997. Following installation of the pump, the detection layer was pumped, and the water was contained and quantified. Pumping with one pump continued through July 26. Beginning around August 1, the temporary pump was removed and two permanent pumps were installed. These pumps were not fully operation until August 23 when pumping of the detection layer resumed. The County began installing a light-weight polyethylene geomembrane in the Phase 1A area during the week of August 4, 1997. The portion of the plastic sheeting covering the sand drainage layer was completed on August 15. A substantial portion of the CDN on the sideslopes remained exposed throughout August.

For purposes of calculating average flow rates into the leak detection/secondary leachate collection layer, the entire bottom area of the Phase 1A expansion, but not the side slopes, are assumed to contribute to leakage into the detection layer. The bottom area of the liner was calculated as the area inside the 43 foot contour on Drawing C-4. Station numbers for the calculation represent the distance west of the toe of slope on the east end of the expansion area. The liner area calculation is included as Exhibit 2.

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NOV 07 1997

Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

Mr. Kim B. Ford, P.E.

Page 2

November 6, 1997

141420.FC.01

Based on the data collected to date, the calculated average leakage rate through the primary geomembrane is approximately 63 gallon per acre per day. This rate is below the "action leakage rate" of 100 gallons per acre per day specified in the Final Rule for Liners and Leak Detection Systems for Hazardous Waste Land Disposal Units, *Federal Register*, January 29, 1992.

Following installation of the permanent pumps in the leak detection/secondary leachate collection layer, periodic flow rates exceeded the 100 gallon per acre per day rate during the initial pumping period. The average leakage rate increased from 63 gallon per acre per day to 83 gallon per acre per day between August 23 and September 9, but has since decreased to 63 gallon per acre per day. The periodic and cumulative flow rates from the leak detection/secondary leachate collection layer are plotted in Exhibits 3 and 4. Exhibit 3 shows the flow rates from the initial pumping on May 27 through November 3. Exhibit 4 shows the flow rates with all pumpage prior to start-up of the permanent pump station summed for the 88 day period between May 27 and August 23.

Based on the observations to date, the apparent high leakage rate between August 23 and September 9 appears to be the result of thorough dewatering of the leak detection/secondary leachate collection layer by the permanent pump station. Since September 9, the apparent leakage rate has been well below the 100 gallon per acre per day rate and has been relatively constant. Based on these observations, the results of the performance test are considered "acceptable". The County will continue to monitor the pumping rate from the leak detection/secondary leachate collection layer as a part of its leachate monitoring program.

If you have questions regarding the performance test or need additional information, please give me a call.

Sincerely,

CH2M HILL

R. J. Bruner III, P.E.
CQA Manager

GNV/FORD_TST.DOC

c: Susan J. Metcalfe, P.G./Citrus County
John Wood/CH2M HILL/DFB

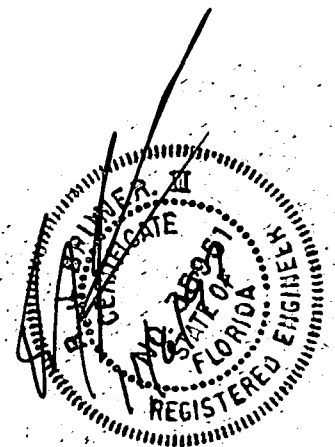


Exhibit 1
Citrus County Central Landfill
Primary Geomembrane Performance Test

| Begin Date | End Date | Days | Quantity Pumped (gal) | Periodic Flow Rate (Gal/Acre/Day) | Cumulative Flow Rate (Gal/Acre/Day) | Rainfall (inches) | Cumulative Rainfall (inches) |
|------------|-----------|------|--------------------------|---|---|----------------------|------------------------------------|
| 27-May-97 | 24-Jul-97 | 58 | 2,166 | 45 | 45 | 12.6 | 12.6 |
| 24-Jul-97 | 25-Jul-97 | 1 | 21 | 25 | 45 | 0.0 | 12.6 |
| 25-Jul-97 | 26-Jul-97 | 1 | 65 | 78 | 45 | 0.1 | 12.7 |
| 26-Jul-97 | 23-Aug-97 | 28 | 2,351 | 102 | 63 | 8.0 | 20.6 |
| 23-Aug-97 | 29-Aug-97 | 6 | 265 | 53 | 63 | 0.0 | 20.6 |
| 29-Aug-97 | 2-Sep-97 | 4 | 1 | 0 | 60 | 0.0 | 20.6 |
| 2-Sep-97 | 3-Sep-97 | 1 | 251 | 304 | 63 | 0.0 | 20.6 |
| 3-Sep-97 | 4-Sep-97 | 1 | 754 | 912 | 71 | 0.1 | 20.7 |
| 4-Sep-97 | 5-Sep-97 | 1 | 146 | 177 | 72 | 1.8 | 22.5 |
| 5-Sep-97 | 6-Sep-97 | 1 | 588 | 711 | 78 | 0.7 | 23.2 |
| 6-Sep-97 | 8-Sep-97 | 2 | 2 | 1 | 77 | 0.0 | 23.2 |
| 8-Sep-97 | 9-Sep-97 | 1 | 589 | 713 | 83 | 1.0 | 24.2 |
| 9-Sep-97 | 10-Sep-97 | 1 | 2 | 2 | 82 | 0.0 | 24.2 |
| 10-Sep-97 | 16-Sep-97 | 6 | 282 | 57 | 81 | 0.0 | 24.2 |
| 16-Sep-97 | 22-Sep-97 | 6 | - | 0 | 77 | 0.2 | 24.4 |
| 22-Sep-97 | 29-Sep-97 | 7 | 265 | 46 | 75 | 3.2 | 27.6 |
| 29-Sep-97 | 15-Oct-97 | 16 | 270 | 20 | 69 | 0.4 | 27.9 |
| 15-Oct-97 | 28-Oct-97 | 13 | 347 | 32 | 66 | 5.8 | 33.7 |
| 28-Oct-97 | 3-Nov-97 | 6 | - | 0 | 63 | 2.5 | 36.2 |
| Total | | 160 | 8,365 | | | | |

Cumulative Flow Rate = 63 Gal/Acre/Day

Bottom acreage at the 43 foot contour = 0.83

Note: One temporary pump was in place and operational from July 24 through July 26, 1997. Permanent pumps were installed starting around August 1 and in operation on August 23 when pumping resumed.

Exhibit 2
Citrus County Central Landfill
Primary Geomembrane Performance Test

| Station | Width | Area (ft ²) |
|---------------------------------|-------|-------------------------|
| 0 | 10 | |
| 95 | 16 | 1,240 |
| 255 | 30 | 3,680 |
| 400 | 43 | 5,290 |
| 600 | 60 | 10,300 |
| 785 | 72 | 12,210 |
| 805 | 80 | 1,520 |
| 827 | 80 | 1,760 |
| Total Area (ft ²) = | | 36,000 |
| Total Area (acre) = | | 0.83 |

Exhibit 3
Primary Liner Performance Test
Citrus County Central Landfill
All Data Plotted from Start of Pumping

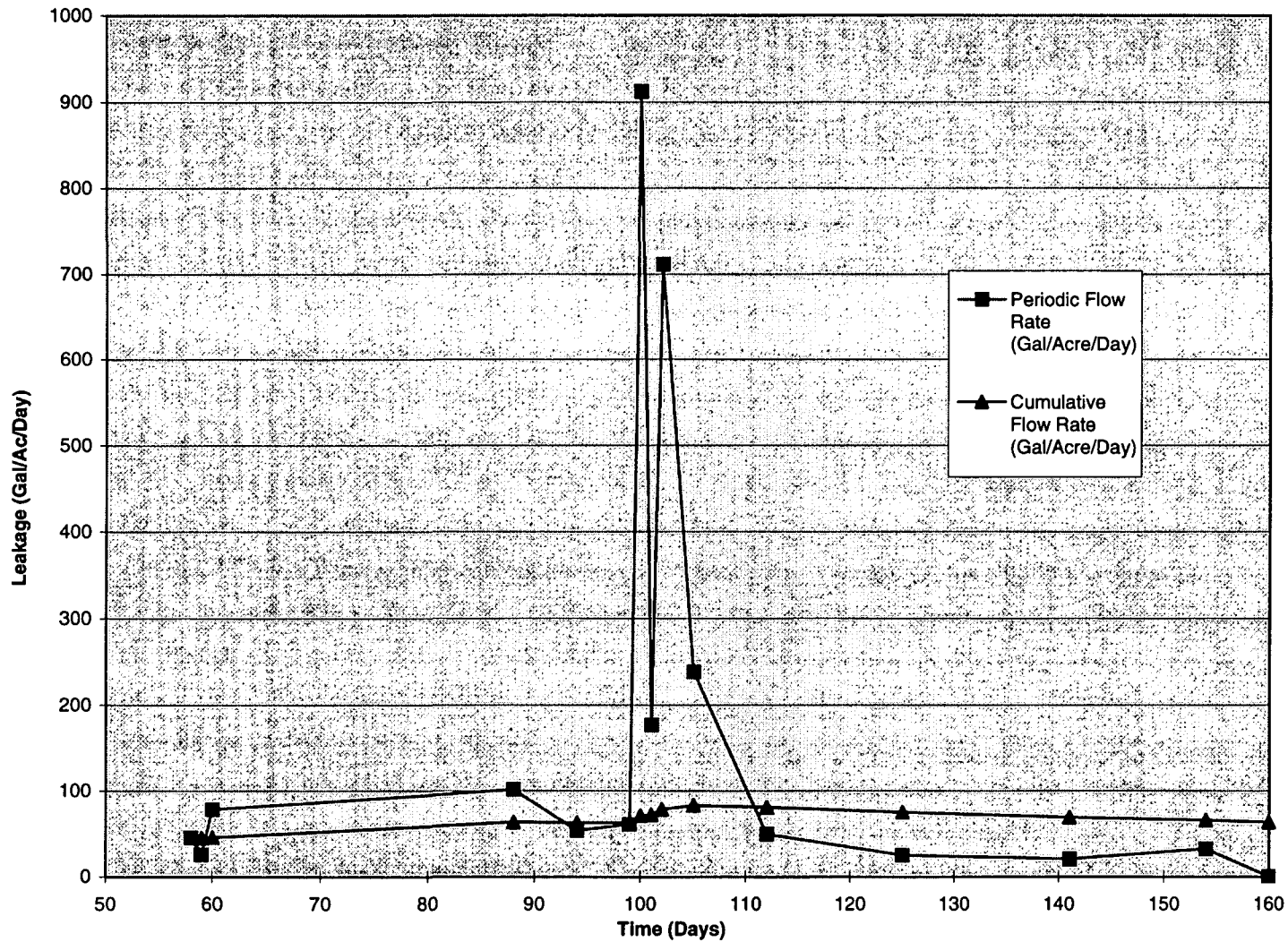
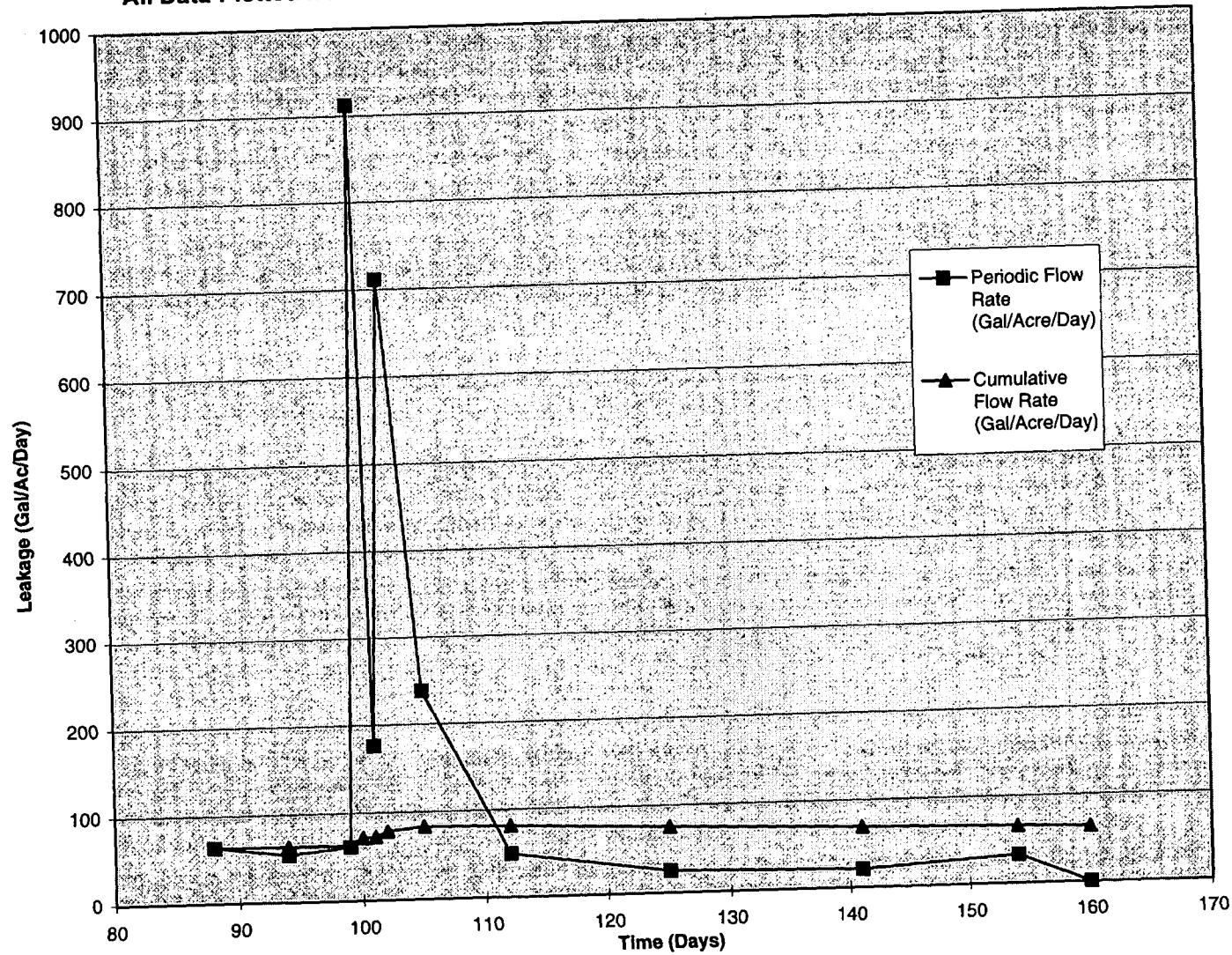


Exhibit 4
 Citrus County Central Landfill
 Primary Liner Performance Test
 All Data Plotted from Start of Permanent Pumping



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DISTRICT ROUTING SLIP

To: Allison Amram

DATE: _____

CC To:

| | | | |
|---|------------------------|-------------------------------------|--|
| | PENSACOLA | NORTHWEST DISTRICT | |
| | Panama City | Northwest District Branch Office | |
| | Tallahassee | Northwest District Branch Office | |
| | Sopchoppy | Northwest District Satellite Office | |
| X | TAMPA | SOUTHWEST DISTRICT | |
| | Punta Gorda | Southwest District Branch Office | |
| | Bartow | Southwest District Satellite Office | |
| | ORLANDO | CENTRAL DISTRICT | |
| | Melbourne | Central District Satellite Office | |
| | JACKSONVILLE | NORTHEAST DISTRICT | |
| | Gainesville | Northeast District Branch Office | |
| | FORT MYERS | SOUTH DISTRICT | |
| | Marathon | South District Branch Office | |
| | WEST PALM BEACH | SOUTHEAST DISTRICT | |
| | Port St. Lucie | Southeast District Branch Office | |

☐ Reply Optional
Date Due: _____

☐ Reply Required
Date Due: _____

☐ Info Only

Comments:

From:

Tel:

Chris McGuire, ms 35



Department of Environmental Protection

Lawton Chiles
Governor

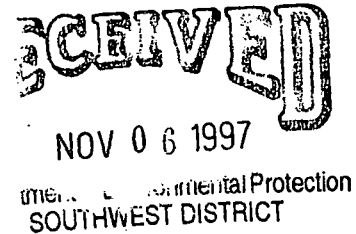
Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Virginia B. Wetherell
Secretary

November 3, 1997

Susan J. Metcalfe, P.G.
Director, Solid Waste Management
Citrus County Public Works Department
P.O. Box 340
Lecanto, Florida 34460-0340

RE: Citrus County Central Landfill
Permit No. SO09-274381



Dear Ms. Metcalfe:

Allison Amram has asked me to respond to your letter of October 7, 1997, in which you asked that the Department reimburse Citrus County for the costs to replace Well 8 at the Citrus County Central Landfill. We must decline your request.

As I understand the situation, the County (through their consultant) submitted an application for a permit to expand its landfill which included a proposed ground water monitoring plan for the expansion area. The Department determined that this monitoring plan met the applicable rule criteria, including criteria for well spacing and location, and approved the plan. Now it turns out that Well 8 does not produce sufficient water for reliable sampling and must be relocated.

It is the permit applicant's responsibility to provide "reasonable assurance" of compliance with applicable Department rules. It is also the applicant's responsibility to construct and maintain its project in compliance with those rules. Just as the applicant need not guarantee that its project will meet all rule criteria, the Department cannot guarantee that the project, if approved, will function perfectly. In this case it was the applicant who proposed the well locations based upon the best evidence it had at the time. The Department did not design the ground water monitoring plan nor did it order the applicant to place wells in any particular areas. The Department has no liability for any costs the County may incur in modifying a project to comply with applicable rules.

I hope that this letter has answered your questions. If I can be of any further help please feel free to call me at (850) 921-9627.

Sincerely,

A handwritten signature in cursive script, appearing to read "Chris McGuire".

Chris McGuire
Assistant General Counsel

cc: Allison Amram, Southwest District
Mary Jean Yon, Solid Waste Section



Board of County Commissioners

Department of Public Works

October 7, 1997

RECEIVED

OCT 10 1997

D E P

REPLY TO:

Solid Waste Management

P.O. Box 340

Lecanto, Florida 34460-0340

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill,
Permit No. SO09-274381
SC 34 Groundwater Monitoring

Dear Ms. Amram:

Specific Condition 34 of the referenced landfill operating permit requires that wells 7, 8, and 9 be constructed prior to use of Phase 1A for waste disposal. Those wells have been constructed, however well 8, although properly constructed and developed, does not produce sufficient water to sample. During our recent phone conversations, you indicated that well 8 will need to be replaced at a different location, approximately 100 feet to the south.

I have requested that abandonment and replacement of well 8 be approved by the Board of County Commissioners. They did so and directed me to request that FDEP reimburse the County for the costs to replace this well. The current estimate of the costs for that project is \$5,728.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Gary Kuhl, County Administrator

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3388

Aquatics

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3388

Engineering

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3388

Road Maintenance

Post Office Box 187
Lecanto, FL 34460
(352) 746-4107
Fax 746-3388

**Solid Waste
Management**

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3388

50 P.03 NO.006 10:40 AM 97 15 26

WASTE MGT TAMP TEL:813-724-6125



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

October 31, 1997

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

Re: Phase 1A Operation
Modification No.: 21375-001-SO
Permit No.: SO09-274381, Citrus County

Dear Ms. Metcalfe:

This is to acknowledge receipt of the additional information received October 10, 1997 provided in support of your request for a permit modification to operate Phase 1A of the 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 remains 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 applications [Chapter 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. Recent topographic map to verify actual filling follows the approved sequence of filling and a description of any temporary or permanent (existing or proposed) deviations.
2. Procedures for removal of fine grained soil from the surface of the existing protective layer and replacement of the soil, if necessary, for a layer of 24 inches and adequate permeability as previously specified.
3. Procedures for applying 24 inches of protective soil along sideslopes and unwrapping filter fabric to expose pea gravel prior to disposal, see attached detail.

- ✓ 4. Plans for access road into Phase 1A and description of stormwater management methods with use of rain cell cover for first 12 months of operation of Phase 1A.
- ✓ 5. Maximum lift height to prevent damage or failure of the sideslope liner system.
- ✓ 6. The results of a performance test for the primary liner with conclusions, and recommendations for corrective action if necessary.
7. Leachate reports through October 1997, including daily and annual summary data.
8. Updated closure cost estimates for 1997 and proof of financial assurance. A response to Ms. Pelz's October 29, 1997 letter (attached) is required. You may call Ms. Pelz to discuss her letter at (813) 744-6100, extension 386.
9. Documentation to demonstrate compliance with the current operation permit specific conditions #18 (new gas probes), #34 and #36 (new groundwater monitoring wells, construction and initial sampling).

Please provide all response that relate to engineering required for operation, signed and sealed by a professional engineer.

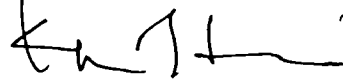
"NOTICE! Pursuant to the provisions of Section 120.60, F.S. if the Department does not receive a response to this request for information within 90 days of the date of this letter, the Department may issue a final order denying your application. You need to respond within 30 days after you receive this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

Ms. Susan Metcalfe, P.G.
Citrus County

October 31, 1997
Page Three

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
John Wood, P.E., CH2M Hill
R.J. Bruner, III, P.E., CH2M Hill
RS 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

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

October 29, 1997

RE: Citrus County Landfill Financial Assurance Cost Estimates
Permit Nos.: SC09-282375, SO09-274381, and SF09-211030, Citrus County

Dear Ms. Metcalfe:

This letter is to acknowledge receipt of the revised cost estimates dated September 22, 1997 (received October 10, 1997), for closure and long-term care of the Citrus County Landfill (Phase 1, 1A, and old closed 60 acres). The estimates were received as Attachment 1 of the October 2, 1997 letter to Ms. Susan J. Metcalfe, as prepared by CH2MHill. The cost estimates submitted are not approved. The following information is needed to fully evaluate the estimates submitted:

GENERAL:

1. FAC 62-701.630(4)(b) requires that the cost estimates shall be updated annually for "inflation and changes in the closing and long-term care plan." The following costs do not appear to have changed from the 1996-approved costs. These costs must be updated for inflation, at a minimum, or copies of current (1997) third-party quotes must be provided which support the costs submitted.

a. Closing

- 1) Slope & Fill- Placement and Spreading, Compaction;
- 2) Top Soil- Off-site Material, Delivery, Spreading, Compaction;
- 3) Gas Migration Control- Wells, Monitoring Probes;
- 4) Revegetation- all items in this category;
- 5) Benchmarks- Installation, Survey;
- 6) Administrative- all items in this category;
- 7) Quality Assurance - all items in this category;
- 8) Waste Tire Facility

b. Long-Term Care

- 1) Gas Monitoring- Quarterly monitoring;
- 2) Maintenance of Leachate Collection/Control- Collection pipes;
- 3) Maintenance of Groundwater Wells
- 4) Maintenance of Gas Migration System- Piping, Vents;
- 5) Landscape Maintenance- Fertilizer;
- 6) Benchmark Maintenance;

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

(Comment #1.b. cont'd)

- 7) Administrative/Overhead- all unit costs;
- 8) Maintenance of Cover- all items in this category;
- 9) Surface Water Drainage Maintenance- Stormwater Conveyance Maintenance; and
- 10) Security System Maintenance- all items in this category.

CLOSING COSTS:

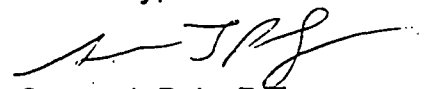
- 2. Cover Material, Synthetics- 40 mil, \$3.63/SY. Please provide a copy of the third-party estimate supporting this cost.
- 3. Waste Tire Facility- \$10,940. Please provide a detailed estimate supporting this cost. The estimate must include calculations which show the quantity of tires, de-rimring costs (if applicable), loading, transportation, shredding (if applicable), and disposal costs.

LONG-TERM CARE COSTS:

- 4. Groundwater Monitoring, \$600/well/event.
 - a. This cost does not appear to include the costs previously approved for the old 60 acre site. Please provide a copy of the third-party quote supporting this cost. Please include a detailed list of parameters and QA samples.
 - b. Please verify the number of wells included in the estimate. Permit number SO09-274381 requires groundwater monitoring for 14 wells. Please provide revised estimates as appropriate.
- 5. Leachate Monitoring. Please provide a detailed copy of the third-party quote which supports the costs submitted. Please include a list of parameters, frequencies, QA samples, etc.
- 6. Remedial Actions- \$0.00. Please explain why a contingency cost was not provided, or provide revised estimates which include a contingency.

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

Sincerely,


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

sjp
cc:

Gary Kuhl, P.E., Director, Citrus Co. Dept. of Public Works, PO Box 340, Lecanto, FL 34461
R.J. Bruner III, P.E., CH2M Hill, 3011 SW Williston Road, Gainesville, FL 32608-3928
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa
Allison Amram, P.G., FDEP Tampa

7, 13



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

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

October 29, 1997

RE: Citrus County Landfill Financial Assurance Cost Estimates
Permit Nos.: SC09-282375, SO09-274381, and SF09-211030, Citrus County

Dear Ms. Metcalfe:

This letter is to acknowledge receipt of the revised cost estimates dated September 22, 1997 (received October 10, 1997), for closure and long-term care of the Citrus County Landfill (Phase 1, 1A, and old closed 60 acres). The estimates were received as Attachment 1 of the October 2, 1997 letter to Ms. Susan J. Metcalfe, as prepared by CH2MHill. The cost estimates submitted are not approved. The following information is needed to fully evaluate the estimates submitted:

GENERAL:

1. FAC 62-701.630(4)(b) requires that the cost estimates shall be updated annually for "inflation and changes in the closing and long-term care plan." The following costs do not appear to have changed from the 1996-approved costs. These costs must be updated for inflation, at a minimum, or copies of current (1997) third-party quotes must be provided which support the costs submitted.

a. Closing

- 1) Slope & Fill- Placement and Spreading, Compaction;
- 2) Top Soil- Off-site Material, Delivery, Spreading, Compaction;
- 3) Gas Migration Control- Wells, Monitoring Probes;
- 4) Revegetation- all items in this category;
- 5) Benchmarks- Installation, Survey;
- 6) Administrative- all items in this category;
- 7) Quality Assurance - all items in this category;
- 8) Waste Tire Facility

b. Long-Term Care

- 1) Gas Monitoring- Quarterly monitoring;
- 2) Maintenance of Leachate Collection/Control- Collection pipes;
- 3) Maintenance of Groundwater Wells
- 4) Maintenance of Gas Migration System- Piping, Vents;
- 5) Landscape Maintenance- Fertilizer;
- 6) Benchmark Maintenance;

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

(Comment #1.b. cont'd)

- 7) Administrative/Overhead- all unit costs;
- 8) Maintenance of Cover- all items in this category;
- 9) Surface Water Drainage Maintenance- Stormwater Conveyance Maintenance; and
- 10) Security System Maintenance- all items in this category.

CLOSING COSTS:

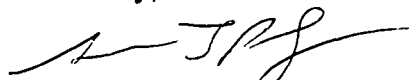
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 - b. Please verify the number of wells included in the estimate. Permit number SO09-274381 requires groundwater monitoring for 14 wells. Please provide revised estimates as appropriate.
- 5. Leachate Monitoring. Please provide a detailed copy of the third-party quote which supports the costs submitted. Please include a list of parameters, frequencies, QA samples, etc.
- 6. Remedial Actions- \$0.00. Please explain why a contingency cost was not provided, or provide revised estimates which include a contingency.

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

Sincerely,



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

sjp
cc:

Gary Kuhl, P.E., Director, Citrus Co. Dept. of Public Works, PO Box 340, Lecanto, FL 34461
R.J. Bruner III, P.E., CH2M Hill, 3011 SW Williston Road, Gainesville, FL 32608-3928
Fred Wick, FDEP, Tallahassee, w/attachment
Robert Butera, P.E., FDEP Tampa
Kim Ford, P.E., FDEP Tampa
Allison Amram, P.G., FDEP Tampa

Transmit Confirmation Report

No. : 006
Receiver : 818504140414
Transmitter : WASTE MGT TAMPA SWDIST
Date : Oct 15 97 10:41
Time : 01'25
Mode : Norm
Pages : 03
Result : OK

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date: 10-15-97

Number of pages including cover sheet: 3

To:

CHRIS MCGUIRE

Phone:

Fax phone:

CC:

850-474-0414

From:

BOB BUZZA

Phone:

Fax phone:

(813) 744-6100

(813) 744-6125

REMARKS:



Urgent



For your review



Reply ASAP



Please comment

YOUR THOUGHTS ON A RESPONSE.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 10-13-97

Subject NW8

Time 9:30

Permit No. _____

County Citrus

M Susie Metcalfe

Telephone No. _____

Representing _____

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

She wanted to let me know about her
10/7/97 letter - Board of Co Commissioners
directed her to have DEP pay for the
well. I will get w/ Bob & see how
we can best respond

(continue on another
sheet, if necessary)

Signature AAman

Title PG1



Board of County Commissioners

Department of Public Works

October 7, 1997

RECEIVED

OCT 10 1997

D E P

REPLY TO:

Solid Waste Management

P.O. Box 340

Lecanto, Florida 34460-0340

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill,
Permit No. SO09-274381
SC 34 Groundwater Monitoring

Dear Ms. Amram:

Specific Condition 34 of the referenced landfill operating permit requires that wells 7, 8, and 9 be constructed prior to use of Phase 1A for waste disposal. Those wells have been constructed, however well 8, although properly constructed and developed, does not produce sufficient water to sample. During our recent phone conversations, you indicated that well 8 will need to be replaced at a different location, approximately 100 feet to the south.

I have requested that abandonment and replacement of well 8 be approved by the Board of County Commissioners. They did so and directed me to request that FDEP reimburse the County for the costs to replace this well. The current estimate of the costs for that project is \$5,728.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Gary Kuhl, County Administrator

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Aquatics

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-9189

Engineering

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Road Maintenance

Post Office Box 167
Lecanto, FL 34460
(352) 746-4107
Fax 746-1203

**Solid Waste
Management**

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000
Fax 527-1204

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676



Board of County Commissioners

Department of Public Works

REPLY TO:

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

October 8, 1997

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

D.E.P.
OCT 10 1997
SOUTHWEST DISTRICT
TAMPA

Re: Citrus County Central Landfill
Permit No. SC09-282375, Phase 1A Landfill Construction
Permit No. SO09-274381, Phase 1A Operation
Modification 21375-001SO

Dear Mr. Ford:

This submittal is intended to complete the permit modification items requested in your letter of September 9, 1997. Citrus County requests that this permit modification be granted to allow use of the Phase 1A area for waste disposal. Two copies of all items are provided, except record drawings, for which only one set is provided.

The attached information includes:

1. a) The remaining construction certification documents as required in SC 9a, c, and d of Permit No SC09-282375 . Items previously provided have not been duplicated. These documents have been signed and sealed by R. J. Bruner, III, P.E., from CH2M HILL, the County's engineering firm for this project.

b) Fill sequence drawing Figure 11 modified by CH2M HILL and a discussion of the fill sequence prepared by Citrus County.
2. Record drawings as required in SC9b of Permit No. SC09-282375.
3. The results of a leak test for the primary liner prepared by CH2M HILL is included in the construction certification transmittal.
4. Daily and annual leachate reports for 1997 through August.
5. Closure and long term care cost estimates for 1997 prepared by CH2M HILL.

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Aquatics

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-9189

Engineering

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Road Maintenance

Post Office Box 167
Lecanto, FL 34460
(352) 746-4107
Fax 746-1203

**Solid Waste
Management**

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000
Fax 527-1204

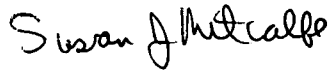
Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676

October 8, 1997
Kim B. Ford, P.E.
Page 2

I understand that in addition to review of these items, a site inspection will be made.
Please contact me to schedule a time for that visit or 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, Tom Standridge, CH2M HILL, Gainesville
John Wood, CH2M HILL, Deerfield
Project File, Smith Technology, Porter IN

Modification to Landfill Operating Permit Application prepared by CH2M HILL
October 1997, prepared by Citrus County

Section 2) - Standard Landfill Operations and Maintenance
f) - Method and Sequence of Filling Waste

D.E.P.
OCT 10 1997
SOUTHWEST DISTRICT
TAMPA

(Amend text to include the following)

As of October 1, 1997 filling of Phase 1 has progressed through Figure 7 (2.5 Year Filling Plan). This is approximately 6 months slower than had been anticipated at the time of the original permit submittal. Loss of county-generated waste during the past year to off-site disposal facilities is the reason. Recent agreements with waste haulers and cities will assure the waste stream is at least 75% of "normal" for the next year. When use of Phase 1A is approved, Citrus County intends to discontinue use of Phase 1 temporarily in order to place fill in the Phase 1A area according to Figure B1, which will improve stormwater management for the site as a whole. After filling in the Phase 1A area reaches approximately 63 feet, the Figure 8 (3.0 Year Filling Plan) sequence will be resumed, followed by Figure B4.



Florida Department of Environmental Protection

Twin towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

D.E.P.

OCT 10 1997
SOUTHWEST DISTRICT
TAMPA

Certification of Construction Completion of a
Solid Waste Management Facility

DEP Construction Permit No.: SC09-282375 County: Citrus

Name of Project: Phase 1A Expansion, Citrus County Central Landfill

Name of Owner: Citrus County

Name of Engineer: CH2M HILL, Inc.

Type of Project: Expansion of landfill liner system. This Certification represents the second phase of Certification for this project. The initial Certification of Construction Completion for this project was submitted to the Department on July 23, 1997.

Cost: Estimated \$ 1,900,000 Actual \$ 1,951,298

Site Design: Quantity: 200 ton/day Site Acreage: 80 Acres

Deviations from Plans and Application Approved by DEP: See attached.

Address and Telephone No. of Site: Citrus County Division of Solid Waste Management, P.O. Box 340, Lecanto, FL 34460-0340, Phone 9-352/746-5000

Name(s) of Site Supervisor: Susan J. Metcalfe, Director

Date Site Inspection is Requested: After October 1, 1997

This is to certify that, with the exception of deviations noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction Permit No: SC09-282375 Dated: August 7, 1996

This "Certification" shall be as set forth in Rules of the State Board of Professional Engineers, Rule 61G15-18.011(4), which states:

"Certification" shall mean a statement signed and/or sealed by a professional engineer representing that the engineering services addressed therein, as defined in Section 471.005(6), Florida Statutes, have been performed by the professional engineer, and based upon the professional engineer's knowledge, information and belief, and in accordance with commonly accepted procedures consistent with applicable standards of practice, and is not a guaranty or warranty, either express or implied.

Date: October 2, 1997

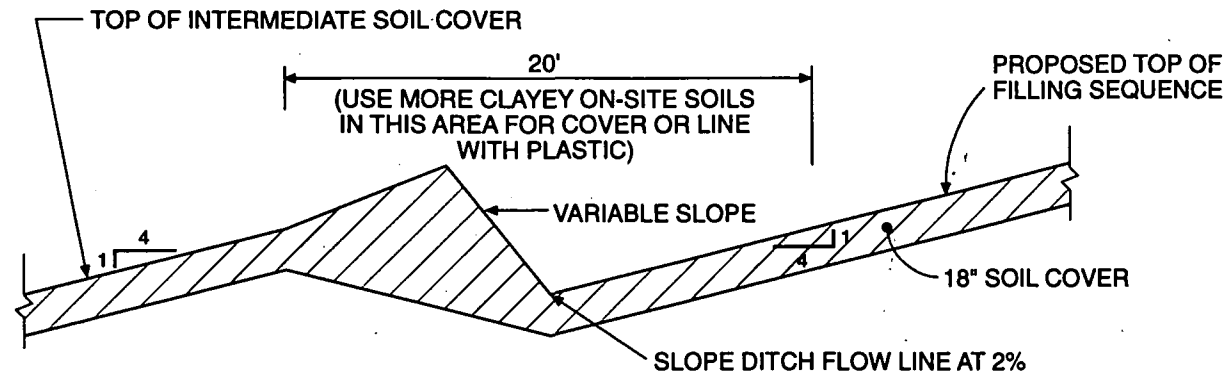
Signature of Professional Engineer
REGISTERED ENGINEER
10/10/97
35951

Deviations from Phase 1A and Application Approved by DEP

This Certification of Construction Completion is provided in accordance with Florida Administrative Code, Chapter 62-701.320(9)(a). The Certification has been prepared, in part, on the basis of information compiled and provided by others. The Engineer has made periodic visits to the site and has had a Resident Observer onsite at all times during liner construction to observe the progress of the executed work, and hereby Certifies in accordance with Rules of the State Board of Professional Engineers, Rule 61G15-18.011(4), that, the Liner System construction was performed in substantial accord with Drawings and Technical Specifications produced by CH2M HILL and Construction Permit No. SC09-282375 issued by DEP. A Construction Quality Assurance (CQA) Report for the Liner System is included as Exhibit 1. Deviations from the Phase 1A Drawings and Technical Specifications for the Liner System are as follows. Additional deviations may be noted as part of the final Certification.

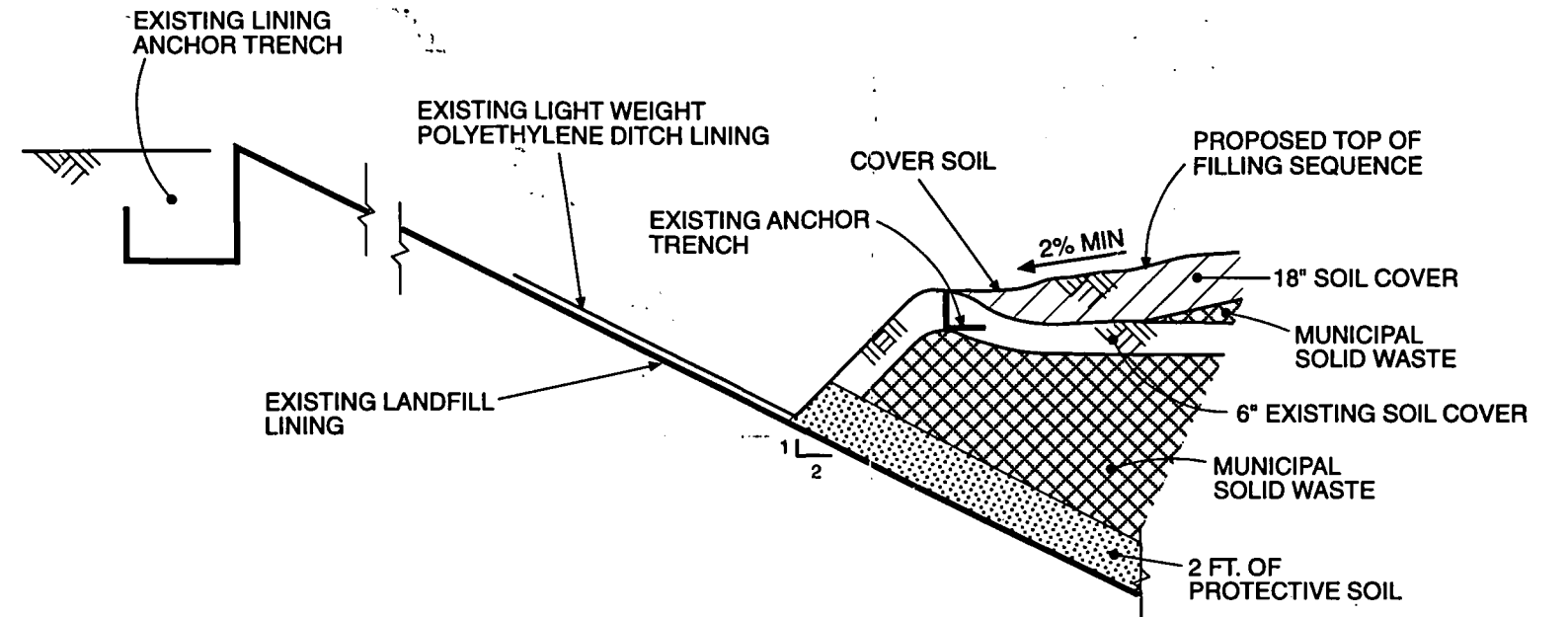
- The Lining Subbase (referred to as subgrade in CQA Report) compacted density requirement was changed from 95 percent of Modified Proctor Density (ASTM D-1557) as specified in Section 02220, Paragraph 3.10 of the Specifications to 95 percent of Standard Proctor Density (ASTM D-698). This modification was documented in Exhibit 2 to the original Certification of Construction Completion.
- The concrete key trench installed along the edge of the liner on the east and west slopes was left in place. This modification was explained in Exhibit 3 to the original Certification of Construction Completion and is documented on the Record Drawings.
- The stormwater pump station shown on Drawing M-2 was moved to the west to allow easier access for maintenance. This modification was explained in Exhibit 4 to the original Certification of Construction Completion and is documented on the Record Drawings.
- The stormwater pump station control panel shown on Drawing E-1 was moved to the west and closer to the road to allow easier access for maintenance. This modification is documented on the Record Drawings.
- A temporary stormwater pipe was installed approximately 30 feet above the toe of the liner on the east slope to allow drainage of stormwater from the existing Phase 1 landfill area into the stormwater pump station that was installed as part of the Phase 1A Expansion. This stormwater pipe will be removed when waste filling in Phase 1A reaches the pipe elevation. The modification is documented on the Record Drawings.
- The northern access road to the active fill area shown on Drawing C-5 was shifted to the east to eliminate stormwater ponding and serve as a buttress for the above referenced stormwater pipe. This modification was explained in Exhibit 5 to the original Certification of Construction Completion and is documented on the Record Drawings.
- A concrete anchor is being installed to support and anchor the leachate collection and detection side slope riser pipes at the top of the berm on the west end of the Phase 1A expansion area. This modification was explained in Exhibit 6 to the original Certification of Construction Completion and is documented on the Record Drawings.
- The geogrid anchor trench on the east end of the liner system was changed because the stormwater ditch adjacent to the anchor trench did not allow for a 12 foot horizontal burial as shown on Sheet 17, Detail 28. A sketch of the revised anchor trench detail was included as Exhibit 7 to the original Certification of Construction Completion and a revised Detail is included on the Record Drawings.

- The Testing Laboratory deviated from the Hydraulic Conductivity Testing Procedure required by Section 02220, Paragraph 2.1.D.2 of the Specifications. The Testing Laboratory's explanation for this deviation was included in Exhibit 8 to the original Certification of Construction Completion. Further documentation regarding this deviation was included in Addendum No. 1 to the CQA Report. The Addendum was submitted to the Department on July 28, 1997.
- A protective sand layer was installed over the northern leachate collection pipe shown on Drawings C-13 and C-14 to protect the geotextile and allow for easier maintenance. This modification was explained in Exhibit 9 8 to the original Certification of Construction Completion and is documented on the Record Drawings.
- The clean-outs for the Phase 1 area leachate pipes shown on Drawing C-11, Detail 6 were moved further to the South to eliminate conflicts with other piping. This is documented on the Record Drawings.
- The transmissivity, thickness, and a tensile strength of the CDN varied from the values stated in Section 02248 of the Specification. This variation is documented and explained in Addendum No. 2 to the CQA Report submitted along with this Certification.

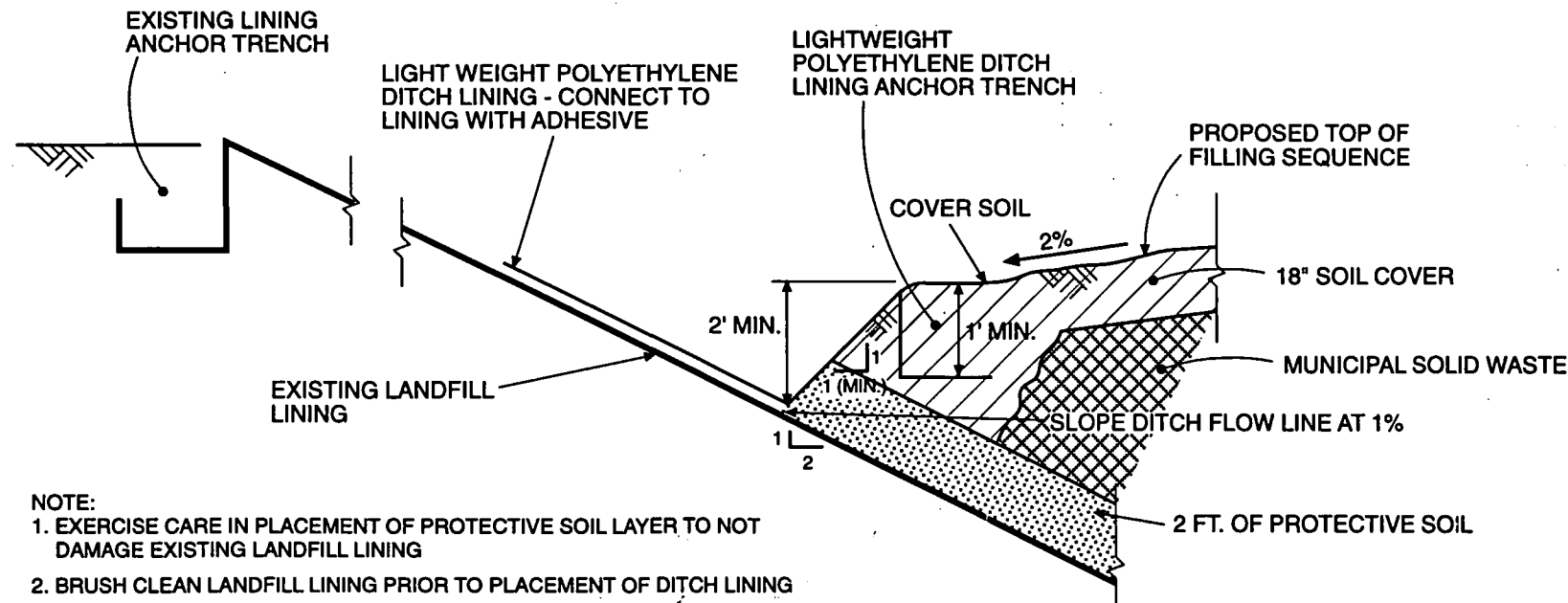


NOTE:
SEED AND MULCH ALL 4:1 SLOPES

DITCHES ON NORTHERN FACE
NTS

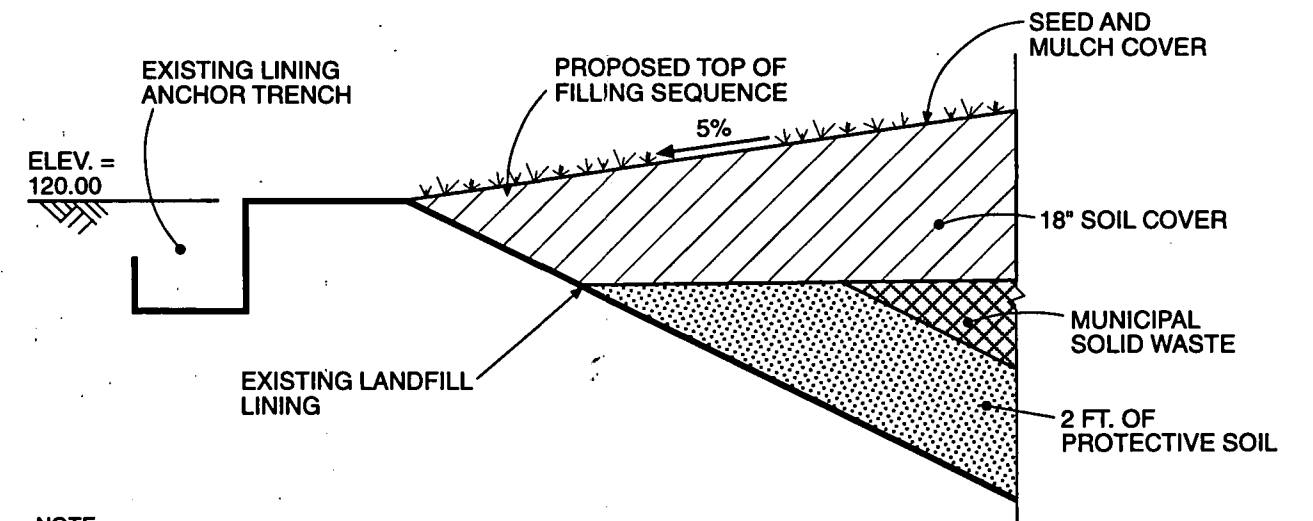


CONNECTION TO EXISTING LINED DITCH
NTS



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

NEW LINED DITCH
NTS



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

EXISTING ANCHOR TRENCH DETAIL
NTS

Figure 11
Typical Sections

Officials anticipate shortfall at county landfill

By Earle Kimel
Staff writer

Less than a month into the new fiscal year, county officials are staring at a possible shortfall at the Citrus County Landfill.

The figure could be as high as \$326,000 in a \$4.18 million budget. But the exact number can't be pinned down until the county settles the commercial waste assessment rate, Citrus County Solid Waste Division Director Susan Metcalfe said.

In September, the commission created a \$27 per household flat fee, or municipal

Using the numbers the county does have, those figures come up

\$326,000 short, based on an estimated advanced disposal

fee of \$1.90 per cubic yard.

services benefit unit, to raise money to cover disposal costs at the landfill. That, coupled with a \$30 per ton tipping fee and the commercial assessment should generate the money needed to operate the landfill.

But while the residential fee was com-

plex — the commercial one is even more complex to pin down.

The biggest problem is that all the trash haulers haven't turned in figures needed to calculate the budget.

"Without having all of the data, the numbers are estimates," Metcalfe said.

And using the numbers that the county does have, those figures come up \$326,000 short, based on an estimated advanced disposal fee of \$1.90 per cubic yard.

The trash haulers that operate in the county have been asked to provide a confidential computer list of all their commercial customers, the number of times they're serviced and the size of the container.

All Bright Sanitation, Ed Calkins and Beverly Hills Rolling Oaks have turned in all their numbers, Metcalfe said.

Please see **LANDFILL**, Page 4A

LANDFILL

continued from Page 1A

Waste Management of Central Florida, Inc. and United Sanitation/GeoWaste have not.

Waste Management did submit data at one time, but in the wrong format for the county's computers.

GeoWaste, which takes virtually all of the trash it collects in Citrus

County to a transfer station for disposal at a landfill in Georgia, has not handed in any paperwork either, Metcalfe said.

GeoWaste attorney Clark Stillwell said the company is in the process of gathering the information in usable form too.

"It's just not coming out as quickly as the county would like it," Stillwell said. "But they're going to provide it in the county."

The situation at the landfill will

be brought before the Citrus County Commission at its Oct. 28 meeting, Metcalfe said.

At that time, the entire commercial assessment program will be discussed.

And, Metcalfe said, once all the waste haulers turn in their figures, there's a possibility of enough garbage coming in that there won't be a shortfall.

If the \$326,000 figure holds up,

about \$80,000 of that can be offset by about \$80,000 in savings the county realized through the purchase of a trash compactor, Metcalfe said.

The difference would probably be made up by cutting costs at the landfill, or dipping into the county's contingency fund.

"I would guess that cutting expenses would probably be the way to go," Metcalfe said. "It's sort of like your home budget."

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 8/24/97 Subject MW-8
Time 3:20 Permit No. _____
County _____
M Susie Metcalfe Telephone No. 352/746-5000
Representing Citrus County
☒ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

If the BOCC approves well w/o bid, can
contract well on Oct 8th

MW8 - MWC - 400') Move Well MW8
MW8 - MWA - 300') to south

She will let me know their schedule
after the BOCC meeting 10/7.

well construction - DEP gently doesn't
want MWs w/ >20' screen, but we'll
have to see what they find when they
redrill. Expect field adjustment for depth,
length of screen

(continue on another
sheet, if necessary)

Signature AAmmam

Title PG1

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

State of Florida
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

RECEIVED

SEP 24 1997

Department of Environmental Protection
SOUTHWEST DISTRICT

BY

Bob Butera - Solid Waste

71



P 145 063 058

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

| | | |
|---|---------------|--|
| Sent to | Susan McKeefe | |
| Street & Number | Citrus County | |
| Post Office, State, & ZIP Code | | |
| Postage | \$ | |
| Certified Fee | | |
| Special Delivery Fee | | |
| Restricted Delivery Fee | | |
| Return Receipt Showing to Whom & Date Delivered | | |
| Return Receipt Showing to Whom, Date, & Addressee's Address | | |
| TOTAL Postage & Fees | \$ | |
| Postmark or Date | SEP 18 1997 | |

PS Form 3800 April 1995

Explosive

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

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

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

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

Consult postmaster for fee.

3. Article Addressed to:

SUSAN METCALFE, P.G., DIR.
DIV. OF SOLID WASTE MGMT
CITRUS OCUNTY
P O BOX 340
LECANTO, FL 34461-0340

4a. Article Number

P 145-063 058

4b. Service Type

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

7. Date of Delivery

9-22-97

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

X *Clare Smith*

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

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service



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 18 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. Susan 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 18 1997

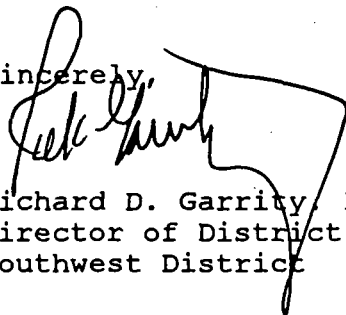
Ms. Susan J. Metcalfe
Citrus County Solid Waste Management

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



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

September 9, 1997

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

Re: Phase 1A Operation
Modification No.: 21375-001-SO
Permit Nos.: SO09-274381 and SC09-282375, Citrus County

Dear Ms. Metcalfe:

This is to acknowledge receipt of your request for a permit modification received August 14, 1997 to operate Phase 1A of the 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 applications [Chapter 62-701, Florida Administrative Code (F.A.C.)]. Please provide:

1. The remaining construction certification documents and fill sequence diagrams referenced in your August 20, 1997 letter.
2. Record drawings as required by specific condition #9 of construction permit #SC09-282375.
3. The results of a leak test for the primary liner with conclusions, and recommendations for corrective action if necessary.
4. Leachate reports through August 1997, including daily and annual summary data.
5. Updated closure cost estimates for 1997.

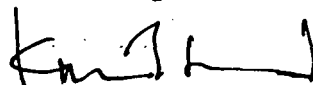
Ms. Susan Metcalfe, P.G.
Citrus County

September 9, 1997
Page Two

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

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

Sincerely,



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

KBF/ab

cc: Ken Saunders, Citrus County
John Wood, P.E., CH2M Hill
R.J. Bruner, III, P.E., CH2M Hill
Robert Butera, P.E., FDEP Tampa

ab

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/2/97
Time 9:15

Subject Low Yield Well - MW-8
Permit No. S. well on W. side
County Citrus
Telephone No. _____

M Susie Metcalfe
Representing Citrus

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

Low yield well - 3500 ml in one day - clear
pH is normal, well is straight enough ^{water}
20' screen in friable limestone
well development - went ok w/ diaphragm pump
Pump in now - switched - neither pump
will pull water

- She has put off sampling because of
this - now must sample cuz the well
be filling soon in Phase 1A.

- 9/4 - Called Susie - She's out -- I'll call her tomorrow
- 9/5 - She wants to keep the well + sample it -
Sample 1x/week to get what they can out
of the well.

(continue on another
sheet, if necessary)

Signature Allison Arman

Title PGI

PA-01
1/96
pap

I will call the QA section + see about sampling

9/11/97 c told her that if the well is too tight to get a sample,
that it prob. is not located well enough to detect gw
emigrating from the landfill. The lab will be
sampling Wed. + Thurs. next week - She will see if the yield is better



Board of County Commissioners

Department of Public Works

August 20, 1997

RECEIVED
AUG 25 1997
Department of Environmental Protection
SOUTHWEST DISTRICT

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, Phase 1A Construction
Permit No. SC09-282375**

Dear Mr. Ford:

According to new County policy, we are not allowed to handle payment checks. Therefore, the \$250 payment from Citrus County to FDEP received on August 18th at your office was delivered with no cover letter.

Please apply that payment to a minor permit modification for the referenced permit to allow a change from construction to operation. We understand that several items are yet to be provided to complete the application. These include, the remaining construction certification document and supporting documents, and fill sequence diagrams. It is expected that these data will be provided to you by September 12.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Robert Butera, FDEP, Tampa
John Wood, CH2M HILL, Deerfield
R.J. Bruner III, CH2M HILL, Gainesville

Administrative Office

Post Office Box 440
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Fax 746-3368

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Fax 746-1203

**Solid Waste
Management**

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Utilities

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Lecanto, FL 34460
(352) 746-2694
Fax 746-1676

TE OF FLORIDA
COUNTY OF CITRUS
INVERNESS, FLORIDA

County Warrant

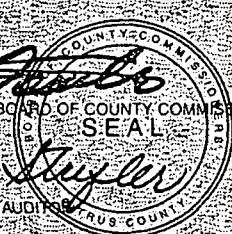
118816

9 - 21375 - 001

| MENT | ACCOUNT | PURCH ORDER | INVOICE NUMBER | AMOUNT | DESCRIPTION |
|------|---------|-------------|----------------|----------|-----------------------|
| | 54912 | | MODIFICATION | 250.00 A | MODIFY #S10-09-274381 |

4 DEPT OF ENVIRONMENTAL PROTECTION

PLEASE DETACH
BEFORE DEPOSITING ↓

| | | |
|--|--|---|
| STATE OF FLORIDA County Warrant 110 NORTH APOPKA AVENUE INVERNESS, FLORIDA 34450 | CITRUS COUNTY ACCOUNTS PAYABLE SUNTRUST BANK INVERNESS, FLORIDA VOID AFTER 90 DAYS 63-115 631 | 118816 CHECK DATE 118816 08/12/97 |
| TWO HUNDRED FIFTY DOLLARS & ZERO CENTS | | AMOUNT *****250 00** |
| DEPT OF ENVIRONMENTAL PROTECTION |  CHAIRMAN BOARD OF COUNTY COMMISSIONERS SEAL CLERK AND AUDITOR | |



Board of County Commissioners

Department of Public Works

REPLY TO:

Solid Waste Management

P.O. Box 340

Lecanto, Florida 34460-0340

August 8, 1997

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Permit No. SO09-247381
Citrus County Central Landfill

Dear Ms. Amram:

RECEIVED
AUG 13 1997

Department of Environmental Protection
SOUTHWEST DISTRICT

BY _____

Citrus County is pleased to submit two copies of the "Two-Year Groundwater Monitoring Report - Citrus County Central Landfill" prepared for us by CH2M HILL and sealed by Martin J. Clasen P.G. The findings of this review are that the existing monitoring network, frequency of sampling and analysis are sufficient to monitor the site.

The report recommends use of low-flow sampling techniques. During the next year, we have budgeted for purchase of dedicated pumps for all wells in the monitoring system. With the installation of those pumps, which can be operated at low flow rates, the problems noted with high turbidity and some metals should be reduced.

No changes to the monitoring system, other than addition of Wells MW-7, MW-8 and MW-9 and use of the new sampling technique are anticipated.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Robert Butera, EDEP, Tampa

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Aquatics

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(352) 746-2694
Fax 746-9189

Engineering

Post Office Box 440
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Road Maintenance

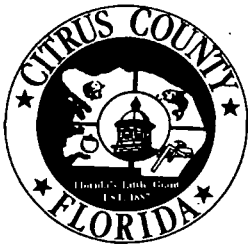
Post Office Box 167
Lecanto, FL 34460
(352) 746-4107
Fax 746-1203

Solid Waste Management

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000
Fax 527-1204

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676



Board of County Commissioners

Department of Public Works

REPLY TO:

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

July 2, 1997

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Permit No. SO09-247381
Citrus County Central Landfill

Dear Ms. Amram:

ok This is to request an extension to the deadline for delivery of the bi-annual groundwater monitoring plan evaluation from July 15, 1997 to August 15, 1997. Delays in contracting by the County and providing the data to CH2M HILL, who will prepare the report are the cause.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Robert Butera, FDEP, Tampa

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Citrus SO permit
file

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 6/30/97
Time 10:25

Subject CTP form & GW Eval
Permit No. _____
County Citrus
Telephone No. _____

M Susie Metcalfe
Representing Citrus

☒ Phoned Me ☐ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

- She is just contracting CH₂M Hill to do the gw eval. Anticipates that it will be a few weeks late. Once she has a schedule from CH₂M Hill, she will write me a letter asking for an extension to _____ date.

- Susie also asked if we need the WWTP reports for the CTP. No - we just need the quarterly reports required by the permit. She should keep the operator forms - they may be useful troubleshooting. FDEP can review if there is a problem.

(continue on another
sheet, if necessary)

Signature Allison Amman
Title PG/



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

JUN 10 1997

Ms. Susan Metcalfe, P.G.
Director
Citrus County Solid Waste Management
Post Office Box 340
Lecanto, FL 34461-0340

**Re: Mercury Containing Devices To Be Removed From The
Waste Stream
Citrus County Central Landfill**

Dear Ms. Metcalfe,:

As you are aware there has been a number of special wastes that have been identified by the Department recently that are required to be removed from the solid waste stream and handled appropriately. Enclosed are copies of photographs (3 sheets) I received from Jack Price of the FDEP Grant's Program that I thought would assist you and your personnel (particularly spotters employed at the working face of the landfill) in identifying some devices that contain mercury. A few of these items such as a marine bilge bump float switch, unusually configured socket type fluorescent lamps, and welding units may not have been obvious to personnel performing the duties required of a spotter.

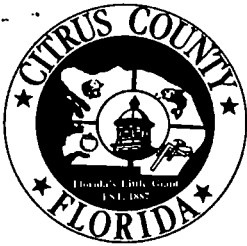
The Department thanks you in advance for continued protection of the environment. If you have any questions concerning this letter do not hesitate to contact me at 813-744-6100, Ext. 451.

Sincerely,

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

Encl.

cc: Danielle Nichols, FDEP C/E



Board of County Commissioners

Department of Public Works

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

May 29, 1997

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

RECEIVED
JUN 02 1997

Department of Environmental Protection
SOUTHWEST DISTRICT

Re: Permit No. SC09-282375
Phase 1A Construction

Permit No. SO09-274381
Phase 1 Operation

Dear Mr. Ford:

The temporary leachate pumping equipment which removes leachate generated by the Phase 1 operating area during construction of Phase 1A failed to operate during the period of May 16-20. Discovery of the pump failure was delayed because there is not a functional flow meter in the temporary configuration and leachate flow calculations are made by measurement of the fluid level in the holding tanks combined with readings from the flow meter from the 7-acre site. The operator who makes the measurements and calculations of flow was not on duty the 16th through the 18th.

The cause of the pump failure is unknown at this time because it could not be removed in the current configuration. On May 21, a new pump was installed in the temporary containment vessel and leachate pumping has been resumed.

Leachate flow from the Phase 1 area averaged about 2,800 gallons per day during the first half of the month, according to the flow meter readings. There is some question as to the accuracy of the flow meter readings. During the second half of the month, that average daily flow was about 4,200 gallons, according to the measurements of fluid level in the leachate storage tank.

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**Solid Waste
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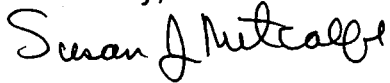
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Fax 746-1676

May 29, 1997
Kim B. Ford, P.E.
Page 2

Please contact me if you have any questions.

Yours truly,

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

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Robert Butera, FDEP, Tampa
John Wood, CH2M HILL, Deerfield
Clyde Walker, CH2M HILL, onsite
Gary Lyons, Smith, onsite
Jim Armour, Smith, Porter, IN



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 21, 1997

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

Re: Phase 1, Sequence of Filling
Permit No.: SO09-274381, Citrus County

Dear Ms. Metcalfe:

The Department has no objection to use of the June 18, 1996 Operations Plans for Phase 1 by CH2M Hill for transitional guidance for filling to the designed dimensions and cross-sections shown on Figures 1 through 10 of Appendix B previously approved by the Department. The stormwater conveyances shall conform to the typical sections for Phase 1 top and side slope stormwater conveyances as shown on Figure 11. Any additional stormwater conveyance details should be submitted to the Department for review and approval prior to implementation. Figure B-23 as referenced in your February 7, 1997 letter was provided for Phase 1A and lacks sufficient detail.

Be advised, pursuant to Specific Condition #3.a., Phase 1A certification of construction completion and detailed drawings for the sequence of filling are required as part of your request for a permit modification to allow Phase 1A operation.

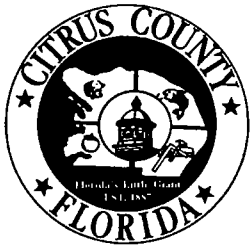
On all future correspondence, please include Robert Butera on distribution. If you have any questions you may call me at (813) 744-6100, extension 382.

Sincerely,

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

KBF/ab

cc: John Wood, P.E., CH2M Hill
Robert Butera, P.E., FDEP Tampa 5/23



Board of County Commissioners

Department of Public Works

RECEIVED
APR 28 1997
D E P

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

April 23, 1997

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

Re: Permit No. SO09-247381
Citrus County Central Landfill

Dear Mr. Ford:

Severe weather this morning caused approximately 600 feet of landfill perimeter fence fabric on the east side of the active landfill to be blown off the posts. Therefore access to the landfill is not restricted in that area which abuts the state forest. We expect repairs to be made within a few days.

Please contact me if you have any questions.

Yours truly,

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

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Director, Public Works Department
Robert Butera, FDEP, Tampa

Administrative Office

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Board of County Commissioners

Department of Public Works

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

February 7, 1997

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

D.E.P.

MAR 10 1997

**SOUTHERN
TAMPA**

Re: Citrus County Central Landfill
Permit No. SO09-274381

Dear Mr. Ford:

Enclosed please find two copies of drawings prepared by CH2M HILL for Citrus County to show sequence of filling for Phase 1. These were prepared several months ago to provide guidelines for daily operation. They follow the same concepts as the drawings submitted in Appendix B of the Operations Plan submitted in final form October 1996. As you noted in the field, on your visit two weeks ago, there are some differences in details between the previously submitted drawings and this set.

There are minor differences between field operations and the enclosed drawings as well. Last summer, we were following an earlier draft of these drawings but interrupted filling in the Step 1A area due to the onset of the rainy season. We have followed this sequence through Step 2A, 2B and most of 2C. We have reserved the top few feet of 2C for wet weather emergency filling. We have recently returned to the Step 1A area.

The gutter along the south side was recently removed. After placing the two-foot protective cover on the liner, waste was placed along the gutter alignment and the entire area was sloped to the north. Protective cover was then extended to the top of the liner. The gutter is most effective in diverting run-on, preventing erosion and creating less underdrain leachate in areas where there is a long open slope above the waste-filled area; currently the most essential area to have gutter is along the east side. The County determined that the least cost most effective option would be to remove the south side gutter and replace the east side at a higher level. A steep-sided, below waste grade gutter also creates the potential for leachate seeps during the rainy season, which was another reason to create the current configuration.

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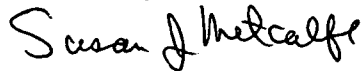
March 6, 1997
Citrus County Central Landfill
Permit No. SO09-274381
Page 2

Because of the reduction in waste flow (down from 220 tons per day in February 1996 to 120 tons per day in February 1997), the timing of filling has not followed the projections. Although the waste stream has been cut by nearly one half, the fill rate is slowed but not by half. I believe this is due to the now -larger proportion of cover material.

Another field inspection comment was that the cross slope ditches did not match the cross section shown in Figure B-23. We discovered that such a configuration was not easily constructable with available equipment, but that a steeper downside slope was buildable. We have considered placing liner similar to the gutter on those ditches to reduce the need for maintenance, but have not done so as yet.

Please contact me if you have any questions.

Yours truly,



Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Acting Director, Public Works Department
Bob Butera, DEP, Tampa
John Wood, CH2M HILL, Deerfield



Board of County Commissioners

Department of Public Works

Citrus 50
permit file

February 10, 1997

D.E.P.

FEB 13 1997

SOUTHWEST DISTRICT
TAMPA

Ms. Allison Amram
Environmental Specialist III
Dept. of Environmental Regulation
Waste Management Section
3804 Coconut Palm Drive
Tampa, FL 33619-8318

**RE: COMPLIANCE OF 62-500 (3) (e) F.A.C. - ZONE OF DISCHARGE
- CITRUS COUNTY CENTRAL LANDFILL - PERMIT #SO09-274381**

Dear Ms. Amram:

In compliance with Specific Condition 30. c., please find certified copy of the Affidavit and Attachment A., which has been recorded in O.R. Book 1169, pages 0399 and 0440 of the Public Records of Citrus County, Florida. (Hard copies mailed this date.)

If further information or clarification is needed, please do not hesitate to contact this office.

Sincerely,

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

Susan Metcalfe
Director, Division of
Solid Waste Management

SM:CJW:cjw

CC: Kenneth Saunders, Acting Director, Dept. Public Works
Cathy Winter, Solid Waste Tech. II

Administrative Office

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15.02
BAC

AFFIDAVIT

STATE OF FLORIDA
COUNTY OF CITRUS

BEFORE ME personally appeared Susan J. Metcalfe, who after being duly sworn according to law, deposes and states:

- 1. Whereas the Board of County Commissioners of Citrus County was issued a permit (SO09-274381) by the Florida Department of Environmental Protection on October 28, 1996 for operation of a landfill and
- 2. Whereas Specific Condition 30 of referenced permit requires the permittee to record the dimensions of a zone of discharge to groundwater on the property record of the adjacent land according to requirements of Rule 62-522.500 (3) (e) F.A.C. and
- 3. Whereas the dimensions of the zone of discharge are described in Attachment A and
- 4. Whereas the affected parcel is a portion of the Withlacoochee State Forest adjacent to the landfill in Section 1, Township 19 South, Range 18 East.
- 5. Therefore this document is attached to the property record of the affected parcel as notification to current and future owners of the extent of the zone of discharge to groundwater from the permitted facility.

Dated this 31st day of January 1997.

Further Affiant sayeth not.

Susan J. Metcalfe
Susan J. Metcalfe, Director
Citrus County Division of Solid Waste Management
Department of Public Works
Post Office Box 340
Lecanto, FL 34460-0340
(352) 746-5000

941913
FILED & RECORDED
CITRUS COUNTY, FLORIDA
BETTY STRIFLER, CLERK
97 FEB 4 PM 3 34
VERIFIED BY: [Signature] D.C.

The foregoing Affidavit was acknowledged before me this 31st day of January, 1997, by Susan J. Metcalfe, who is personally known to me and who did take an oath.

Claire M. Smith

Notary Public - State of Florida



CLAIRE M SMITH
My Commission OC405012
Expires Sep. 19, 1998
Bonded by ANB
800-852-5878

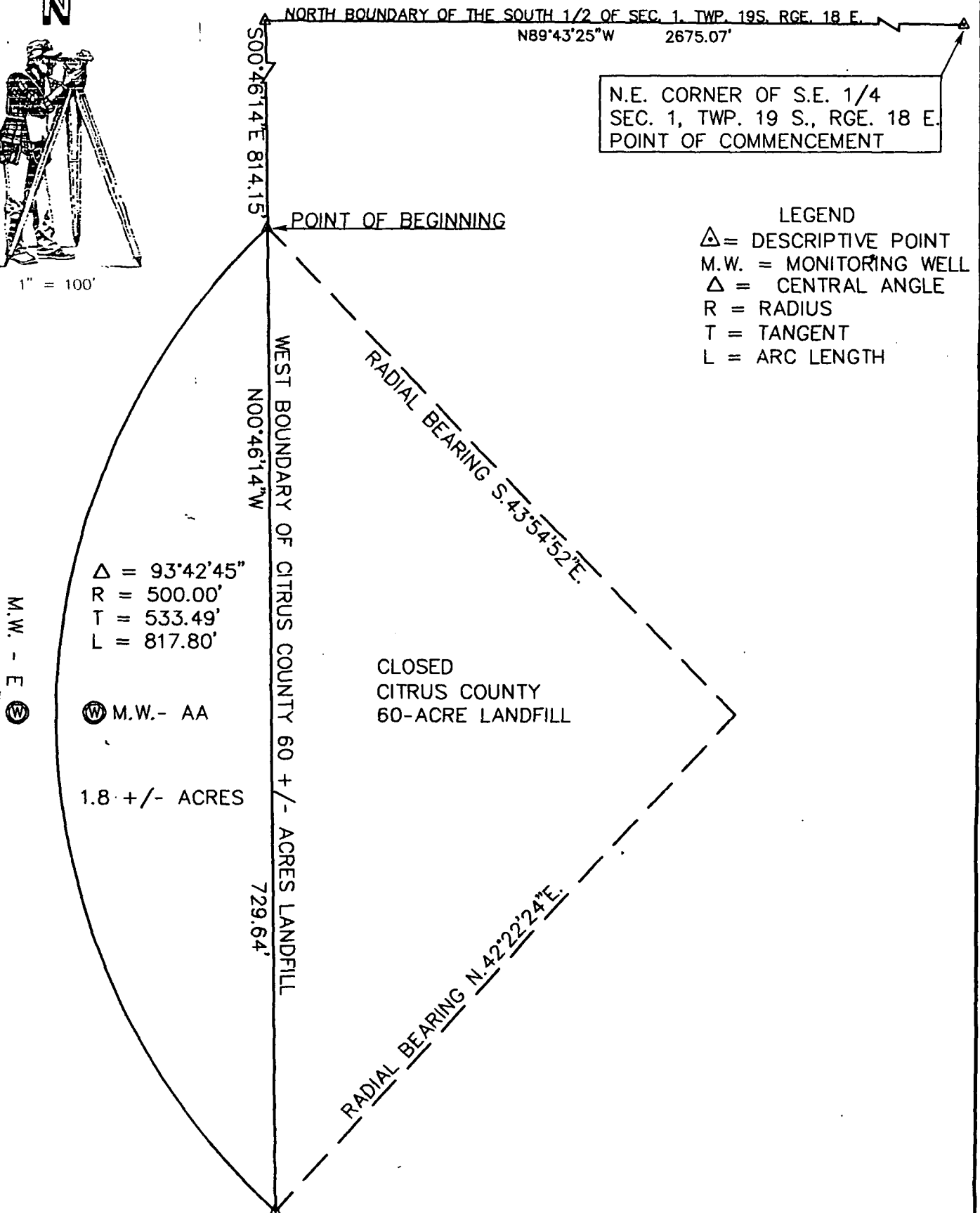
CERTIFIED TO BE A TRUE COPY
BETTY STRIFLER
CLERK OF COUNTY COURT

BY: [Signature] D.C.
This 4th day of Feb., A.D. 19 97

DESCRIPTIVE SKETCH

(THIS IS NOT A SURVEY)

BK 1169PG0400



LEGEND

- Δ = DESCRIPTIVE POINT
 M.W. = MONITORING WELL
 Δ = CENTRAL ANGLE
 R = RADIUS
 T = TANGENT
 L = ARC LENGTH

CLOSED
 CITRUS COUNTY
 60-ACRE LANDFILL

A PARCEL OF LAND LYING IN SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, TALLAHASSEE MERIDIAN, CITRUS COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHEAST CORNER OF SECTION 1, TOWNSHIP 19 SOUTH, RANGE 18 EAST, TALLAHASSEE MERIDIAN; THENCE N.89°43'25"W. ALONG THE NORTH BOUNDARY OF THE SOUTH ONE-HALF OF SAID SECTION 1, A DISTANCE OF 2,675.07 FEET TO THE INTERSECTION OF SAID NORTH BOUNDARY AND THE NORTHERLY EXTENSION OF THE WEST BOUNDARY OF THE 60 ACRE CITRUS COUNTY LANDFILL; THENCE S.00°46'14"E. ALONG SAID WEST BOUNDARY, A DISTANCE OF 814.15 FEET TO THE POINT OF BEGINNING, SAID POINT OF BEGINNING ALSO BEING A POINT OF INTERSECTION WITH A NON-TANGENT CURVE, CONCAVE EASTERLY, HAVING A RADIUS OF 500.0 FEET AND A CENTRAL ANGLE OF 93°42'45"; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE TO THE LEFT, A DISTANCE OF 817.80 FEET TO A POINT ON THE WEST BOUNDARY OF SAID 60 ACRE LANDFILL; THENCE N.00°46'14"W. ALONG SAID WEST BOUNDARY, A DISTANCE OF 729.64 FEET TO THE POINT OF BEGINNING. CONTAINING 1.83 ACRES MORE OR LESS.

STATE OF
 Dated this 6th day of October, 1998

Patrick L. Henson, Professional Surveyor Mapper No. 4547
 Not valid without an original signature and seal.



Board of County Commissioners

Department of Public Works

MEMORANDUM

TO: Joanne Mishou, Deputy Clerk

FROM:  Susan Metcalfe, Director, Solid Waste Management Division

DATE: January 31, 1997

SUBJECT: Landfill Zone of Discharge Recording

The attached document needs to be recorded on the property record of the adjacent property, the State Forest property located to the west of the closed landfill. According to Jenni-Gail Adams, that record is located in OR Book 610 Page 1231, and is the South 1/2 of Section 1, Township 19 South, Range 18 East. Please arrange for the Clerk to record the document and bill the BOCC.

I will need a certified copy including a notation of the location of this record to be returned to me so that I can submit it to FDEP as proof of compliance with our permit requirement. Thanks for your help.

CC: Ken Saunders, Acting Director, Public Works Department

BK 1169PG0401

Administrative Office

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

Mar 26 '97 13:21

| | |
|------------|-------------------|
| FDEP/SLERP | ---> 813525271204 |
| No. | 0007 |
| Mode | NORMAL |
| Time | 2'06" |
| Pages | 6 Page(s) |
| Result | OK |

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date:

3/26/97

Number of pages including cover sheet:

6

To:

SWAN METALFAC

Phone:

(352) 746 5000

Fax phone:

(352) 527 1204

CC:

From:

Jim Peters

Phone:

(813) 744-6100

*382

Fax phone:

(813) 744-6125

REMARKS:

☐ Urgent

☐ For your review

☐ Reply ASAP

☐ Please comment

INFO on CCC'S
AS YOU REQUESTED



Lawton Chiles
Governor

Florida Department of Environmental Protection

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

Virginia B. Wetherell
Secretary

February 22, 1994

Mr. Daryl H. Smith, Director
Hillsborough County Department of Solid Waste
P.O. Box 1110
Tampa, FL 33601

RE: FDEP Disposition relative to permitting the six operating Hillsborough County
Collection Centers

Dear Mr. Smith:

The Department has reviewed your letter relating to permitting of Hillsborough County Community Collection Centers (CCC's) as Transfer Stations. The Department appreciates your concern and rationale for creating these facilities to ensure that hazardous materials are not introduced into the Hillsborough County Solid Waste Management System as well as providing a method of disposal for residents in the rural areas of the county who do not subscribe to curb-side collection service.

The Department, at this time, will not require the Community Collection Centers to be permitted in accordance with 17-701.801 F.S. if the following procedures are complied with in handling solid waste at these facilities:

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

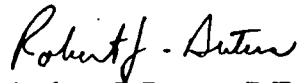
(4) Grading of the site shall allow storm water to be directed away from the collection area where the roll-off containers or dumpsters are located in order to minimize or eliminate any potential for ponding at the CCC's - berms should be used to prevent the discharge of potential leachate to surrounding areas and storm water conveyances;

(5) All processable and non-processable solid waste, with the exception of recyclables, shall be removed from the site at least daily or when a container is full. At the close of business each day when no additional waste will be received all processable and non-processable waste shall be covered with a waterproof tarp until the facility is again receiving solid waste.

The Department agrees with the County that control and monitoring of solid waste types at these facilities not only may minimize the environmental risk at the site but is an effective method of screening waste that will be processed at the Hillsborough County's WTE facility and landfill.

If there are any questions you may have, do not hesitate to contact me at 744-6100, Ext. 451.

Sincerely,



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

cc: Schipfer, P. - HCEPC
Morgan, S. - FDEP

HILLSBOROUGH COUNTY

Florida

Office of the County Administrator
Frederick B. Karl

BOARD OF COUNTY COMMISSIONERS

Phyllis Busanaky
Joe Chillura
Sylvia Kimbell
Lydia Miller
Jim Norman
Jan Platt
Ed Turanchik



Senior Assistant County Administrator
Patricia Bean

Assistant County Administrators
Edwin Hunzeker
Cretta Johnson (Interim Appointment)
Jimmie Keel
Robert Taylor (Interim Appointment)

February 10, 1994

D.E.P.

FEB 14 1994

SOUTHWEST DISTRICT
TAMPA

Mr. Robert Butera
Department of Environmental Protection
3806 Coconut Palm Drive
Tampa, Florida 33619-8318

RE: Permitting Hillsborough County Collection Centers

Dear Mr. Butera:

Over the past few months, the Hillsborough County Department of Solid Waste (DSW) has had a number of conversations with you and other Department of Environmental Protection (DEP) representatives relative to the need to permit, as transfer stations, the Hillsborough County Community Collection Centers (CCC). It has always been and continues to be the DSW's position that the CCC's are not transfer stations and, therefore, do not require permits.

As you are aware, Hillsborough County operates six (6) CCC's which are strategically located throughout the County. Each CCC is unique both in configuration and in the amount of solid waste received. The CCC's are available for utilization by Hillsborough County single family residential units only. These residential customers have the option to deliver their solid waste to a CCC or to subscribe to curbside collection service. No solid waste collectors or commercial customers are permitted to utilize the CCC's.

Most of the containers utilized at the CCC's for customer deliveries are roll-off containers. However, two (2) of the CCC's utilize a single semi-tractor trailer to accept customer deliveries. Three (3) of the CCC's have ramps which allow customers to discharge their solid waste into the top of the collection containers. The remaining CCC's have the containers placed on the ground which require that customers walk the solid waste into the open end of the roll-off container.

Mr. Robert Butera
February 10, 1994
Page 2

Customers are required to separate the solid waste into three classes including processable solid waste which is delivered to the County's waste to energy facility, non-processable solid waste which is delivered to the County landfill and recyclables, including white goods and metals. Two (2) of the CCC's also provide for the receipt of recyclables including plastic, aluminum cans, glass and newspaper.

It is the DSW's position that the CCC's are the Hillsborough County equivalent of a green box system and, therefore, fall outside of the DEP 17-701.200(81) definition of a "transfer station". However, it should be emphasized that the Hillsborough County CCC system provides a much higher level of environmental sensitivity than almost all of the green boxes which are located throughout the State of Florida. Each one of the CCC's is manned full time, when operational, by an attendant whose responsibility it is to ensure that the solid waste is properly separated and, more importantly from an environmental perspective, to ensure that hazardous materials are not introduced into the Hillsborough County Solid Waste Management System. In addition, each container is removed for disposition as soon as it is full.

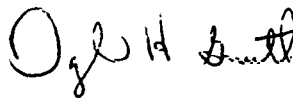
It is interesting to note that, approximately four (4) years ago, the DSW experimented with a unmanned green box system. This brief experiment revealed that as much, if not more, commercial solid waste was delivered to the green boxes when compared to residential solid waste delivered to the green boxes. In addition, on almost a daily basis, the green boxes overflowed resulting in solid waste and, in some cases, hazardous waste being placed directly on the ground. Unmanned green boxes can be used by anyone, represent a high potential for the introduction of hazardous waste into the waste stream and also represent a high potential for surface and ground water contamination. Since this type of situation does not exist at the County CCC's, the CCC's represent virtually no environmental risk.

Mr. Robert Butera
February 10, 1994
Page 3

Since it is the DSW's position that the CCC's fall into the category of green boxes and, therefore, are not required to be permitted as transfer stations, the DSW is seeking confirmation that the DEP agrees with the DSW position.

Should you have any questions concerning this matter, please feel free to contact me at (813) 276-2900.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl H. Smith". The signature is written in a cursive style with a large initial "D".

Daryl H. Smith
Director
Department of Solid Waste

DHS/bn

xc: Susan Allan, Assistant County Attorney

ccc'sdep



Lawton Chiles
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

SITE INSPECTION REPORT

NAME OF SITE: CITRUS LANDFILL DATE: 2/21/97
SITE ADDRESS/LOCATION: SR 44
CITY: LELAND PERMIT #: _____

REASON FOR VISIT:

- COMPLIANCE INSPECTION ☒
- PERMITTING INSPECTION ☒
- COMPLAINT INVESTIGATION ☐

PERSONS PRESENT: S. METCALF, J. WOODS, K. L. HEND
FR - NEW CONST DAVID CHARBON
SUMMARY REPORT: SILVER FERN -

- ① OBSERVED NEW LF CONST
CT REQUESTED DETAIL OF PROPOSED LINE
CONSTRUCTION EAST SIDE SLOPE & LINE REPAIR
SAME LOCATION - CLAY BASE TO BOTTOM 2/28
- ② OBSERVED OPERATION
TOP SLOPES TO NORTH AND SOUTH (OPPOSITE DIRECTION
OF APPROVED SEC. OFFILL DRAWINGS),
GUTTER ON SOUTH NOT INSTALLED
STORMWATER DITCH ON NORTH NOT COMPLETED OR
CONSTRUCTED AS SHOWN ON DRAWINGS.

VIOLATIONS NOTED: I ASKED S. METCALF & J. WOODS
TO RESOLVE SEC. OFFILL ISSUE WITHIN 2 WKS AFTER
BY TEMP. DIVERSION OR PERMIT MODIFICATION.

DEP REPRESENTATIVE: _____



Citrus op.
permit file

Board of County Commissioners

Department of Public Works

February 10, 1997

Mr. Bill Korn
Manager
Withlacoochee Forestry Center
Division of Forestry
15019 Broad Street
Brooksville, FL 34601

**RE: COMPLIANCE OF 62-500 (3) (e) F.A.C. - ZONE OF DISCHARGE
- CITRUS COUNTY CENTRAL LANDFILL - PERMIT #SO09-274381**

Dear Mr. Korn:

In compliance with Specific Condition 30. c. of the above permit, please find copy of the Affidavit and Attachment A., which has been recorded in O.R. Book 1169, pages 0399 and 0440 of the Public Records of Citrus County, Florida, for your records.

If further information or clarification is needed, please do not hesitate to contact this office.

Sincerely,

Susan Metcalfe
Director, Division of
Solid Waste Management

SM:CJW:cjw

CC: Kenneth Saunders, Acting Director, Dept. Public Works
Original to Allison Amram, DEP - Tampa
Cathy Winter, Solid Waste Tech. II

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Aquatics

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-9189

Engineering

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Road Maintenance

Post Office Box 167
Lecanto, FL 34460
(352) 746-4107
Fax 746-1203

**Solid Waste
Management**

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000
Fax 527-1204

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676



Board of County Commissioners

Department of Public Works

February 10, 1997

Ms. Allison Amram
Environmental Specialist III
Dept. of Environmental Regulation
Waste Management Section
3804 Coconut Palm Drive
Tampa, FL 33619-8318

**RE: COMPLIANCE OF 62-500 (3) (e) F.A.C. - ZONE OF DISCHARGE
- CITRUS COUNTY CENTRAL LANDFILL - PERMIT #SO09-274381**

Dear Ms. Amram:

In compliance with Specific Condition 30. c., please find certified copy of the Affidavit and Attachment A., which has been recorded in O.R. Book 1169, pages 0399 and 0440 of the Public Records of Citrus County, Florida. (Hard copies mailed this date.)

If further information or clarification is needed, please do not hesitate to contact this office.

Sincerely,

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

Susan Metcalfe
Director, Division of
Solid Waste Management

SM:CJW:cjw

CC: Kenneth Saunders, Acting Director, Dept. Public Works
Cathy Winter, Solid Waste Tech. II

Administrative Office

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Fax 746-3368

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(352) 746-6000
Fax 527-1204

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 740-2694
Fax 746-1676

BK 1169PG0399

AFFIDAVIT**STATE OF FLORIDA
COUNTY OF CITRUS**

BEFORE ME personally appeared Susan J. Metcalfe, who after being duly sworn according to law, deposes and states:

1. Whereas the Board of County Commissioners of Citrus County was issued a permit (SO09-274381) by the Florida Department of Environmental Protection on October 28, 1996 for operation of a landfill and

2. Whereas Specific Condition 30 of referenced permit requires the permittee to record the dimensions of a zone of discharge to groundwater on the property record of the adjacent land according to requirements of Rule 62-522.500 (3) (e) F.A.C. and

3. Whereas the dimensions of the zone of discharge are described in Attachment A and

4. Whereas the affected parcel is a portion of the Withlacoochee State Forest adjacent to the landfill in Section 1, Township 19 South, Range 18 East.

5. Therefore this document is attached to the property record of the affected parcel as notification to current and future owners of the extent of the zone of discharge to groundwater from the permitted facility.

Dated this 31st day of January 1997.

Further Affiant sayeth not.

Susan J. Metcalfe
Susan J. Metcalfe, Director
Citrus County Division of Solid Waste
Management
Department of Public Works
Post Office Box 340
Lecanto, FL 34460-0340
(352) 746-5000

FILED & RECORDED
CITRUS COUNTY, FLORIDA
BETTY STRIFLER, CLERK

97 FEB 4 PM 3 34

VERIFIED BY: D.C.

The foregoing Affidavit was acknowledged before me this 31st day of January, 1997, by Susan J. Metcalfe, who is personally known to me and who did take an oath.



CLAIRE M. SMITH
My Commission CC405012
Expires Sep. 10, 1998
Bonded by ANS
800-432-6878

Claire M. Smith

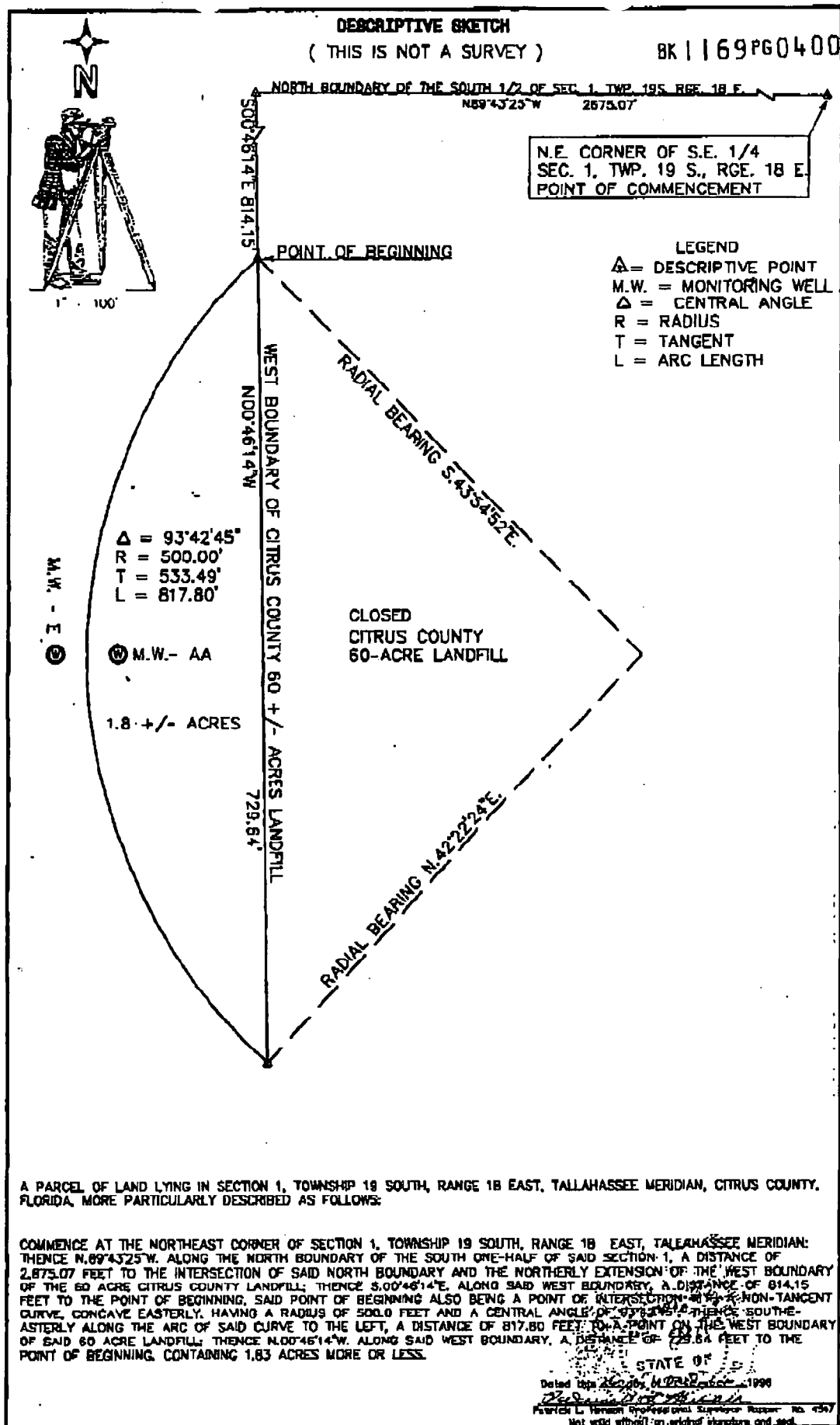
Notary Public - State of Florida

CERTIFIED TO BE A TRUE COPY

BETTY STRIFLER
CLERK OF COUNTY COURT

BY: [Signature] D.C.
This 4th day of Feb., A.D. 19 97

ATTACHMENT A





Board of County Commissioners

Department of Public Works

Citrus
SO Permit 616

RECEIVED
FEB 06 1997

REPLY TO:

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

January 31, 1997

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

AV
Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill
Permit No. SO09-274381
Zone of Discharge, SC 30

Dear Ms. Amram:

Specific Condition 30 of the referenced permit requires that the zone of discharge for the landfill be recorded on the adjacent property record. We do not yet have the certification from the Clerk. I am hereby requesting a one week extension of the January 31st deadline for submittal to your office of that information.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Acting Director, Public Works Department
Bob Butera, DEP, Tampa

Administrative Office

Post Office Box 440
Lecanto, FL 34460
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Fax 527-1204

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(352) 746-2694
Fax 746-1676

Citrus SO
permit file

EDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date:

2/5/97

Number of pages including cover sheet:

2

To:

Susie Metcalfe

Phone:

Fax phone:

352/527-1204

CC:

From:

Allison Amram
Solid Waste Section

Phone:

(813) 744-6100 x 336

Fax phone:

(813) 744-6125

REMARKS:

☐

Urgent

☐

For your review

☐

Reply ASAP

☐

Please comment



Board of County Commissioners

Department of Public Works

REPLY TO:

Solid Waste Management

P.O. Box 340

Lecanto, Florida 34460-0340

January 31, 1997

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Citrus County Central Landfill
Permit No. SO09-274381
Zone of Discharge, SC 30

Dear Ms. Amram:

Specific Condition 30 of the referenced permit requires that the zone of discharge for the landfill be recorded on the adjacent property record. We do not yet have the certification from the Clerk. I am hereby requesting a one week extension of the January 31st deadline for submittal to your office of that information.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Acting Director, Public Works Department
Bob Butera, DEP, Tampa

*Extension granted
until 2/10/97. Any
questions, please
call me at 813/744-
6100 x336.*

*Allison Amram
2/5/97*

Administrative Office

Post Office Box 440
Lecanto, FL 34460
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Utilities

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(352) 746-2694
Fax 746-1676

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

Feb 5 '97 16:24

| | |
|-------------------|-----------|
| ---> 813525271204 | |
| No. | 0004 |
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| Time | 1'16" |
| Pages | 2 Page(s) |
| Result | OK |

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

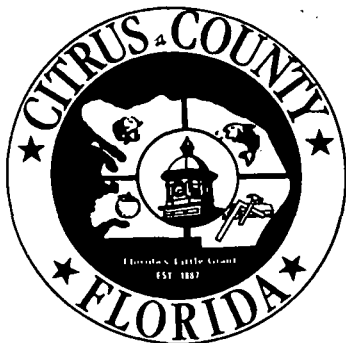
Date 2/3/97 Subject Citrus ZOD
Time 10:10 Permit No. _____
County _____
M. Susie Metcalfe Telephone No. _____
Representing Citrus
☒ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting

The County will be 1 week late recording the ZOD on the property deeds - she has faxed me a request for a one-week extension. I don't see that this will be a problem - I will fax back a reply so that she has it in writing.

(continue on another
sheet, if necessary)

Signature AAman
Title PG /



Board of County Commissioners

Department of Public Works

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

December 12, 1996

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

D.E.P.

DEC 13 1996

SOUTHWEST DISTRICT
TAMPA

Re: Citrus County Central Landfill
Permit No. SO09-274381
Liner repairs

Dear Mr. Ford:

During a recent telephone conversation you requested that Citrus County have liner repair locations referred to in my letters of October 24 and November 4 vacuum tested. Several of those location have subsequently been covered. We will agree to have any remaining exposed repairs tested at the time of liner installation and testing for Phase 1A construction.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Ken Saunders, Acting Director, Public Works Department
Bob Butera, DEP, Tampa
Clyde Walker, CH2M HILL, onsite

D.E.P.

DEC 13 1996

SOUTHWEST DISTRICT
TAMPA

Administrative Office
Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

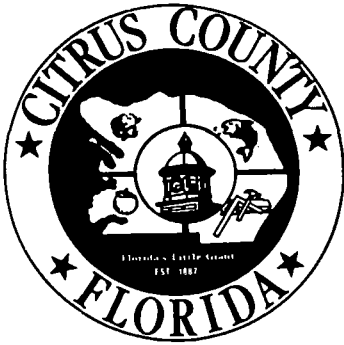
Aquatics
Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-3368

Engineering
Post Office Box 440
Lecanto, FL 34460
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Solid Waste Management
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(352) 746-5000
Fax 527-1204

Utilities
Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676



Board of County Commissioners

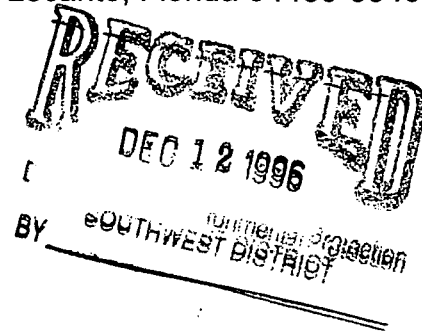
Department of Public Works

December 9, 1996

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

REPLY TO:

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



Re: All Citrus County Projects

Dear Mr. Ford:

This is to inform you of recent changes in Citrus County government organization. Mr. Tony Shoemaker is no longer the County Administrator; Mr. Gary Kuhl is now the Acting County Administrator. His address is 111 W. Main St., 3rd Floor, Inverness, Florida 34450; telephone 352-637-9810. Mr. Kenneth Saunders is now the Acting Public Works Director. His address is P.O. Box 440, Lecanto, Florida 34460; telephone 352-746-2694.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Bob Butera, DEP, Tampa
Allison Amram, DEP, Tampa

Administrative Office

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Lecanto, FL 34460
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**Solid Waste
Management**

Post Office Box 340
Lecanto, FL 34460
(352) 746-5000
Fax 527-1204

Utilities

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
Fax 746-1676



Board of County Commissioners

Executive Offices

111 West Main Street, Masonic Building, Third Floor
Inverness, Florida 34450

(352) 637-9810

FAX (352) 637-9803

COUNTY COMMISSIONERS

1996 - 1997

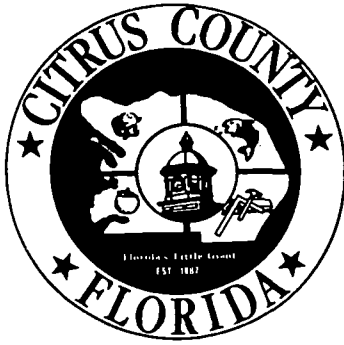
| <u>Commissioner</u> | <u>District</u> | <u>Expiration</u> |
|-----------------------------------|-----------------|-------------------|
| Jim Fowler, Chairman | 4 | 1998 |
| Gary Bartell, 1st Vice Chairman | 2 | 1998 |
| Vicki Phillips, 2nd Vice Chairman | 3 | 2000 |
| Roger O. Batchelor | 1 | 2000 |
| Brad Thorpe | 5 | 2000 |

Address

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

Phone Number

(352) 637-9810



Board of County Commissioners

Department of Public Works

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

October 29, 1996

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

D.E.P.

DEC - 3 1996
SOUTHWEST DISTRICT
TAMPA

Re: Citrus County Central Landfill
Permit No. SO09-187229
Landfill liner repairs

Dear Mr. Ford:

As we discussed, the recent liner repairs did not include vacuum testing of the welds. In the future, when liner repairs are made we will specify that testing is required as part of the repair service.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

Administrative Office

Post Office Box 440
Lecanto, FL 34460
(352) 746-2694
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Road Maintenance

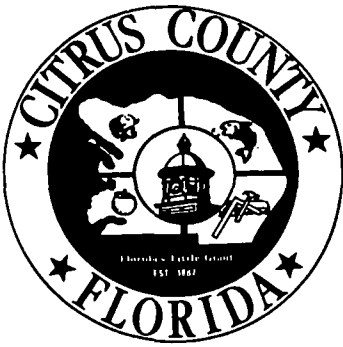
Post Office Box 167
Lecanto, FL 34460
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Fax 746-1203

**Solid Waste
Management**

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(352) 746-2694
Fax 746-1676



Board of County Commissioners

Department of Public Works

REPLY TO:

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

November 4, 1996

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/SO09-187229
Landfill liner

~~D.E.P.~~
~~SOUTHWEST DISTRICT~~
~~TAMPA~~
D.E.P.
NOV - 7 1996
SOUTHWEST DISTRICT
TAMPA

Dear Mr. Ford:

This is to follow up to my letter of October 29, 1996, reporting damage to the landfill liner. Cleaning of the liner top revealed other locations in addition to the one discovered on the 29th. All those repairs were completed on November 1 in the locations shown on the attached sketch. Several small punctures were sealed with extrudate only. Larger areas of damage were repaired with overall patches.

We have photographs of the repairs, photocopies are enclosed. A map showing the locations of these repairs is also attached.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

Administrative Office
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(352) 527-0333
Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(352) 746-6888
Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(352) 746-5000
Fax 527-1204



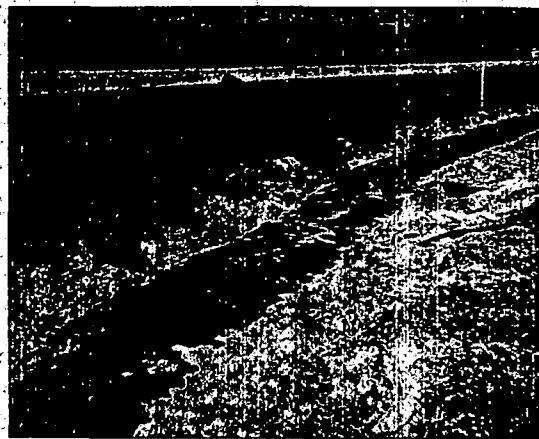
11-1-96 SW CORNER



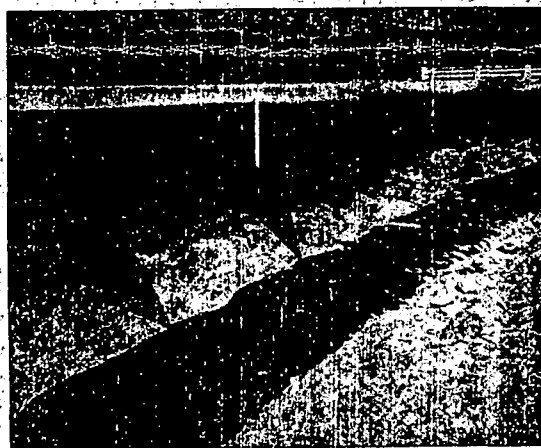
11-1-96 SW BOUNDARY



11-1-96 SW CORNER

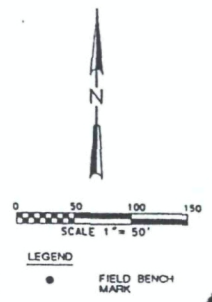
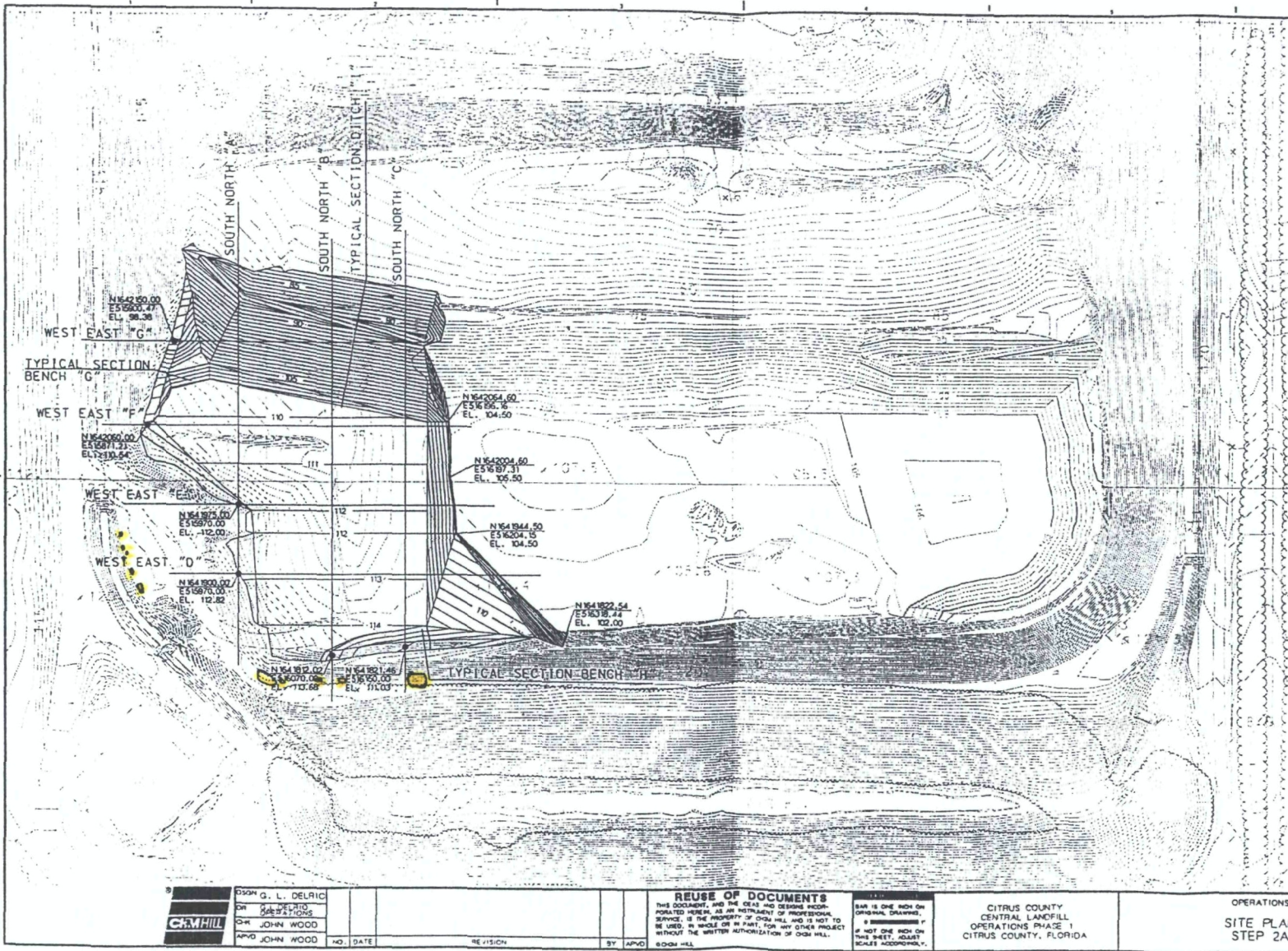


11-1-96 WEST BOUNDARY



11-1-96 WEST BOUNDARY

DRAWN BY: []
 CHECKED BY: []
 DATE: []
 PROJECT: []
 SHEET: []



JOHN G. L. DELPRIC
 CIVIL ENGINEER
 JOHN WOOD

| NO. | DATE | REVISION | BY | APPROVED |
|-----|------|----------|----|----------|
| | | | | |

REUSE OF DOCUMENTS
 THIS DOCUMENT, AND THE DATA AND DESIGN INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JOHN HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JOHN HILL.

THIS IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST READING ACCORDINGLY.

CITRUS COUNTY
 CENTRAL LANDFILL
 OPERATIONS PHASE 1
 CITRUS COUNTY, FLORIDA

OPERATIONS
 SITE PLAN
 STEP 2A

| | |
|---------|-------------|
| SHEET | 4 |
| DATE | OPS-1 |
| DATE | 6-18-96 |
| PROJECT | 04020 3A 01 |
| NO. | |

Repairs to 60-mil Liner on 11-1-96

APPROVED BY: []



SO permit file

Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

VIA FAX

November 5, 1996

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

Subject: Leachate Treatment Plant Discharge Evaluation
Permit No. SO09-274381, Citrus County

Dear Ms. Metcalfe:

The Solid Waste Section of the Florida Department of Environmental Protection (FDEP) has reviewed your October 10, 1996 letter requesting that treated leachate effluent be allowed to discharge to the site's percolation ponds. Attached to this letter were leachate testing results from July 11, 1996 through September 25, 1996. Analytical results for October 3 - 10, 1996 were received by facsimile on October 31, 1996. These results show a few exceedances in the treatment criteria listed in Specific Condition No. 33, but the analytical results show that these problems have been corrected, with the exception of treatment for fecal coliform and suspended solids. The leachate treatment system shall include a filtration and chlorination step prior to discharge of effluent to the percolation ponds. Previous discharges to the percolation ponds successfully utilized filtration and chlorination to treat these parameters to acceptable levels.

The FDEP **approves** discharge of treated leachate to the percolation ponds once the filtration and chlorination processes are functional. Discharge may continue unless adequate treatment is not obtained for two consecutive weeks, as described in Specific Condition No. 33a. The FDEP proposes to modify this condition in the next month to implement the following changes:

- Change the BOD maximum limit of 20 mg/l to a maximum monthly average of 20 mg/l;
- Provide the permittee with 3 weeks to correct any exceedance. This would be appropriate in the instance of equipment malfunction, or other problem with a known remedy that will bring the effluent limits back into compliance. If the cause

(documentation is in
LTP monitoring file)

Ms. Susan J. Metcalfe
November 5, 1996
Page 2

of unacceptable treatment is not known, or requires an involved solution, the 3 month testing regime would be required.

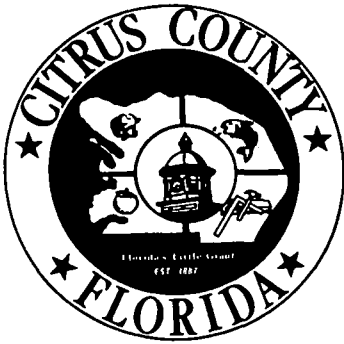
A draft of these proposed changes will be provided for your comments. If you have any questions, please contact me at 813/744-6100, ext. 336.

Sincerely,

A handwritten signature in cursive script, appearing to read "Allison Amram".

Allison Amram, P.G.
Solid Waste Section

cc: Gary Kuhl, Citrus County Department of Public Works, PO Box 176, Lecanto, FL 34460
Bob Butera, P.E., FDEP
Kim Ford, P.E., FDEP



Board of County Commissioners

Department of Public Works

REPLY TO:

Solid Waste Management

P.O. Box 340

Lecanto, Florida 34460-0340

NOV 01 1996
Environmental Protection
SOUTHWEST DISTRICT

October 29, 1996

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. SO09-187229
Landfill liner

Dear Mr. Ford:

On Friday, October 29, 1996 we discovered that in one location near the top of the liner near the southwest corner of Phase 1, we had not placed two feet of protective soil over the liner before the compactor drove over the area. As a consequence, several punctures were made in the pattern of the cleats. The area is above the level at which we are currently filling. Arrangements are being made to repair a section 10 feet by 30 feet to cover the entire affected area. We expect these repairs to be complete within a week. A completion report will be submitted including a sketch of the location of the patch.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

Administrative Office
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(352) 527-0333
Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(352) 746-6888
Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(352) 746-5000
Fax 527-1204

RB RB

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

Date:

10/3/96

Number of pages including cover sheet:

26

To:

SUSAN MITCALFE

Phone:

Fax phone: (352) 527-1204

CC:

From:

STEVE MORROW

Phone:

(813) 744-6100

Fax phone:

(813) 744-6125

REMARKS:

☐ Urgent

☒ For your review

☐ Reply ASAP

☐ Please comment

COPY OF OPERATIVE PERMIT

() ()

291-8061

904 921-8061



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

OCT 28 1996

NOTICE OF PERMIT

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

Dear Ms. Metcalfe:

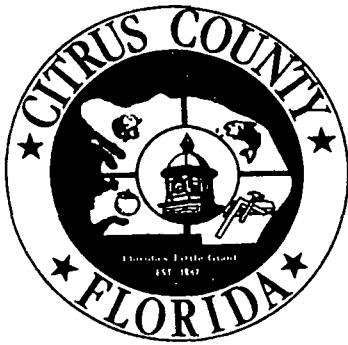
Enclosed is a Operation Permit Number **S009-274381**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

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

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

The agreement to mediate must include the following:

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



Board of County Commissioners
Department of Public Works

RECEIVED
OCT 30 1996
Department of Environmental Protection
BY SOUTHWEST DISTRICT

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

October 24, 1996

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. SO09-187229
Landfill liner

Dear Mr. Ford:

My September 30 letter indicated the need for liner repairs in several locations in the Phase 1 area of the site. Those repairs were completed on October 11, 1996. A sketch of the locations is attached. Along the south side of the fill area, five slits which were due to improper gutter removal procedures, were repaired with patches. Seven small punctures were also closed in that area. Along the east side, two patches were placed on holes, and repairs were made on two punctures resulting from leachate pipe anchor dislodging. Nine punctures in the northern cluster on the east side appear to have been made by flying debris; we suspect they were a product of the March 1993 storm winds. No known locations requiring liner repair remain.

Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe

Susan J. Metcalfe, P.G.
Director

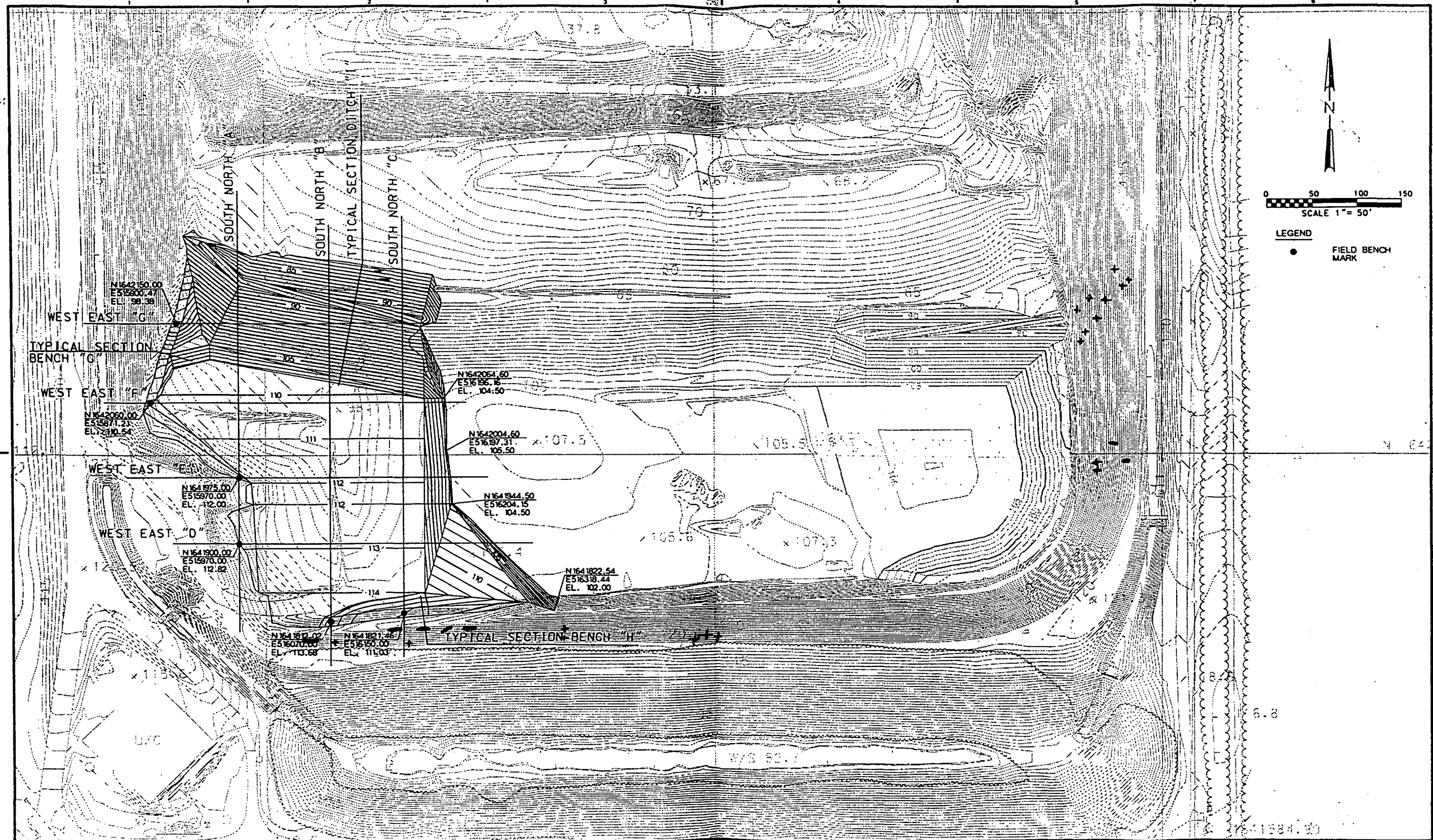
CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

*Discussed
5/16/96
WHY DEBRIS REMOVED? IS IT
DUE TO ELEVATION OF WASTE
DISPOSAL. WITH 15 DOWN THE
LINER REPAIRS? SHOULD HAVE
NOTES OF CONSTRUCTION AND A
SEQUENCE OF WORK REMAIN*

| | | | | |
|--|---|---|---|---|
| Administrative Office Post Office Box 167 Lecanto, Florida 34460 (352) 746-4107 Fax 746-1203 | Facilities Maintenance Post Office Box 143 Lecanto, Florida 34460 (352) 527-0333 Fax 527-0654 | Fleet Management Post Office Box 215 Lecanto, Florida 34460 (352) 746-6888 Fax 746-1203 | Road Maintenance Post Office Box 167 Lecanto, Florida 34460 (352) 746-4107 Fax 746-1203 | Solid Waste Management Post Office Box 340 Lecanto, Florida 34460 (352) 746-5000 Fax 527-1204 |
|--|---|---|---|---|

DATE: 10/18/96
 DRAWN BY: J. WOOD
 CHECKED BY: G. L. DELRIO

COMPOSITE
 OVERLAY
 SCREEN
 FILE



DESIGN G. L. DELRIO
 OR G. L. DELRIO
 OPERATIONS
 JOHN WOOD
 JOHN WOOD

| NO. | DATE | REVISION | BY | APPROVED |
|-----|------|----------|----|----------|
| | | | | |

CH2M HILL

BAR IS ONE INCH ON ORIGINAL DRAWING.
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITRUS COUNTY
 CENTRAL LANDFILL
 OPERATIONS PHASE 1
 CITRUS COUNTY, FLORIDA

OPERATIONS
 SITE PLAN
 STEP 2A

SHEET 4
 OWG OPS-1
 DATE 6-18-96
 PROJ. NO. 04022.34.01

60 mil Liner Repair October 1996

• Patch Tear
 + Repair Puncture

PRELIMINARY



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

October 30, 1996

Ms. Susan Metcalfe, P.G.
Director, Division of Solid Waste
Management, Citrus County
P.O. Box 340
Lecanto, Florida 34460

Subject: Field Filtering of Groundwater Approval for the Citrus County Central Landfill
Permit No. SO09-274381

Dear Ms. Metcalfe:

The Solid Waste Section of the Florida Department of Environmental Protection (FDEP) has reviewed your October 21, 1996 letter that contained the remaining requirements to demonstrate that field filtration of groundwater samples is appropriate at the site. Field filtration of groundwater samples from the site's monitoring wells is **APPROVED**.

Filtration must be done in accordance with the FDEP's January 1994 technical document Determining Representative Ground Water Samples, Filtered or Unfiltered. Filtering is appropriate for metals and radionuclide samples when the unfiltered turbidity is more than 5 NTUs for samples from unconsolidated aquifers. Filtering must be conducted in the field prior to sample preservation with in in-line molded and disposable 1.0 micron filter unit. Groundwater reports must record the unfiltered turbidity for the sample, and state the filter size.

If you have any questions, please contact me at 813/744-6100, ext. 336.

Sincerely,

Allison Amram, P.G.
Solid Waste Section

cc: Gary Kuhl, Citrus County Director of Public Works, P.O. Box 167, Lecanto, FL 34460
Kim Ford, P.E., FDEP
Bob Butera, P.E., FDEP

APPLICATION TRACKING SYSTEM

11/06/96

APPL NO:274381

APPL RECVD:07/17/95 TYPE CODE:SO SUBCODE:01

LAST UPDATE:10/28/96

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:09/26/96

DER PROCESSOR:FORD

APPL STATUS:IS DATE:10/28/96 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:09

(Y/N) N OGC HEARING REQUESTED

LAT/LONG:28.51.08/82.26.38

(Y/N) N PUBLIC NOTICE REQD?

BASIN-SEGMENT:___

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

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? _ (1/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:CITRUS CO. CENTRAL LANDFILL (RENEW)

STREET:S

CITY:NA

STATE:FL

ZIP:_____

PHONE:_____

APPLICATION NAME:CITRUS CO BD OF CO COMM

STREET:PO BOX 340

CITY:LECANTO

STATE:FL

ZIP:34460

PHONE:904-746-5000

AGENT NAME:CH2M HILL

STREET:PO BOX 21647

CITY:TAMPA

STATE:FL

ZIP:33622

PHONE:813-281-0777

FEE #1 DATE PAID:07/17/95

AMOUNT PAID:10000

RECEIPT NUMBER:00040718

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - - - / / / / /
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - / / / / /
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. - - - - - / / / / /
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - 08/15/95--10/27/95
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - 11/20/95--12/22/95
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - 01/17/96--03/01/96
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - 03/27/96--09/26/96
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - - / / / / /
F DATE LAST 45 DAY LETTER WAS SENT - - - - - / / / / /
G DATE FIELD REPORT WAS REQ--REC - - - - - / / / / /
H DATE DNR REVIEW WAS COMPLETED - - - - - / / / / /
I DATE APPLICATION WAS COMPLETE - - - - - 09/26/96
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - - - - / / / / /
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - - / / / / /
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - / / / / /
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - - - - / / / / /
N WAIVER DATE BEGIN--END (DAY 90) - - - - - / / / / /

COMMENTS:

AREA: SWD

Cash Receiving Application
Collection Point Eog Remittance

CRAF006A
Tot: \$10,000.00

SY\$REMT: 57769 Type: CP Recvd Date: 17-JUL-1995 Status: RECEIVED
SY\$RCPT: 40718 PNR: Check #: 072655 Amount: 10,000.00
SSN/FEI#: Name: CITRUS COUNTY/STATE OF FLORIDA
First: Middle: Title: Suf:
Address1: P.O. BOX 167 Short Comments:
Address2: L-CITRUS CO CETRL LANDFLL
City: LECANTO ST: FL Zip: 34460- Country:

P A Y M E N T (S)

| Distr | CL | Object | Payment | Reference# | Applic/ | S |
|----------|--------|------------------------|-------------|------------|---------|----|
| | | Code/Description..... | Amount..... | | Fund | T |
| SY\$PAYT | Area.. | | | | | A |
| 59516 | SWD | 002245 SOLID WASTE-OPE | \$10,000.00 | SO09274381 | PFTF | CO |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

COMMIT FREQUENTLY \$10,000.00 Payment total

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

Count: *1

<Replace>

COUNTY OF CITRUS
INVERNESS, FLORIDA

No. 072655

| DEPARTMENT | ACCOUNT | PUR. ORDER | INVOICE NUMBER | AMOUNT | DESCRIPTION |
|------------|---------|------------|----------------|-----------|------------------------|
| 5212 | 54912 | | PERMIT FEE | 10,000.00 | LANDFILL OP PERMIT FEE |

PLEASE DETACH
BEFORE DEPOSITING

VOID IN 60 DAYS

SUN BANK & TRUST COMPANY
INVERNESS, FLORIDA

COUNTY OF CITRUS
INVERNESS, FLORIDA

No. 072655

$$\frac{63-1.15}{631}$$

DATE **07/11/95**

PAY Ten thousand dollars and XX/100 cents

AMOUNT \$10,000.00

3270.1

TO THE
ORDER
OF

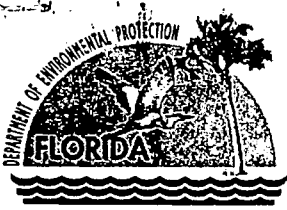
FLORIDA DEPT OF ENVIRONMENTAL PRO
3804 COCONUT PALM DRIVE
TAMPA FL
33619-8318

CITRUS COUNTY ACCOUNTS PAYABLE

Vicki Bullock
CHAIRMAN BOARD OF COUNTY COMMISSIONERS
Ray B. Brown

CLERK AND AUDITOR

CK NO. 072655



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

OCT 28 1996

NOTICE OF PERMIT

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

Dear Ms. Metcalfe:

Enclosed is a Operation Permit Number **SO09-274381**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

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

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

The agreement to mediate must include the following:

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

OCT 28 1996

Page Two

(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, 2600 Blair Stone Road, Tallahassee, 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 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.

Citrus County BCC
Ms. Susan Metcalfe
Permit No.: SO09-274381


OCT 28 1996

Page Three

When the Order (Permit) is final, any party to the Department has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

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: Gary Kuhl, P.E., Citrus County
Gary Panozzo, P.E., CH2M Hill
Bill Korn, Division of Forestry
Kathy Anderson, FDEP Tallahassee
Robert Butera, P.E., FDEP Tampa
Danielle Nichols, 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 28 1996 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 28 1996
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 a Department 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 Office 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: SO09-274381
Date of Issue: OCT 28 1996
Expiration Date: 10/25/2001
County: Citrus
Lat/Long: 28°51'08"N
82°26'38"W
Sec/Town/Rge: 1/19S/21E
Project: Citrus County Central
Class I Landfill

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

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

1. Class I Landfill Disposal Facility

Replaces Permit No.: SO09-187229 and SC09-272928

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

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

GENERAL CONDITIONS:

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

- (a) Have access to and copy any records that must be kept under conditions of the permit;
- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

GENERAL CONDITIONS:

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

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

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

13. This permit also constitutes:

- (a) Determination of Best Available Control Technology (BACT)
- (b) Determination of Prevention of Significant Deterioration (PSD)
- (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- (d) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

GENERAL CONDITIONS:

(c) Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

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

SPECIFIC CONDITIONS:

1. **Landfill Designation.** This site shall be classified as a Class I landfill and shall be operated in accordance with all applicable requirements of Chapters 62-4, 62-330, 62-520, 62-522, 62-701 and 62-703, Florida Administrative Code (F.A.C.) and all applicable requirements of Department rules.

2. **Permit Application Documentation.** This permit is valid for operation of Phase 1 of the Class I landfill and related facilities in accordance with the reports, plans and other information as follows:

- Groundwater Monitoring Plan by Hydro Q dated April 1995 received July 3, 1995, and revised pages received September 19, 1995;
- October 20, 1995 Operation Permit Application and supporting information by CH2M Hill received October 27, 1995;
- October 1996 Operations Plan by CH2M Hill received September 26, 1996 (and October 22, 1996 for Appendix B - Phase 1 Filling Plans and Appendix G - Gas Monitoring Program);
- and in accordance with all applicable requirements of Department rules.

3. **Permit Modifications.** This permit does not authorize Phase 1A operation or operation of the temporary transfer station. Any activities not previously approved as part of this permit may require a separate Department permit unless the Department determines a permit modification to be more appropriate. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification which is reasonably expected to lead to substantially different environmental impacts which require a detailed review by the Department is considered a substantial modification.

a. Upon receipt and approval of a request for a minor permit modification pursuant to F.A.C. 62-4.050(4)(q) to operate Phase 1A, including Certification of Construction Completion for Phase 1A and related supporting documents identified in the construction permit, and detailed drawings for the sequence of filling for Phase 1A, this permit may be modified to allow Phase 1A operation.

b. The proposed transfer station will require a minor permit modification approved by FDEP prior to construction and operation. The construction and operation will be required to be substantially in accordance with FDEP letter dated January 13, 1995 to Mr. Gary Kuhl, P.E., Director of Public Works.

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

SPECIFIC CONDITIONS:

5. **Prohibitions.** The prohibitions of F.A.C. 62-701.300 shall not be violated by the activities at this facility.

6. **Special Wastes.** The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. 62-701.300(8), 62-701.520 and any other applicable Department rules, to protect the public safety, health and welfare.

- a. White goods and scrap metal that are held for the purposes of recycling shall be held no longer than one hundred and eighty (180) days, and shall be stored in a manner so as to prevent the discharge of CFCs and other residuals which may cause air or groundwater pollution. Surface water shall be diverted away from all storage or holding areas.
- b. All solid wastes, recovered materials or residues handled at the site shall be stored in a manner so as not to constitute a fire or safety hazard or a sanitary nuisance, and shall comply with all applicable local or state regulations. Recovered resources which may be offered for sale shall comply with applicable regulations of all appropriate state agencies.
- c. Yard trash accepted at the site shall be processed and recycled, or disposed of within twelve months.
- d. The operation of the citizen waste drop-off facility shall comply with the following procedures:
 - (1) Only residential customers shall use the facilities, that is, no solid waste collectors or commercial haulers will be allowed usage;
 - (2) An attendant shall be on duty when the facility is operating. Operating hours shall be posted, and fencing and gates shall be used to prevent unauthorized access when the facility is closed;
 - (3) Only roll-off containers and/or dumpsters shall be utilized for waste disposal. No compactors of any type shall be used; and
 - (4) All processable and non-processable solid waste, with the exception of recyclables, shall be removed from the site at least daily or when a container is full. At the close of business each day when no additional waste will be received all processable and non-processable waste shall be covered with a waterproof tarp until the facility is again receiving solid waste.
 - (5) The Citizen Drop-off area shall be inspected for unauthorized materials and household hazardous waste collection/storage facility at least daily.

SPECIFIC CONDITIONS:

- e. The household hazardous waste collection/storage ("HHW C/S") facility shall be operated in accordance with the October 1996 Operations Plan, Appendix N, by CH2M Hill and as follows:
- (1) HHW received at the Citizen Drop-off area shall be identified, and then relocated for storage within the containment area of the HHW Collection/Storage Facility at the end of each collection day.
 - (2) Spillage shall be removed and properly packaged for disposal. Soils which have been contaminated by spills shall be removed and packaged for proper disposal on the same day as the spill occurred.
 - (3) Liquids, including contaminated rainwater, shall not be discharged outside of the containment structures.
 - (4) Non-latex paints shall not be air dried.
 - (5) Waste received at the HHW C/S Facility shall be stored within containment areas at all times.
 - (6) Records on the quantities of HHW collected and removed for disposal shall be compiled monthly and maintained at the facility for Department review upon request.
- f. The Used Oil Collection Center shall comply with FAC Chapter 62-710 and 40 Code of Federal Regulations (CFR) 280 and 281, and all applicable requirements of Department rules. Discharges are not allowed and are subject to FAC Chapter 62-770 for cleanup.

7. **Landfill Operation Requirements.** The permittee shall operate this facility in accordance with F.A.C. 62-701.500, Landfill Operation Requirements, and the October 1996 Operations Plan by CH2M Hill.

8. **Operating Personnel.** As required by F.A.C. 62-701.500(1), at least one operator, trained in accordance with F.A.C. 62-703, shall be at the landfill at all times when the landfill receives waste.

9. **Operation Plan and Operating Record.** Each landfill owner or operator shall have an operational plan which meets the requirements of F.A.C. 62-701.500(2). A copy of the Department approved permit, operational plan, construction reports and record drawings, and supporting information shall be kept at the facility at all times for reference and inspections. An operating record as required by F.A.C. 62-701.500(3) is part of the operations plan, and shall also be maintained at the site.

SPECIFIC CONDITIONS:

10. **Method and Sequence of Filling.** The method and sequence of filling shall be in accordance with the October 1996 Operations Plan, Section 2 and Appendix B, by CH2M Hill.

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

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

13. **Monitoring of Waste.** Wastes shall be monitored as required by F.A.C. 62-701.500(6), including a load checking program and associated activities.

a. The permittee shall not knowingly accept hazardous waste or any hazardous substance for disposal at this site. Hazardous waste is a waste identified in Chapter 62-730, F.A.C. Hazardous substances are those defined in Section 403.703, Florida Statute or in any other applicable state or federal law or administrative rule. Sludges or other wastes which may be hazardous should be disposed of in accordance with F.A.C. 62-701.300(4) and 62-701.500(6)(b).

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

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

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

b. Alternate initial cover materials shall be approved by the Department prior to use at the facility. For those areas where solid waste will be deposited on the working face within 18 hours, initial cover may consist of a temporary cover or tarpaulin. Waste tires that have been cut into sufficiently small parts, which means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less, and applied in a six (6) inch compacted layer, may be used as initial cover within the bermed working area.

SPECIFIC CONDITIONS:

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

15. **Working Face.** As required by F.A.C. 62-701.500(7)(d), the permittee shall minimize the size of the working face to minimize leachate, and unnecessary use of cover material. The permittee shall maintain the working face of a cell only wide enough to efficiently accommodate the maximum quantity of vehicles discharging waste simultaneously and to minimize the exposed area. **Interceptor berms** shall be maintained around the active working area to prevent leachate runoff from the working face from entering the stormwater management system. Runoff from outside the bermed working face area will be considered stormwater only if the flow passes over areas which have no exposed waste.

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

17. **Leachate Management.** Leachate shall be managed in accordance with the requirements of F.A.C. 62-701.500(8) and the October 1996 Operations Plan, Section 8 and Appendix O, by CH2M Hill.

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

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

c. Leachate generation reports shall be compiled monthly and submitted to the Department as requested. Leachate generation reports shall include the number of open, intermediate and closed acres, and the quantities of leachate collected, recirculated, treated and disposed on-site, and hauled/piped off-site to a wastewater treatment facility, and daily precipitation amounts greater than one tenth of an inch.

d. One hundred and eighty (180) days prior to permit expiration, the entire leachate collection and removal system, force mains and gravity pipelines, shall be video inspected and pressure tested where possible to verify adequate performance. Components not performing adequately shall be cleaned and/or repaired. The results of the inspection and testing shall be submitted to the Solid Waste Section of the Southwest District Office to demonstrate adequate performance prior to permit renewal.

SPECIFIC CONDITIONS:

18. **Gas Monitoring.** Landfill gas shall be monitored as required by F.A.C. 62-701.500(9), 62-701.400(10), and the October 1996 Operations Plan, Appendix G, by CH2M Hill. The results of quarterly monitoring shall be submitted by **January 15th, April 15th, July 15th and October 15th** each year. Gas probes GS-1S and GS-1E shall be installed and sampled, and the construction details and sampling results submitted by **February 15, 1997**.

19. **Gas Monitoring Locations.** The following gas monitoring locations shall be sampled **quarterly** for the Lower Explosive Limit (LEL) of methane, as described in F.A.C. Rule 62-701.400(10)(c).

| <u>Monitoring Point</u> | <u>Locations:</u> |
|-------------------------|-------------------------------|
| Active Landfill | GS-1S and GS-1E, see Figure 1 |
| Closed 60-acre Landfill | See Figure 1 (attached) |
| Scalehouse | See Figure 3 (attached) |

20. **Gas Remediation.** In the event that the Lower Explosive Limit (LEL) is greater than 25% inside structures both on or off of the landfill site, or greater than 100% at the property boundary, the owner shall submit to the Department, **within 7 days of detection**, a remediation plan detailing the nature and extent of the problem and the proposed remedy. The remedy shall be completed **within 60 days of detection** unless otherwise approved by the Department.

21. **Stormwater System Management.** Stormwater shall be managed as required by F.A.C. 62-701.500(10) to meet applicable standards of F.A.C. 62-302 and 62-330. The system shall minimize stormwater from entering waste filled areas and avoid the mixing of stormwater with leachate. All stormwater conveyances shall be inspected at least weekly to verify adequate performance. Conveyances not performing adequately shall be repaired within three (3) working days. Documentation of all inspections and repairs shall be kept on file at the facility.

22. **Recordkeeping.** Records shall be maintained as required by F.A.C. 62-701.500(13).

23. **Waste Burning.** Open burning of solid waste is prohibited except in accordance with F.A.C. 62-701.520(2). Controlled burning of solid waste is prohibited at this site except for clean vegetative and wood wastes which may be burned in a permitted air curtain incinerator in accordance with F.A.C. 62-296.401(6). Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Protection.

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

SPECIFIC CONDITIONS:

25. **Financial Assurance.** The permittee shall provide financial assurance for this landfill site in accordance with F.A.C. 62-701.630. All costs for closure and long-term care shall be adjusted and submitted **annually, by September 1 each year**, to: Solid Waste Manager, Solid Waste Section, Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318. Proof that the financial assurance has been funded adequately shall be submitted **annually** to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

26. **Control of Nuisance Conditions.** The operating authority shall be responsible for the control of odors and fugitive particulates arising from this operation. 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.

27. **Liner Location.** The top edge of the geomembrane liner shall be clearly flagged in as many locations as required to prevent waste disposal and leachate runoff outside the geomembrane liner. The flagging or staking markers shall be maintained at all times.

28. **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, repair and maintenance of leachate collection and removal systems, and maintenance of the leachate storage and treatment facilities. In the event of damage to any portion of the landfill site facilities or failure of any part of the landfill systems, 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.

29. **Water Quality Monitoring Quality Assurance.**

a. All field and laboratory work done in connection with the facility's Water Quality Monitoring Plan shall be conducted by a firm possessing a Comprehensive Quality Assurance Plan approved by the Department to meet the requirements of F.A.C. 62-160. The Quality Assurance Plan must specifically address the types of sampling and analytical work that is required by the permit. The Quality Assurance Plan shall be required of all persons performing sampling or analysis, and shall be followed by all persons collecting or analyzing samples related to this permit. Documentation of an approved QAP shall be submitted **annually** to the Department with the groundwater sampling report due **January 15th**. Documentation shall include the completed signature page and the Table of Contents of the approved plan.

SPECIFIC CONDITIONS:

b. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with methods approved by the Department in accordance with F.A.C. 62-4.246 and 62-160. Approved methods published by the Department or as published in Standard Methods, A.S.T.M., or EPA methods shall be used.

30. Zone of Discharge.

a. The zone of discharge for the site landfills and the percolation ponds for treated leachate shall extend horizontally as shown on the figure labelled "Specific Condition 30, Zone of Discharge" (attached), prepared by Citrus County shall extend vertically to the bottom of the first occurring aquifer.

b. The permittee shall ensure that the water quality standards and minimum criteria for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to F.A.C. 62-520.420.

c. The permittee must record the dimensions of the zone of discharge on the property record of the adjacent land as required by F.A.C. Rule 62-522.500(3)(e). Documentation from the County Clerk of this addition to the property record must be submitted to the FDEP Solid Waste Section, 3804 Coconut Palm Drive, Tampa, Florida, by January 31, 1997.

31. Leachate Sampling. Leachate shall be sampled from the leachate holding tank until the master lift station is installed, at which time leachate shall be sampled from the master lift station. Leachate shall be analyzed every 6 months for the following monitoring parameters:

Field parameters

Specific Conductivity
pH
Dissolved oxygen
Colors, sheens
(by observation)

Laboratory parameters

Total Ammonia - N
Bicarbonate
Chlorides
Iron
Mercury
Nitrate
Sodium
Total Dissolved Solids (TDS)
Those parameters listed in
40 CFR Part 258, Appendix I

In addition, leachate shall be sampled and analyzed annually for the parameters listed in 40 CFR part 258, Appendix II. If this annual analysis indicates that a contaminant listed in 40 CFR 261.24 exceeds the regulatory level listed therein, the permittee shall initiate a monthly sampling and analysis program. If in any three consecutive months the same listed contaminant exceeds the regulatory level, the permittee shall, within 90 days, initiate a program designed to identify the source and reduce the presence of the contaminant in the leachate so that it no longer exceeds the regulatory level. This program may include additional monitoring of waste received and additional up-front separation of waste materials. Any leachate which

SPECIFIC CONDITIONS:

is not recirculated or taken to a permitted industrial or domestic wastewater treatment facility shall be treated or managed so that no contaminant exceeds the regulatory level. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule.

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

33. **Leachate Treatment Plant Testing.** Prior to on-site discharge into the percolation ponds, the permittee shall demonstrate 3 consecutive months of acceptable leachate treatment based on the results from the following daily and weekly sampling, submit the sampling results and obtain Department for approval prior to discharge. The effluent shall be tested once during the 3 month demonstration period for the parameters listed in Appendix II, 40 CFR Part 258. These test parameters shall meet the Florida Groundwater Standards and minimum criteria listed in F.A.C. 62-520.400 and 62-520.420 with the exception of sodium, chloride and total dissolved solids (TDS). These parameters shall meet the standards listed in FAC 62-520.420 at the edge of the zone of discharge (as described in Specific Condition #30).

a. The following effluent testing schedule shall be conducted. Results shall be submitted quarterly. The 1st quarter of a year shall be submitted by **April 15th**, the 2nd quarter by **July 15th**, the 3rd quarter by **October 15th** and 4th quarter by **January 15th**.

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

SPECIFIC CONDITIONS:

| Parameter | Unit | Minimum | Maximum | Frequency |
|--------------------------|------|---------|---------|-----------|
| Silver | mg/l | N/A | N/A | Quarterly |
| Total THMs | mg/l | N/A | N/A | Quarterly |
| Benzene | mg/l | N/A | N/A | Quarterly |
| Toluene | mg/l | N/A | N/A | Quarterly |
| Ethylbenzene | mg/l | N/A | N/A | Quarterly |
| Total Xylenes | mg/l | N/A | N/A | Quarterly |
| Ethylene dibromide (EDB) | mg/l | N/A | N/A | Quarterly |

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

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

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

Toxic Characteristic Leaching Potential Test (TCLP) for
organics, metals and pesticides
pH (standard units)
Solids (percent)

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

34. **Groundwater Monitoring Well Locations.** The Groundwater Monitoring System is designed and constructed in accordance with the "Groundwater Monitoring Plan for the 80-acre Landfill Expansion, Citrus County Central Landfill", report dated April 1995 and revised September 19, 1995 prepared by Hydro Q. The groundwater monitoring wells are located as per Figure 48 of this report:

| <u>Well Number</u> | <u>Aquifer</u> | <u>Location</u> |
|--------------------|-------------------------|---------------------|
| MW-1(R) | Floridan (background) | Figure 48, attached |
| MW-2 | Floridan (background) | Figure 48, attached |
| MW-3 | Floridan (background) | Figure 48, attached |
| MW-B | Floridan (detection) | Figure 48, attached |
| MW-4 | Floridan (intermediate) | Figure 48, attached |
| MW-5 | Floridan (intermediate) | Figure 48, attached |
| MW-6 | Floridan (intermediate) | Figure 48, attached |
| MW-AA | Floridan (detection) | Figure 48, attached |
| MW-C | Floridan (detection) | Figure 48, attached |
| MW-D | Floridan (detection) | Figure 48, attached |
| MW-E | Floridan (compliance) | Figure 48, attached |
| MW-7* | Floridan (background) | Figure 48, attached |

SPECIFIC CONDITIONS:

| <u>Well Number</u> | <u>Aquifer</u> | <u>Location</u> |
|--------------------|----------------------|---------------------|
| MW-8* | Floridan (detection) | Figure 48, attached |
| MW-9* | Floridan (detection) | Figure 48, attached |

*Wells to be constructed prior to use of Phase 1A.

35. **Groundwater Sampling.** All detection and background wells, intermediate well MW-6, and compliance well MW-E shall be sampled in accordance with F.A.C. 62-701.510(6)(c) and analyzed **every 6 months** for the groundwater monitoring parameters listed as follows:

| <u>Field parameters</u> | <u>Laboratory parameters</u> |
|-------------------------|------------------------------|
| Static Water Level | Total Ammonia - N |
| before purging | Chlorides |
| Specific Conductivity | Iron |
| pH | Mercury |
| Dissolved Oxygen | Nitrate |
| Turbidity | Sodium |
| Temperature | Total Dissolved Solids (TDS) |
| Colors and sheens | Those parameters listed in |
| (by observation) | 40 CFR Part 258, Appendix I |

Water levels shall be measured in all site wells listed in Specific Conditions No. 34.

Additional samples, wells, and parameters may be required based upon subsequent analysis.

36. **Groundwater Monitoring Well Construction.** Any new wells constructed must be approved by the Department through permit modification. The following information shall be submitted to the Department by within 90 days of well completion:

a. Documentation of the following for each well installed:

| | |
|---------------------------|--------------------------------------|
| Well Identification | Boring (Lithology) Log |
| Aquifer monitored | Total depth of well |
| Screen type and slot size | Casing diameter |
| Screen length | Casing type and length |
| Screen diameter | SWFWMD well construction permit Nos. |
| Well seal and filter pack | |
| type and thickness | |

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

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

SPECIFIC CONDITIONS:

corner monument markers at the site. The survey shall be conducted by a Florida Registered Surveyor.

d. Prior to utilization of Phase 1A, the information required in a-c (above) must be submitted for monitoring wells MW-7, MW-8 and MW-9. These wells are to be constructed as proposed in the groundwater monitoring plan referenced in Specific Condition No. 34.

37. **Well Abandonment.** All wells not a part of the approved Water Quality Monitoring Plan are to be plugged and abandoned in accordance with F.A.C. 62-532.440, and the Southwest Florida Water Management District (SWFWMD). Documentation of abandonment shall include a map showing piezometer/well locations and SWFWMD abandonment records. The permittee shall submit a written report to the Department providing verification of the well abandonment **within 30 days of abandonment**. A written request for exemption to the abandonment of a well must be submitted to the Department's Solid Waste Section for approval.

38. **Assessment Monitoring.** If at any time monitoring parameters are detected at concentrations significantly above background water quality, or exceed the Department's water quality standards or criteria at the edge of the zone of discharge, the permittee has 15 days from receipt of the sampling results to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis representative of current groundwater conditions at the facility, and assessment monitoring/corrective action as described in F.A.C. 62-701.510(7) shall be initiated.

39. **Water Quality and Leachate Reporting Requirements.** All ground water quality monitoring and leachate and sludge analyses shall be reported on the Department Form 62-522.900(2), Ground Water Monitoring Report (attached). This report shall include the items listed in F.A.C. 62-701.510(9)(a). The permittee shall submit to the Department the results of the water quality and leachate analysis **July 15th** and **January 15th** for the semi-annual periods January-June and July-December, respectively. Sludge results shall be submitted **annually** by **January 15th**. The results shall be sent to: Solid Waste Section, Department of Environmental Protection, Southwest District Office, 3804 Coconut Palm Drive, Tampa, Florida 33619-8318, and to the Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 4565, Tallahassee, FL 32399-2400.

SPECIFIC CONDITIONS:

40. Groundwater Monitoring Plan Evaluation.

Every two years and prior to 180 days before the expiration of the Department Permit, the permittee shall submit an evaluation of the Groundwater Monitoring Plan as described in F.A.C. 62-701.510(9)(b). The evaluation shall include the applicable information as required by F.A.C. 62-701.510(9), and shall include assessment of the effectiveness of the existing landfill design and operation as related to the prevention of groundwater contamination. Any groundwater contamination that may exist, shall be addressed as part of a groundwater investigation for the landfill assessment. The Groundwater Monitoring Plan shall be adequate to monitor any modifications to the existing landfill site including but not limited to closure. The first evaluation shall be submitted to the Solid Waste Section of the Department by July 15, 1997.

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

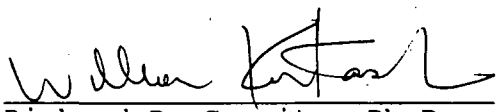
42. General Conditions. The permittee shall be aware of and operate under the "General Conditions". General Conditions are binding upon the permittee and enforceable pursuant to Chapter 403, Florida Statutes.

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

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

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


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

Attachment 1

| SPECIFIC CONDITION | SUBMITTAL DUE DATE | REQUIRED ITEM |
|-----------------------|--|---|
| 4., 17.d. | 180 days prior to permit expiration | Permit Renewal Application LCRS Inspection |
| 18. | February 15, 1997 | Gas wells installed and sampled |
| 18. and 33.a | Quarterly, by January 15th, April 15th, July 15th, and October 15th | Gas monitoring results, Leachate treatment results |
| 24. | 180 days prior to date of final waste acceptance | Closure Permit Application |
| 25. | Annually, by September 1st | Financial assurance cost estimates |
| 29.a. | Annually, by January 15th | Water quality QAP documentation |
| 30.c. | January 31, 1997 | Change property record for extended zone of discharge |
| 31. | Every 6 months | Leachate sampled/analyzed |
| 31. | Annually | Leachate sampled/analyzed for 40 CFR Part 258, Appendix II parameters |
| 33.b. | Annually | Leachate treatment - Sludge results |
| 35. | Every 6 months | Groundwater wells sampled/ analyzed |
| 39. | Semi-annually, by January 15th, and July 15th | Water quality and leachate monitoring results |
| 39. | Annually, by January 15th | Leachate treatment plant sludge analyses |
| 40. | July 15, 1997 and every two years by July 15th and 180 days prior to permit expiration | Evaluation of groundwater monitoring plan |

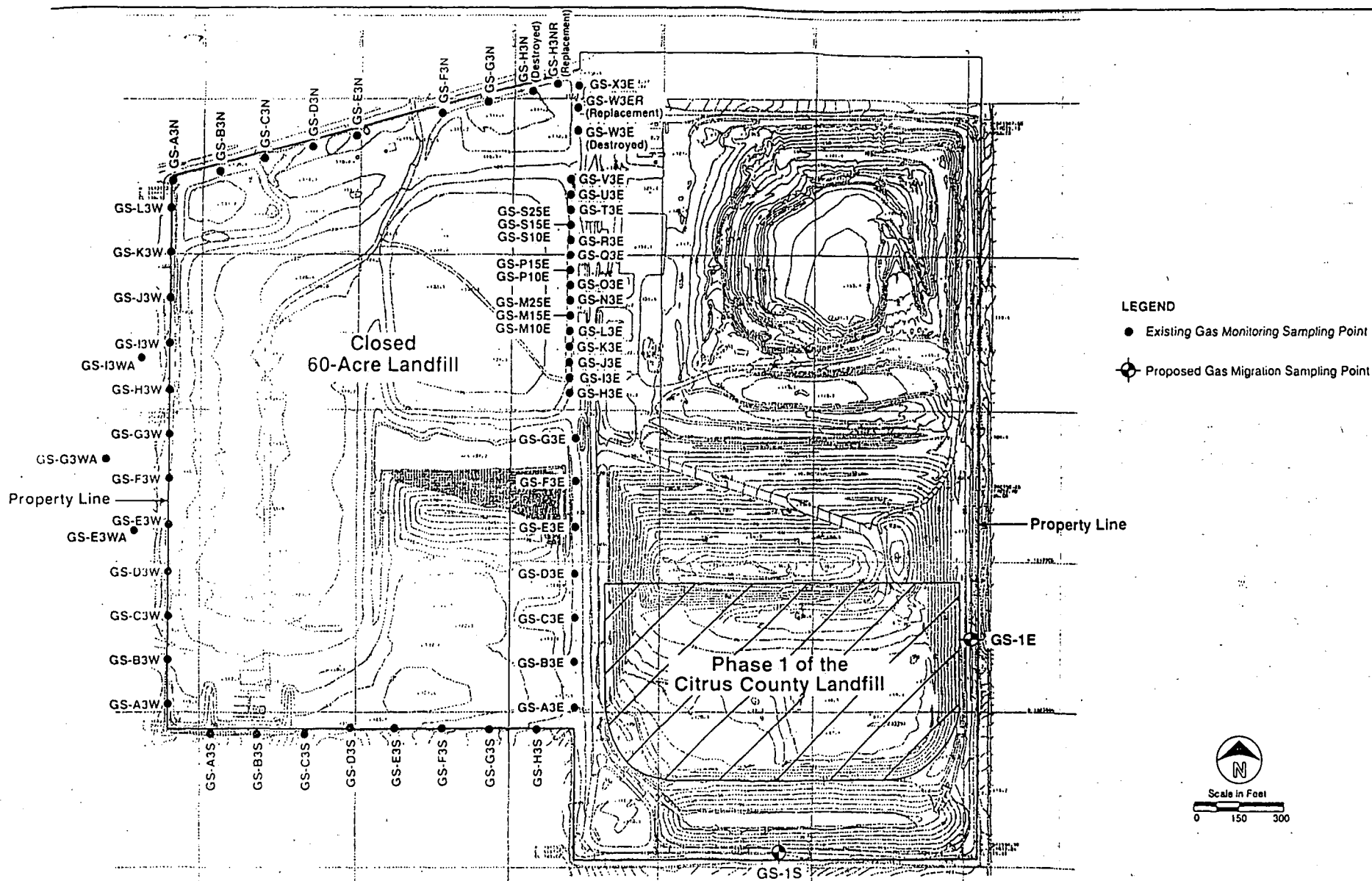
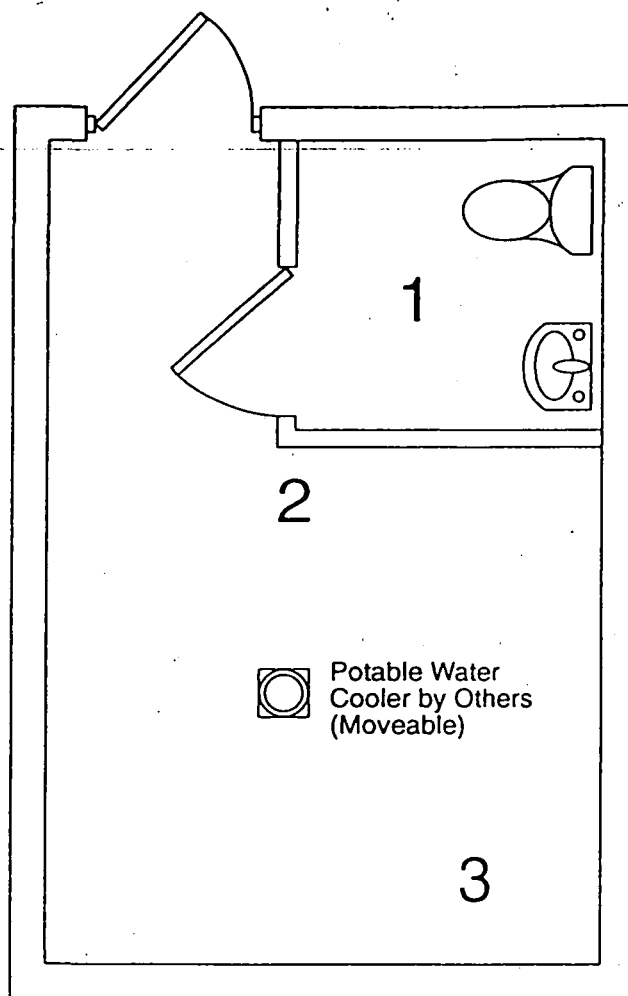
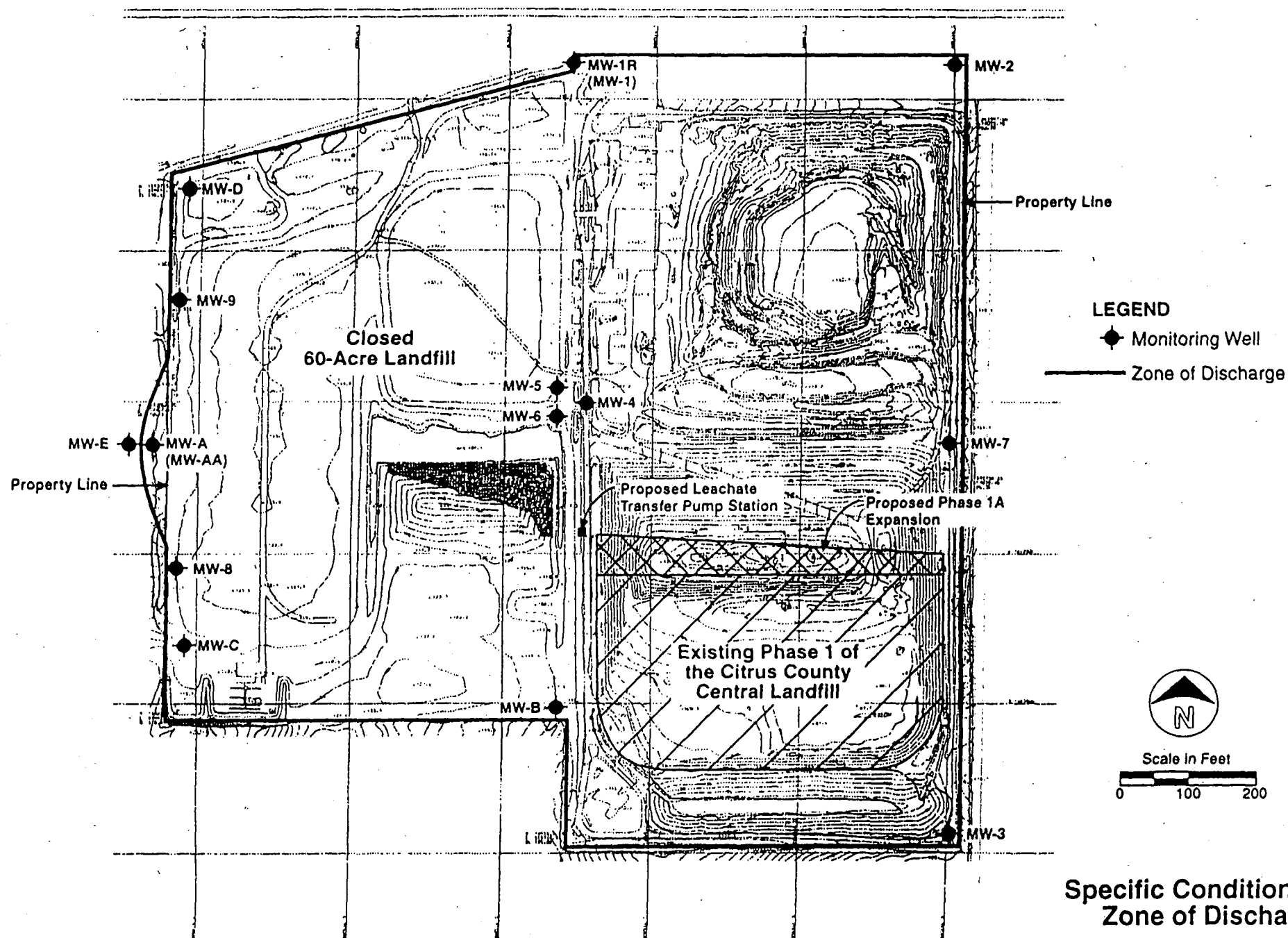


FIGURE 1
Gas Monitoring Sampling Point



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

FIGURE 3
Scalehouse Gas Monitoring Points



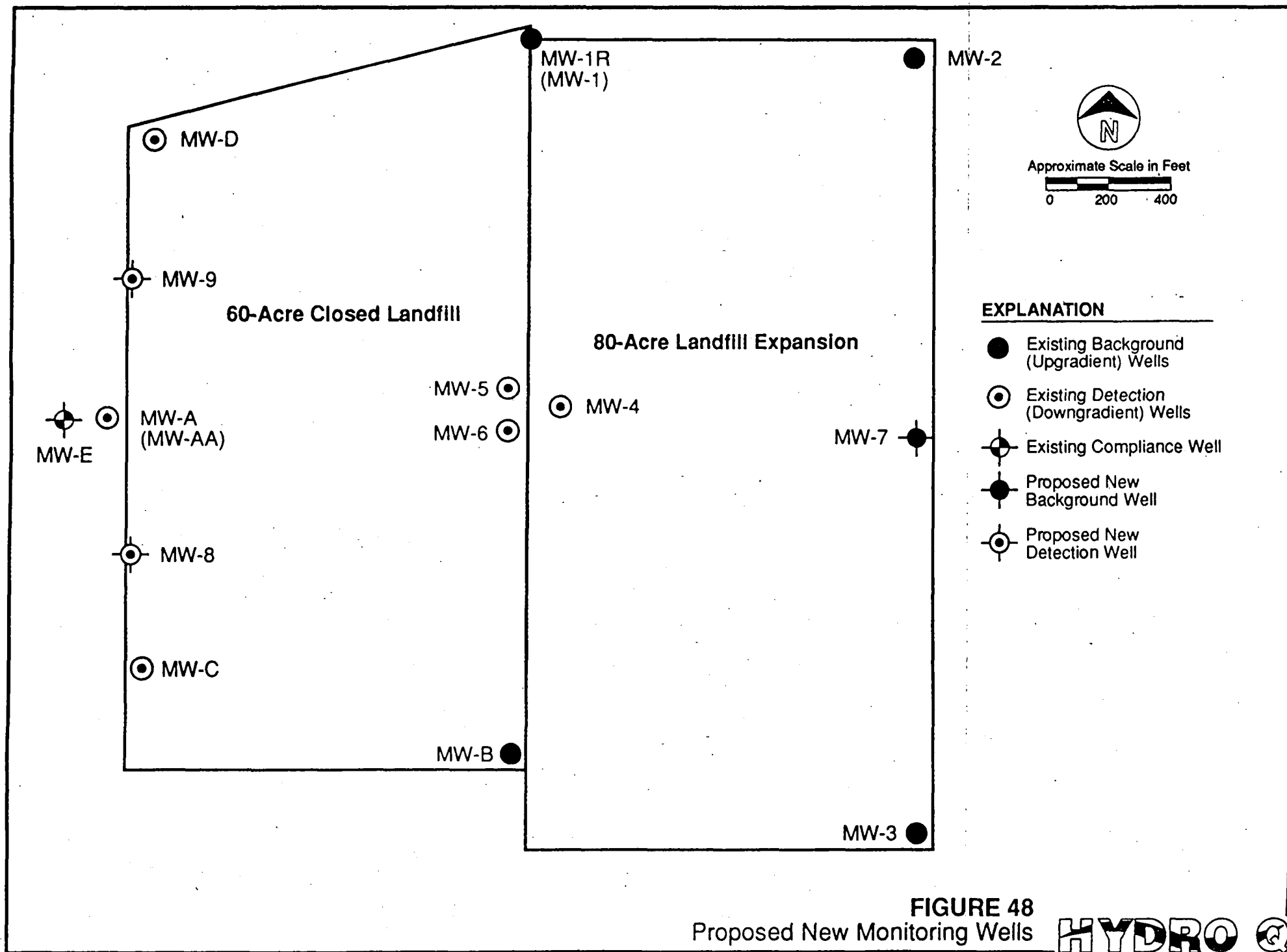


FIGURE 48
Proposed New Monitoring Wells

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title GROUND WATER MONITORING
REPORT

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name _____

Address _____

City _____ Zip _____

Telephone Number (_____) _____

(2) The GMS Identification Number _____

(3) DEP Permit Number _____

(4) Authorized Representative Name _____

Address _____

City _____ Zip _____

Telephone Number (_____) _____

(5) Type of Discharge _____

(6) Method of Discharge _____

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP #/HRS Certification # _____

*Comp QAP #/HRS Certification # _____

Lab Name _____

Address _____

Phone Number (_____) _____

Facility GMS #: _____ Sampling Date/Time: _____
Test Site ID #: _____ Report Period: _____
(year/quarter)

Classification of Ground Water: _____ Well Type: () Background

Ground Water Elevation (NGVD): _____ () Compliance
 _____ () Other
 or (MSL): _____

| Store Code | Parameter Monitored | Sampling Method | Field Filtered Y/N | Analysis Method | Analysis Date/Time | Analysis Results/Units | Detection Limits/Units |
|------------|---------------------|-----------------|--------------------|-----------------|--------------------|------------------------|------------------------|
| | | | | | | | |

Page 2 of 2

Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

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

FROM/THROUGH:

_____, ENVIRONMENTAL ADMINISTRATOR
 _____, PROGRAM SUPERVISOR
 _____, SECTION SUPERVISOR *RB*
 _____, ENG, ENV SPEC, GEOLOGIST *HA*

DATE: 10/24/96

FILE NAME: CITRUS CENTRAL LANDFILL CASE #: 5009-274381
 PROGRAM: SOLID WASTE COUNTY: CITRUS

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

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

PERMIT SUMMARY: _____

PROFESSIONAL RECOMMENDATION: ☒ APPROVE _____ DENY _____

EVALUATION SUMMARY: _____

DAY 90/30 FOR THIS ACTION IS 12/20/96, ASAP

PERMITTING SUMMARY

SO09- 274381

CITRUS COUNTY LANDFILL OPERATION PERMIT

This permit renewal is to allow the continued operation of the existing Class I landfill, with a usable remaining lined disposal area of about 17 acres (Phase 1) and a proposed disposal area of 3 acres (phase 1A). Operation of Phase 1A is not authorized as part of this permit at this time. Authorization to operate Phase 1A will require a minor modification of this permit upon receipt of Phase 1A certification of construction completion, record drawings and approval by the DEP. The County is aware of this condition.

The expected life of Phase 1 is 2 years until it is expanded by Phase 1A, at which time the life of the combined disposal areas will be increased by 5 years. The Phase 1A expansion should be completed by July 1997.

Other activities associated with this permit but outside of the disposal area include the leachate storage tank and leachate treatment facility and related percolation pond disposal, gas and groundwater monitoring programs, management of white goods and yard trash, a residential waste drop-off area and household hazardous waste collection/management.

The site was observed in good condition on October 9, 1996. Some minor leachate seeps were observed but would be corrected upon complete implementation of the drawings for the sequence of filling approved as part of this permit. Financial assurance is approved.

This permit contains numerous specific conditions containing clarification and deadlines for submittal of reports to help improve compliance.

kbf - 10/24/96

CERTIFICATION

Application No.

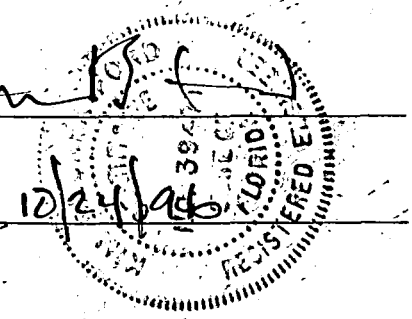
5009-274381

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide ~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. 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).

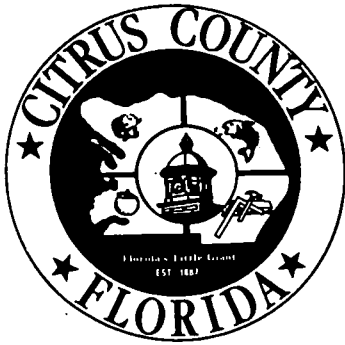
(Signed)

(Date)

(Seal)



OCT 24 1996

SOUTHWEST DISTRICT
TAMPA

Board of County Commissioners

Department of Public Works

REPLY TO:

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

October 18, 1996

Allison Amram, P.G.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

Re: Permit No. SO09-187229 and SF09-211030
Field filtration of groundwater samples

Dear Ms. Amram:

This submittal is to clarify and update Citrus County's request for DEP to allow field filtration of groundwater samples for metals and radionuclides from the wells covered under both listed permits. According to the 1994 DEP Technical Document Determining Representative Ground Water Samples, Filtered or Unfiltered, six criteria must be met in order to allow that procedure. In a recent phone conversation, you indicated that submission of analytical results comparing filtered and unfiltered samples (Criterion 6) would be required.

The County's contract lab (Savannah Laboratories) performed a comparison of filtered vs. unfiltered analyses for metals and radionuclides on the sample taken in July 1994 from wells 4, 5, 6, and AA. A significant difference was found between analyses for filtered vs. unfiltered Barium, Chromium, Lead, Aluminum, Iron, Zinc and Gross Alpha. Review of our submittals to DEP during that time period reveals that this comparison has not been previously submitted. Copies are attached.

The July 1994 sampling episode did not include wells 2 and 3 which are background wells for the site, nor did it include wells R-1, B, C, D or E. We can obtain such data, if required, at our next sampling event. Please indicate whether samples from only wells 2 and 3 or which of the others would be required. That sampling episode is currently scheduled for January 1997.

Administrative Office
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(352) 527-0333
Fax 527-0654

Fleet Management
Post Office Box 215
Lecanto, Florida 34460
(352) 746-6888
Fax 746-1203

Road Maintenance
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(352) 746-5000
Fax 527-1204

October 21, 1996
Allison Amram, P.G.
Page 2

Our initial request to allow filtration of metals and radionuclide samples was submitted as part of an annual report and summary of installation of new wells dated October 31, 1994. This was based on our understanding of the results of the filtered/unfiltered analyses from the July 1994 sampling event. Your letter of November 18, 1994 requested two additional pieces of information (QA procedures and well numbers). Our response of November 28, 1994 provided that information; we requested that all wells for both sites which met the >5NTU threshold be allowed to have filtered samples. We also provided excerpts from Orlando Laboratories (the County's new contract laboratory) QA plan. Your letter of March 10, 1995 indicated that field turbidity must be measured on unfiltered samples, that only samples for metals and radionuclides may be filtered and filtration must be done with a 1 micron filter. The latter was based on the Orlando Laboratories QA plan which indicated use of a .45 micron filter. We received revised pages from the lab on March 20, 1995 indicating that they would follow those procedures. We proceeded to implement field filtration of samples which exceed the 5 NTU value.

Over the next six sampling episodes, every well on both sites exhibited turbidity in excess of 5 NTU. None of the wells naturally meet the drinking water standard of 1 NTU. Wells B and C are the cleanest of the wells, with turbidity below 5 NTU on half or more of the sampling episodes. Both have dedicated pumps; all the rest of the wells are sampled by bailing.

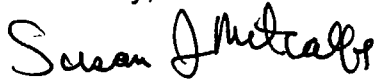
Both the presence of turbidity and the sampling mechanism are a reflection of the nature of the geologic units being sampled and well construction. The first occurrence of water in the sediments is usually in a clayey sand/sandy clay at about 105 to 115 feet below land surface. This means that the screened section of the well is open to fine-grained material with low transmissivity; moving water into the well creates high velocities, which moves not only water but aquifer materials into the well. Fine grained material (turbidity) tends to stay suspended in the water that is removed. The depth to water and very low water production rate severely limit the use of sampling pumps, therefore bailers are the appropriate sampling mechanism. Bailers however tend to disturb the material accumulated inside the well and re-suspend it.

The low transmissivity also thwarts attempts to develop the wells. For example, after construction of Well R-1, and after the drilling contractor gave up on all methods he had tried, the County sent a laborer to bail the well. He worked daily for over a month and was able to remove one to two casing volumes each day; the well still produces water with turbidities in excess of the filtration threshold. The worst well onsite exhibited a turbidity of 192 NTU during the last sampling episode. When turbidities reach that level, the lab either cannot perform analyses at all, or has results with very high detection levels.

October 21, 1996
Allison Amram, P.G.
Page 3

Review of recent lab reports shows that reported turbidity may not be following guidelines; occasionally the filtered turbidity has been reported as unfiltered or vice versa, and occasionally the unfiltered result has not been reported. The lab has been reminded of the requirements.

Yours truly,

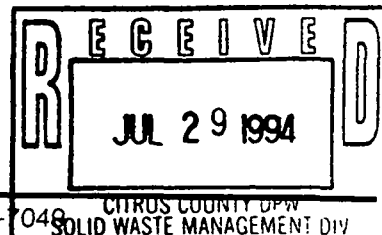
A handwritten signature in black ink, appearing to read "Susan J. Metcalfe". The signature is fluid and cursive, with the first name "Susan" being more prominent.

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7048



LOG NO: B4-31381

Received: 08 JUL 94

Ms. Cathy Winter
Citrus County Division of Solid Waste Mgt.
Post Office Box 340
Lecanto, Florida 34460-0340

Purchase Order: 16614

Project: Citrus County Landfill
Sampled By: Savannah Laboratories

REPORT OF RESULTS

Page 1

| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | DATE SAMPLED | | | |
|-------------------------------|-------------------------------------|--------------|----------|----------|--|
| 31381-1 | MW-4 | 07-07-94 | | | |
| 31381-2 | MW-5 | 07-07-94 | | | |
| 31381-3 | MW-6 | 07-07-94 | | | |
| 31381-4 | MW-AA | 07-07-94 | | | |
| PARAMETER | 31381-1 | 31381-2 | 31381-3 | 31381-4 | |
| Antimony, mg/l | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |
| Antimony (Dissolved), mg/l | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |
| Arsenic, mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Arsenic (Dissolved), mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Asbestos in Water (TEM), mg/l | * | * | * | * | |
| Barium, mg/l | 0.21 | 0.79 | 0.25 | 0.42 | |
| Barium (Dissolved), mg/l | <0.010 | <0.010 | 0.014 | 0.024 | |
| Beryllium, mg/l | <0.0040 | <0.0040 | <0.0040 | <0.0040 | |
| Beryllium (Dissolved), mg/l | <0.0040 | <0.0040 | <0.0040 | <0.0040 | |
| Cadmium, mg/l | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |
| Cadmium (Dissolved), mg/l | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |
| Chromium, mg/l | 0.023 | 0.058 | 0.032 | 0.036 | |
| Chromium (Dissolved), mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Cyanide, Total (9012), mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Fluoride, mg/l | <0.20 | <0.20 | <0.20 | <0.20 | |
| Lead, mg/l | 0.013 | 0.060 | 0.013 | 0.014 | |
| Lead (Dissolved), mg/l | <0.0050 | <0.0050 | <0.0050 | <0.0050 | |
| Mercury, mg/l | <0.00020 | <0.00020 | <0.00020 | 0.00051 | |
| Mercury (Dissolved), mg/l | <0.00020 | <0.00020 | <0.00020 | <0.00020 | |
| Nickel, mg/l | <0.040 | <0.040 | <0.040 | <0.040 | |
| Nickel (Dissolved), mg/l | <0.040 | <0.040 | <0.040 | <0.040 | |
| Nitrate-N, mg/l | <0.050 | <0.050 | 11 | <0.050 | |
| Nitrite-N, mg/l | <0.050 | <0.050 | 0.17 | <0.050 | |
| Nitrate + Nitrite-N, mg/l | <0.050 | <0.050 | 11 | <0.050 | |
| Selenium, mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049

LOG NO: B4-31381

Received: 08 JUL 94

Ms. Cathy Winter
Citrus County Division of Solid Waste Mgt.
Post Office Box 340
Lecanto, Florida 34460-0340

Purchase Order: 16614

Project: Citrus County Landfill
Sampled By: Savannah Laboratories

REPORT OF RESULTS

Page 2

| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | | | | DATE SAMPLED |
|------------------------------------|-------------------------------------|-----------|-----------|-----------|--------------|
| 31381-1 | MW-4 | | | | 07-07-94 |
| 31381-2 | MW-5 | | | | 07-07-94 |
| 31381-3 | MW-6 | | | | 07-07-94 |
| 31381-4 | MW-AA | | | | 07-07-94 |
| PARAMETER | 31381-1 | 31381-2 | 31381-3 | 31381-4 | |
| Selenium (Dissolved), mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Sodium, mg/l | 7.4 | 7.3 | 71 | 18 | |
| Sodium (Dissolved), mg/l | 6.9 | 4.8 | 68 | 18 | |
| Thallium, mg/l | <0.0020 | <0.0020 | <0.0020 | <0.0020 | |
| Thallium (Dissolved), mg/l | <0.0020 | <0.0020 | <0.0020 | <0.0020 | |
| Turbidity, NTU | 240 | 320 | 500 | 360 | |
| Total Coliform MF, col/100ml | <1 | <1 | <1 | <1 | |
| Fecal Coliform MF, col/100ml | <1 | <1 | <1 | <1 | |
| Gross Alpha, pCi/l | 2.0+/-1.2 | 2.1+/-1.5 | 9.9+/-3.5 | 19+/-5.0 | |
| Gross Alpha (Dissolved), pCi/l | <2.0 | 2.7+/-1.2 | 4.4+/-2.9 | 4.9+/-3.8 | |
| Gross Beta, pCi/l | <2.0 | <2.0 | 2.6+/-4.7 | 4.6+/-6.3 | |
| Gross Beta (Dissolved), pCi/l | <2.0 | <2.0 | 2.0+/-4.7 | 3.9+/-6.3 | |
| Aluminum, mg/l | 7.5 | 53 | 26 | 19 | |
| Aluminum (Dissolved), mg/l | <0.20 | <0.20 | <0.20 | <0.20 | |
| Chloride, mg/l | 4.8 | 4.8 | 68 | 5.8 | |
| Color, PCU | 25 | 5 | 20 | 15 | |
| Copper, mg/l | <0.025 | <0.025 | <0.025 | <0.025 | |
| Copper (Dissolved), mg/l | <0.025 | <0.025 | <0.025 | <0.025 | |
| Surfactants (MBAS-EPA 425.1), mg/l | <0.10 | <0.10 | <0.10 | <0.10 | |
| Iron, mg/l | 6.6 | 8.5 | 6.0 | 21 | |
| Iron (Dissolved), mg/l | 3.5 | 0.37 | 0.052 | 8.4 | |
| Manganese, mg/l | 0.15 | 0.16 | 0.12 | 4.0 | |
| Manganese (Dissolved), mg/l | 0.13 | 0.094 | 0.087 | 3.9 | |
| Odor, TON | 16 | 32 | 4 | 4 | |
| pH, units | 5.7 | 6.1 | 6.2 | 6.6 | |

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

6712 Benjamin Road • Suite 100 • Tampa, FL 33634 • (813) 885-7427 • Fax (813) 885-7049

LOG NO: B4-31381

Received: 08 JUL 94

Ms. Cathy Winter
Citrus County Division of Solid Waste Mgt.
Post Office Box 340
Lecanto, Florida 34460-0340

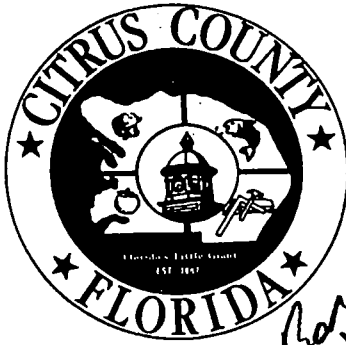
Purchase Order: 16614

Project: Citrus County Landfill
Sampled By: Savannah Laboratories

REPORT OF RESULTS

Page 3

| LOG NO | SAMPLE DESCRIPTION , LIQUID SAMPLES | | | | DATE SAMPLED |
|-----------------------------------|-------------------------------------|---------|---------|---------|--------------|
| 31381-1 | MW-4 | | | | 07-07-94 |
| 31381-2 | MW-5 | | | | 07-07-94 |
| 31381-3 | MW-6 | | | | 07-07-94 |
| 31381-4 | MW-AA | | | | 07-07-94 |
| PARAMETER | 31381-1 | 31381-2 | 31381-3 | 31381-4 | |
| Silver, mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Silver (Dissolved), mg/l | <0.010 | <0.010 | <0.010 | <0.010 | |
| Sulfate as SO ₄ , mg/l | <5.0 | <5.0 | <5.0 | 12 | |
| Total Dissolved Solids, mg/l | 270 | 130 | 440 | 460 | |
| Zinc, mg/l | 0.21 | 0.10 | 0.093 | 0.033 | |
| Zinc (Dissolved), mg/l | 0.13 | 0.032 | 0.039 | <0.020 | |
| Trihalomethanes | | | | | |
| Bromoform, ug/l | <5.0 | <5.0 | <5.0 | <5.0 | |
| Chloroform, ug/l | <5.0 | <5.0 | 11 | <5.0 | |
| Dichlorobromomethane, ug/l | <5.0 | <5.0 | 5.2 | <5.0 | |
| Dibromochloromethane, ug/l | <5.0 | <5.0 | <5.0 | <5.0 | |



Board of County Commissioners

Department of Public Works

D.E.P.

OCT 23 1996

SOUTHWEST DISTRICT
TAMPA

MEMORANDUM

DATE: OCTOBER 18, 1996

TO: TAD STONE, DIRECTOR, PUBLIC SAFETY DEPARTMENT

FROM: SUSAN J. METCALFE, DIRECTOR, DIVISION OF SOLID WASTE MGT. *SJM*

SUBJECT: EMERGENCY RESPONSE MANUAL - WASTE TIRE STORAGE /
PROCESSING FACILITY FOR THE CENTRAL LANDFILL

=====

In compliance with Florida Administrative Code Chapter 62-711 - Waste Tire Rule - (62-711.540 (e) Annual update, please be advised, there have been no changes to the site from July 19, 1995 through October 18, 1996.

Please included this memorandum in your copy of the manual.

If you should have any questions, please let me know.

SJM:CJW:cjw

CC: Gary W. Kuhl, Director, Dept. Public Works
Mike Schlaudraff, Director, Fire Services
Ken Clamer, Coordinator, Fire Prevention
Randy Messer, Hazardous Materials Coordinator
Jeff Dawsy, Director, Emergency Operations Center/911
Kim Ford, P.E., Department of Environmental Protection-Tampa
David Chamblin, Section Chief, Landfill Operations

Administrative Office
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(352) 527-0333
Fax 527-0654

Fleet Management
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Fax 746-1203

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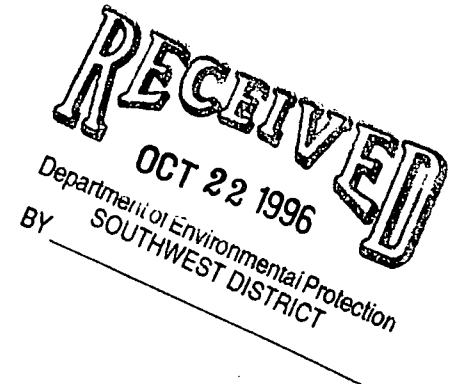
Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(352) 746-5000
Fax 527-1204



Engineers
Planners
Economists
Scientists

October 21, 1996

134202.34.01



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

Dear Mr. Ford:

Subject: Citrus County Central Landfill Phase 1 and 1A Expansion - Operations Plan

Per our telephone conversation, enclosed are two revised copies of the Citrus County Central Landfill Operations Plan's cover page, title page, Appendix G, and Phase 1 filling plans (Appendix B). Replace the appropriate pages of the September 1996 Operations Plan with the enclosed materials.

As indicated on page ES-4 of the Executive Summary, Appendix G of the Operations Plan replaces Section 9.0.

If you have any further questions, please do not hesitate to contact me at 407-423-0030.

Sincerely,

CH2M HILL

Tawny Olore
Project Engineer

ORL/DOCUMENT2

c: Susan Metcalfe/Citrus County
John Wood/CH2M HILL - DFB

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 10/11/96Subject Leachate Mgt/Testing/DisposalTime 1:10

Permit No. _____

County CitrusM Susie Metcalfe

Telephone No. _____

Representing Citrus - Solid Waste☒ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

Master lift station will be installed w/ new construction.

Susie is writing a letter to ask for leachate effluent disposal to the per ponds. They have just completed 3 mos. of testing - some parameters have not met goals all the time but the Co. was able to find out what was wrong + correct the treatment. She does not have the last 2 weeks of test data -- will forward that when it becomes available.

(continue on another
sheet, if necessary)Signature A. AmramTitle PGI



Board of County Commissioners

Department of Public Works

Bob RB

October 9, 1996

D.E.P.

Department of Environmental Protection
Division of Waste Management
3804 Coconut Palm
Tampa, Florida 33619

OCT - 9 1996
SOUTHWEST DISTRICT
TAMPA

Att: Mr. Kim Ford

RE: CONTINGENCY PLAN FOR EMERGENCY INCIDENTS FOR THE CITRUS
COUNTY CENTRAL LANDFILL AND RELATED FACILITIES, LECANTO, FL

Dear Mr. Ford:

In compliance with the hazardous waste contingency plan requirements under 40 CFR 265 Subpart D, along with 40 CFR 265 Subpart C (265.16), the Division of Solid Waste Management is transmitting for your records, the Contingency Plan for Emergency Incidents for the Citrus County Central Landfill and Related Facilities consisting of the active 80 Acre Disposal Site, 60 Acre Closed Site, Leachate Treatment Plant and Holding Tanks, Recycle Alley, and the Hazardous Material Collection and Storage Facility.

Future amendments to the plan shall be forwarded for inclusion in the attached binder.

If you should have any questions, or need additional information, please let me know.

Sincerely,

Susan J. Metcalfe

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Gary W. Kuhl, Director, Dept. Public Works
Agencies Listed Page Two Contingency Plan

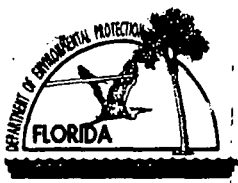
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE MANAGEMENT FACILITY INSPECTION CHECKLIST

GMS I.D. No. _____ Inspection Date: 10/9/96
Facility Name: CITRUS CENTRAL Permit No. 5009-189229 Expiration Date: 10/1/95
Address (location by section, township and range): SR 44
City: SARASOTA ISLAND - INVERNESS State: FL Zip: _____
Permittee or Operating Authority: CITRUS COUNTY
Telephone Number (Permittee or Operating Authority): _____

Inspection Participants - Include ALL Landfill and Department Employees Specifying Titles (Indicate Principal Inspector):
Jim Fourn

TYPE OF FACILITY:

Landfill

- ☒ Class I
☐ Class II
☐ Class III

Other

- ☐ Composting
☐ Shredder
☐ Incinerator/Trench Burner
☐ Resource Recovery
☐ Energy ☐ Materials
☐ C&D Facility
☐ Transfer Station
☐ Unauthorized Disposal

TYPE OF INSPECTION:

- ☐ Construction Completion (☐ phase)
☒ Operation
☐ Closure
☐ Post-Closure
☐ Reinspection
☐ Complaint Response
☐ Facility File Review
☐ Other

REQUIREMENTS

THE REQUIREMENTS LISTED ON THIS INSPECTION REPORT ARE BASED UPON RULES OF THE FLORIDA ADMINISTRATIVE CODE. A "NO" RESPONSE TO A REQUIREMENT (UNLESS OTHERWISE NOTED) REFLECTS A DEFICIENCY OR POSSIBLE VIOLATION OF THE CORRESPONDING DEPARTMENT RULE(S). EACH DEFICIENCY OR POSSIBLE VIOLATION IS DISCUSSED IN THE NARRATIVE SECTION OF THIS REPORT.

| I CONSTRUCTION VERIFICATION | YES | NO. | Unk | N/A |
|--|-------------------------------------|-----|-------------------------------------|-------------------------------------|
| 1. Subgrade or foundation prepared according to approved plan? 62-701.400(3)(a)2 | | | | |
| 2. Liner construction/installation according to approved plan? 62-701.400(3) | | | | |
| 3. Leachate control system installation according to approved plan? 62-701.400(4) | | | | |
| 4. Disposal units constructed at planned intervals? 62-701.400(2) | | | | |
| 5. Gas control system installation according to approved plan? 62-701.400(10)(a) | | | | |
| 6. Surface water management system constructed according to approved plan? 62-701.400(9) | | | | |
| 7. Ground water monitoring system constructed according to approved plan? 62-701.510(2) | | | | |
| 8. Leachate storage constructed according to approved plan? 62-701.400(6) | | | | |
| 9. Liner quality assurance plan followed? 62-701.400(7) | | | | |
| II OPERATIONS | | | | |
| 10. Trained operator on site at Class I and III during operation? 62-701.500(1) | <input checked="" type="checkbox"/> | | | |
| 11. Approved operating plan, complete operating records and all permit support documents available? 62-701.500(2)&(3)&(4)&(13) | <input checked="" type="checkbox"/> | | | |
| 12. Gas monitoring according to permit? 62-701.400(10)(c) and 62-701.500(9) | <input checked="" type="checkbox"/> | | | |
| 13. Gas controlled to minimize off site odors? 62-701.400(10)(a) | <input checked="" type="checkbox"/> | | | |
| 14. At least one spotter at each working face during operation at Class I and III? 62-701.500(1) | <input checked="" type="checkbox"/> | | | |
| 15. Load checking program implemented? 62-701.500(6) | <input checked="" type="checkbox"/> | | | |
| 16. Waste compaction as required? 62-701.500(7)(a) | <input checked="" type="checkbox"/> | | | |
| 17. In compliance with all permit specific conditions? 62-701.320(1) | <input checked="" type="checkbox"/> | | | |
| 18. Working face/grade above ground no greater than 3 to 1 rise? 62-701.500(7)(c) | <input checked="" type="checkbox"/> | | | |
| 19. Narrow working face practiced? 62-701.500(7)(d) | <input checked="" type="checkbox"/> | | | |
| 20. Only permitted waste types disposed of? 62-701.340(3) and 62-701.500(2)(c)&(6)(a) | <input checked="" type="checkbox"/> | | | |
| 21. In compliance with prohibition on unauthorized scavenging? 62-701.500(7)(h) | <input checked="" type="checkbox"/> | | | |
| 22. Required signs for operational directions and public information? 62-701.500(11)(h) | <input checked="" type="checkbox"/> | | | |
| 23. Weighing or measuring of incoming waste? 62-701.500(4)(a)&(2)(d) | <input checked="" type="checkbox"/> | | | |
| 24. Method and sequence of filling waste according to approved plan? 62-701.500(2)(f) | <input checked="" type="checkbox"/> | | | |
| 25. Sufficient operating equipment? 62-701.500(11)(a) | <input checked="" type="checkbox"/> | | | |
| 26. Sufficient reserve operating equipment (or other arrangements)? 62-701.500(11)(b) | <input checked="" type="checkbox"/> | | | |
| 27. Adequate communication facilities? 62-701.500(11)(c) | <input checked="" type="checkbox"/> | | | |
| 28. Solid waste being burned in accordance with Department rules? 62-701.300(3) | | | | <input checked="" type="checkbox"/> |
| 29. Proper control or disposal of asbestos and other special wastes? 62-701.520(4) | | | <input checked="" type="checkbox"/> | |

| | YES | NO | Unk | N/A |
|---|-----|----|-----|-----|
| III MAINTENANCE | | | | |
| 30. In compliance with prohibition on lead acid battery disposal? 62-701.300(8)(a) | ✓ | | | |
| 31. In compliance with prohibition on used oil disposal? 62-701.300(8)(b) | ✓ | | | |
| 32. In compliance with prohibition on yard trash disposal in lined landfills? 62-701.300(8)(c) | ✓ | | | |
| 33. In compliance with prohibition on white goods disposal? 62-701.300(8)(d) | ✓ | | | |
| 34. In compliance with prohibition on whole tire disposal? 62-701.300(8)(e) | ✓ | | | |
| III MAINTENANCE | | | | |
| 35. Effective barrier to prevent unauthorized entry and dumping? 62-701.500(5) | ✓ | | | |
| 36. Adequate vector control using approved methods? 62-701.500(7)(e) | ✓ | | | |
| 37. Disposal area easily accessible? 62-701.500(12) | ✓ | | | |
| 38. Retention and/or detention ponds, ditches, culverts and berms maintained? 62-701.500(10) | ✓ | | | |
| 39. Adequate dust control using approved methods? 62-701.500(11)(e) | ✓ | | | |
| 40. Litter control maintained? 62-701.500(7)(i) & (11)(g) | ✓ | | | |
| 41. Fire protection and fire fighting facilities adequate and operational? 62-701.500(11)(f) | ✓ | | | |
| 42. Ground water wells intact and functioning properly? 62-701.510(2)(b) and 62-701.620(7) | | | ✓ | |
| 43. Gas vents intact and functioning properly? 62-701.500(9) | | | | ✓ |
| 44. Leachate control, collection and treatment as required? 62-701.500(8) | ✓ | | | |
| IV WATER MANAGEMENT AND MONITORING | | | | |
| 45. Water quality sampling and testing according to standard procedures and at required frequency? 62-701.510(2) | | | ✓ | |
| 46. Mixing of leachate and storm water prevented? 62-701.400(9)(d) | ✓ | | | |
| 47. Storm water run-on/runoff controlled, collected and treated as required? 62-701.400(9) and 62-701.500(10) | ✓ | | | |
| 48. Leachate sampling and testing as required? 62-701.500(8) | | | ✓ | |
| V COVER | | | | |
| 49. Adequate quantity of acceptable cover material available as stated in permit application? 62-701.330(4)(e)4 | ✓ | | | |
| 50. Frequency, amount and quality of initial cover as required? 62-701.500(7)(e) | ✓ | | | |
| 51. Frequency, amount and quality of intermediate cover as required? 62-701.500(7)(f) | ✓ | | | |
| 52. Adequate erosion control? 62-701.500(7)(j) | ✓ | | | |
| VI CLOSURE | | | | |
| 53. Final cover installation according to approved closure design plan? 62-701.600(5)(f)(2) | | | | |
| 54. Facility meets closure requirements prohibiting unauthorized dumping? 62-701.600(5)(i) | | | | |
| 55. All actions for closure completed according to approved closure operation plan? 62-701.600(6) | | | | |
| 56. Final survey, site plan and "Declaration to the Public" filed at county clerks office and certified copy filed with the Department? 62-701.610(2) | | | | |
| 57. In compliance with approved use of closed landfill and integrity of environmental protection is maintained? 62-701.610(7) | | | | |
| 58. Long term care performed according to approved closure plan? 62-701.620 | | | | |
| 59. In compliance with all financial assurance requirements? 62-701.630 | | | | |
| VII NON-LANDFILL SITES | | | | |
| 60. Materials recovery facility operation in compliance with all permit conditions and other applicable requirements? 62-701.700 | | | | |
| 61. Transfer station operation in compliance with all general permit conditions and other applicable requirements? 62-701.801 | | | | |
| 62. Resource recovery facility in compliance with all permit conditions and other applicable requirements? 62-701.320(1) | | | | |
| 63. Milling facility in compliance with all permit conditions and other applicable requirements? 62-701.320(1) | | | | |
| 64. Only authorized wastes disposed of at C&D facility? 62-701.730(6) | | | | |
| 65. C&D facility in compliance with all permit conditions and other applicable requirements? 62-701.730 and 62-701.803 | | | | |

Department copy (white)

Facility copy (yellow)

① OPERATION APPEARS TO BE FOLLOWING
FILLING PLANS, SOME PERMIT CONDITIONS
AND OLD FILLING PLAN NO LONGER APPLICABLE
DUE TO NEW PLAN AS PART OF PERMIT RENEWAL

② 29. RUBBER HOSE W/ ASBESTOS INSIDE
ACCEPTED BUT NOT COVERED - ASBESTOS MAY
NOT BE FRIABLE SINCE IT IS NOT VISIBLE

30. 2 SAMPLES IN DUMPSTER REMOVED UPON
REQUEST BUT NOT LEAD ACID BATTERIES

31. USED OIL AREA COULD USE SOME CLEANUP FROM
MINOR SPILLAGE ON CONTAINMENT WALL, MAY BE
A SIGN THAT SAYS POOR CAREFULLY.

46. 2 MINOR LEAKAGE STEPS SOUTH GUTTER AREA
POSSIBLY DUE TO HEAVY RAIN, STEPS LOPE
OPERATOR WILL TRY TO REPAIR W/ SOIL & SOIL

Other

NORTH SLOPE VEGETATION - MOWING MAY
HELP TO IDENTIFY OTHER STEPS TO BE REPAIRED
BUT COULD WAIT UNTIL DRY SEASON (DECEMBER)

Signed:

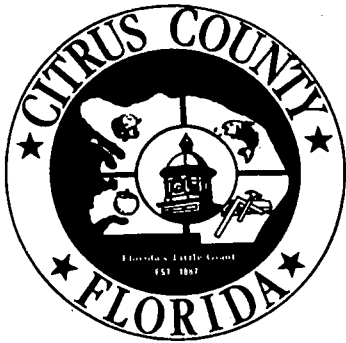
DEP Representative

Date

Received:

Site Representative

Date



Board of County Commissioners

Department of Public Works

September 30, 1996

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

RECEIVED
OCT 03 1996
Department of Environmental Protection
BY SOUTHWEST DISTRICT

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

RE: Permit No. SO09-187229, Landfill Liner

Dear Mr. Ford:

During the removal of a portion of the gutter near the southeast entrance road at the referenced site on September 18, four cuts were made in the 60-mil HDPE liner material. The areas were immediately identified. The cuts are above the location of any fill material. The County has made arrangements to have these locations patched on Thursday, October 3 and/or Friday, October 4 by SCL Consulting.

At the same time, we will make repairs to damages to the liner which occurred previously. These holes are in the vicinity of the leachate system cleanout lines/gas vents and occurred when lines sagged and support straps pulled off, or when the lines were adjusted back to the original location. All locations are well above all fill material.

Upon completion of the repairs, a sketch of the locations will be provided to FDEP. Please contact me if you have any questions.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Robert Butera, FDEP, Tampa

Administrative Office
Post Office Box 167
Lecanto, Florida 34460
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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/27/96

Subject Citrus LF - ZOD

Time 4:10

Permit No. _____

M Susie Metcalfe

County Citrus

Telephone No. 352/746-5000

Representing Citrus

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting Left a message for her to call me.

Received ZOD map - ZOD off property to west of landfill - cl need contact name & address of landowner there to notify - Citrus will have to modify their (Forestry's) property record to show this ZOD (62-522(3)d+e)

Bill Kern

Mgr, Withlacoochee Forestry Ctr

18019 Broad St

Brooksville, FL 34601

352/754-6777

(continue on another sheet, if necessary)

Signature A. Amann

Title PGI

Kim - I will need to see the draft permit to change lang. on ZOD ZOD map Allison

(a) The zone of discharge modification described in (1) above shall be based upon a showing that one of the conditions in (1)(a) through (f) above has occurred.

(b) Once the party seeking the modification has established that one of the conditions in (1)(a) through (f) above has occurred, the Department shall modify the zone of discharge or monitoring requirements to assure that none of the conditions in (1)(a) through (c) above will occur, based upon the monitoring data received from the monitoring program implemented pursuant to Rule 17-520.600, F.A.C.

(c) No zone of discharge shall be modified to allow it to extend beyond the limits of the installation owner's property boundary line except as provided in (d) below.

(d) An owner of an existing installation may petition the Department in writing for a permit modification to extend its zone of discharge for certain specified water quality parameters, and the Department shall modify the installation's permit to include such extension if the owner affirmatively demonstrates that conditions 1 through 4 below are met. The permit modification procedures for an extension of a zone of discharge, including those of newspaper notice publication, shall be the same as any other permit modification procedure except that condition 5 below shall also apply.

1. The discharge shall not significantly impair any designated use of the receiving ground water, or surface water;

2. The discharge shall not in the foreseeable future result in a violation of applicable ground water standards in a currently used source of drinking water outside the zone of discharge; and

3. The discharge shall not prevent persons within the proposed zone of discharge from enjoying the reasonable and beneficial use of their property; and

4. The economic and social benefits of a zone of discharge extending beyond the property boundary outweigh the economic, environmental, and social costs resulting from the extended zone of discharge, taking into account the feasibility of preventative measures or corrective actions.

5. The Department shall provide written notice to the property owners of the property underlain by the proposed extended zone of discharge.

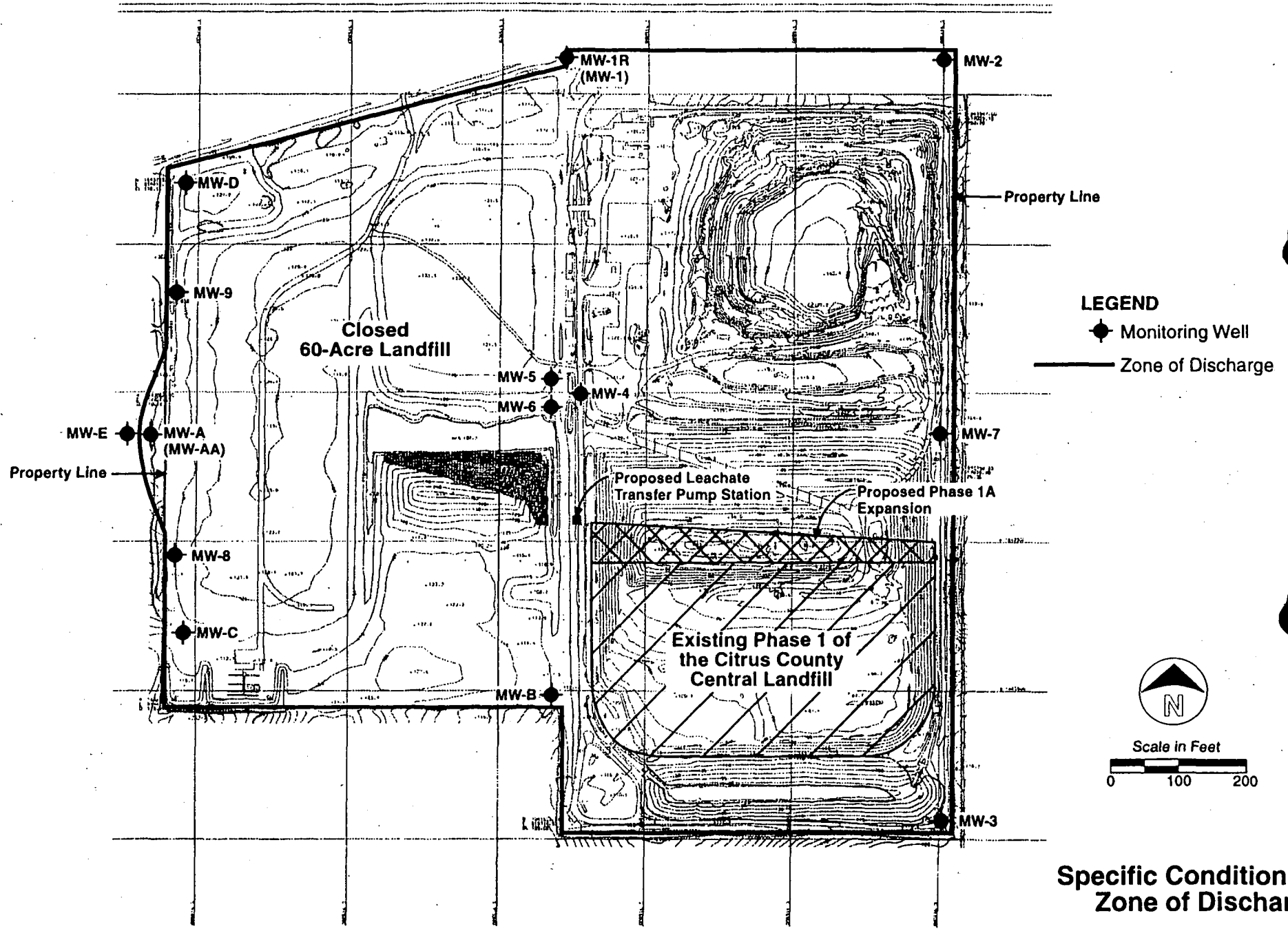
(e) If the permit modification request in (d) above is granted, it shall be recorded in the property records of the affected parcels by the recipient of the zone of discharge permit modification.

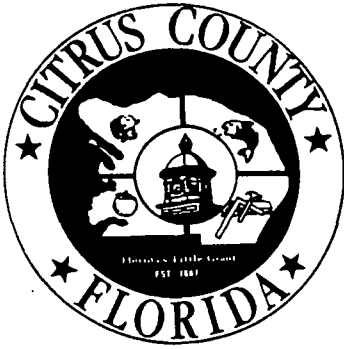
Specific Authority: 403.061, F.S.

Law Implemented: 403.021, 403.061, 403.087, 403.088, F.S.

History: Formerly 17-28.700, New 9-8-92, Amended 4-14-94.

17-522.500(3)(a) - 17-522.500(History)





Board of County Commissioners

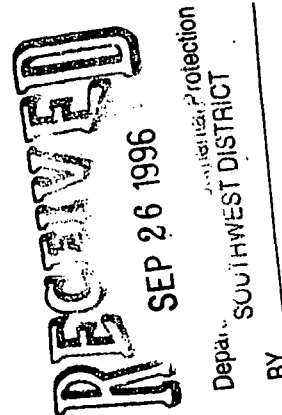
Department of Public Works

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

September 13, 1996

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

Re: Citrus County Central Landfill
Pending Operating Permit SO09-274381



Dear Mr. Ford:

The attached submittal responds to the August 13 draft operating permit, our telephone conversations of July 31, August 23, September 5 and September 10 concerning the referenced permit. This submittal includes two copies each of the operating plan prepared by CH2M Hill, the household hazardous waste program operating plan prepared by County staff, the leachate collection and treatment facilities operating plan prepared by County staff one copy each of the leachate plant and leachate holding tank operating manuals prepared by the manufacturers/installation contractors and one copy of the figure for SC 30a. The leachate collection and treatment plan is the only segment you have not previously reviewed and approved.

I believe this completes our submittal for this permit. We have reviewed the August 13 draft operating permit terms as modified by the changes discussed during the subsequent telephone conversations and find them acceptable. We look forward to concluding the process.

Sincerely,

Susan J. Metcalfe, P.G.
Director

CC: Gary Kuhl, Director, Public Works Department
Larry Haag, County Attorney
John Wood, CH2M Hill, Deerfield
Robert Butera, DEP, Tampa

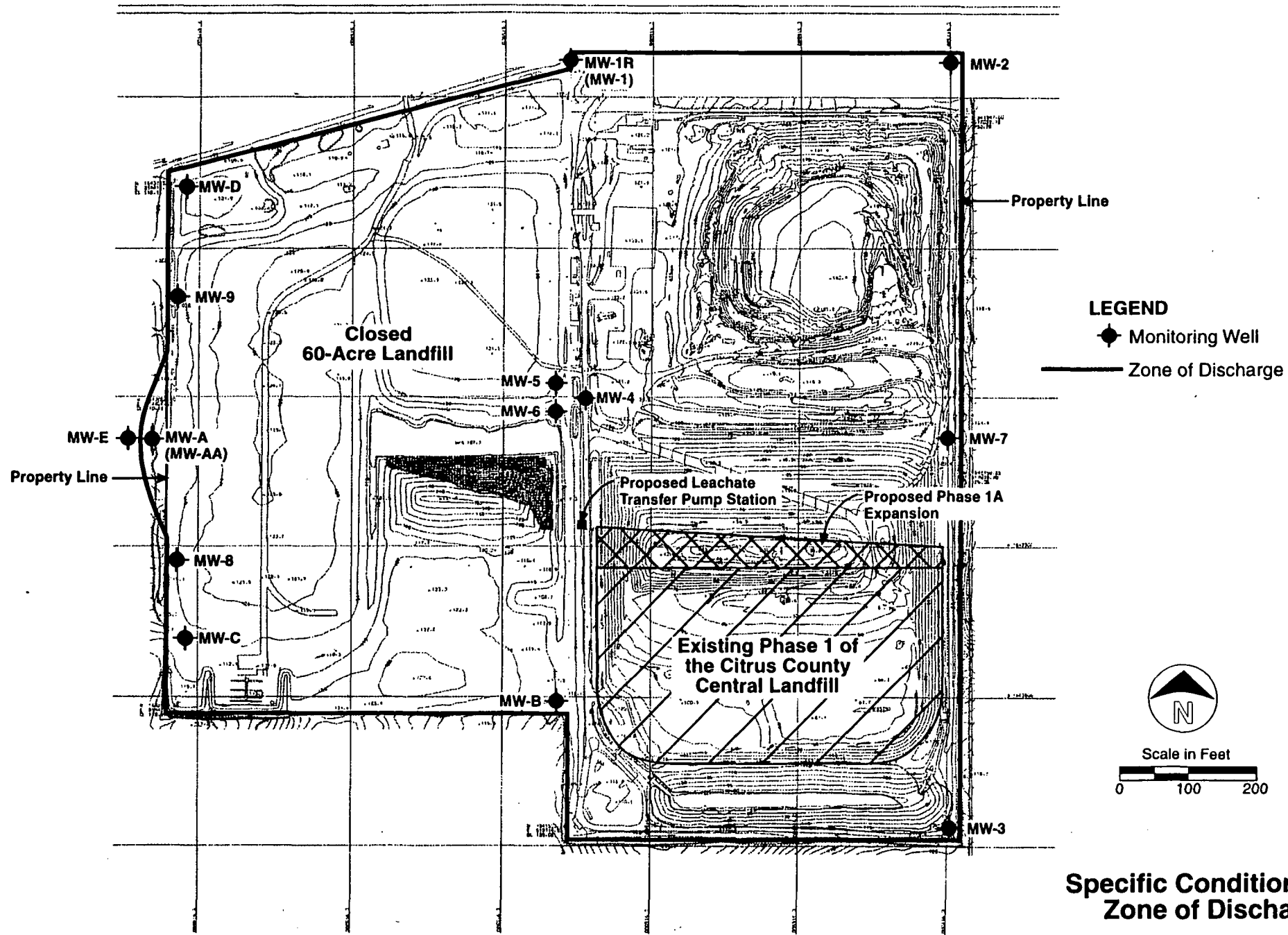
Administrative Office
Post Office Box 167
Lecanto, Florida 34460
(352) 746-4107
Fax 746-1203

Facilities Maintenance
Post Office Box 143
Lecanto, Florida 34460
(352) 527-0333
Fax 527-0654

Fleet Management
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Road Maintenance
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(352) 746-4107
Fax 746-1203

Solid Waste Management
Post Office Box 340
Lecanto, Florida 34460
(352) 746-5000
Fax 527-1204



CH2M HILL TRANSMITTAL

TO: FDEP - Tampa
3804 Coconut Palm Drive
Tampa, FL 33619

FROM: Tawny Olore, ORL
225 E. Robinson Street
Suite 405
Orlando, FL 32801

ATTN: Ms. Kim Ford

DATE: September 25, 1996

RE: Operations Plan

PROJECT NUMBER: 134202



WE ARE SENDING YOU:

ATTACHED

UNDER SEPARATE COVER VIA

SHOP DRAWINGS

◆ DOCUMENTS

TRACINGS

PRINTS

SPECIFICATIONS

CATALOGS

COPY OF LETTER

OTHER:

| QUANTITY | DESCRIPTION |
|----------|---|
| 2 Copies | Citrus County Central Landfill Phase 1 and 1A Expansion Operations Plan |
| 1 Copy | Batch PACT Leachate Treatment System Operation Manual |
| | |
| | |
| | |
| | |
| | |

IF MATERIAL RECEIVED IS NOT AS LISTED, PLEASE NOTIFY US AT ONCE

REMARKS:

COPY TO:

225 E. Robinson Street
Suite 405
Orlando, FL 32801

Voice: 407-423-0030

FAX: 407-839-5901

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/26/96 Subject GW Monitoring
Time 2:30 Permit No. 7
County Citrus
M. Susie Metcalfe Telephone No. 352/246-5000
Representing Citrus Co - DPW
☐ Phoned Me ☒ Was Called ☐ Scheduled Meeting ☐ Unscheduled Meeting
Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

Groundwater monitoring results were missing
wells MW-2 + MW-3 (4-16-96 sample event).

Field filtering - we provided the tech. guidance doc
8/95 - we have not received anything from
Citrus for the well demonstration -
- can't filter from well screened in bedrock (no wells in rock)
- haven't rec'd analytical results w/ filtered:
unfiltered pairs on representative wells, including
background (Criteria #6 in tech. guidance doc)

Susie will look into both issues. She thinks
they do have filtered: unfiltered samples

(continue on another
sheet, if necessary)

Signature

Title

A. Amann

PG

Transmit Confirmation Report

No. : 004
Receiver : 8-1-407-839-5901
Transmitter : WASTE MGT TAMPA SWDIST
Date : Sep 25 96 11:53
Time : 04'34
Mode : Fine
Pages : 06
Result : OK

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date: 9/25/96

Number of pages including cover sheet: 6

To:

TAWAY OLORE

- Cthzmtill

Phone: (407) 4230030

Fax phone: (407) 8395901

CC:

From:

Kim FORD

Phone: (813) 744-6100 x382

Fax phone: (813) 744-6125

REMARKS:

☐ Urgent

☐ For your review

☐ Reply ASAP

☐ Please comment

CITRUS T.S. Concept

Copy AS you REQUESTED

CH2M HILL TRANSMITTAL

RECEIVED
NOV 15 1995
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

TO: Solid Waste Section-FDEP
3804 Coconut Palm Drive
Tampa, FL 33619

FROM:

John J. Wood, P.E.
CH2M HILL
800 Fairway Drive, Suite 350
Deerfield Beach, FL 33441

ATTN: Kim B. Ford

DATE: November 14, 1995

RE: Citrus County - Temporary Transfer Station

PROJECT NUMBER:

WE ARE SENDING YOU:

♦ ATTACHED

UNDER SEPARATE COVER VIA

SHOP DRAWINGS

DOCUMENTS

TRACINGS

PRINTS

SPECIFICATIONS

CATALOGS

COPY OF LETTER

OTHER:

| QUANTITY | DESCRIPTION |
|----------|--|
| 1 | Information pertaining to Temporary Transfer Station |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

IF MATERIAL RECEIVED IS NOT AS LISTED, PLEASE NOTIFY US AT ONCE

REMARKS:

COPY TO:

S. Metcalfe/Citrus County
John J. Wood, P.E.
CH2M HILL
800 Fairway Drive, Suite 350
Deerfield Beach, FL 33441

Voice: 305/426-4008

FAX: 305/698-6010

RECEIVED
NOV 15 1995

Department of Environmental Protection
SOUTHWEST DISTRICT

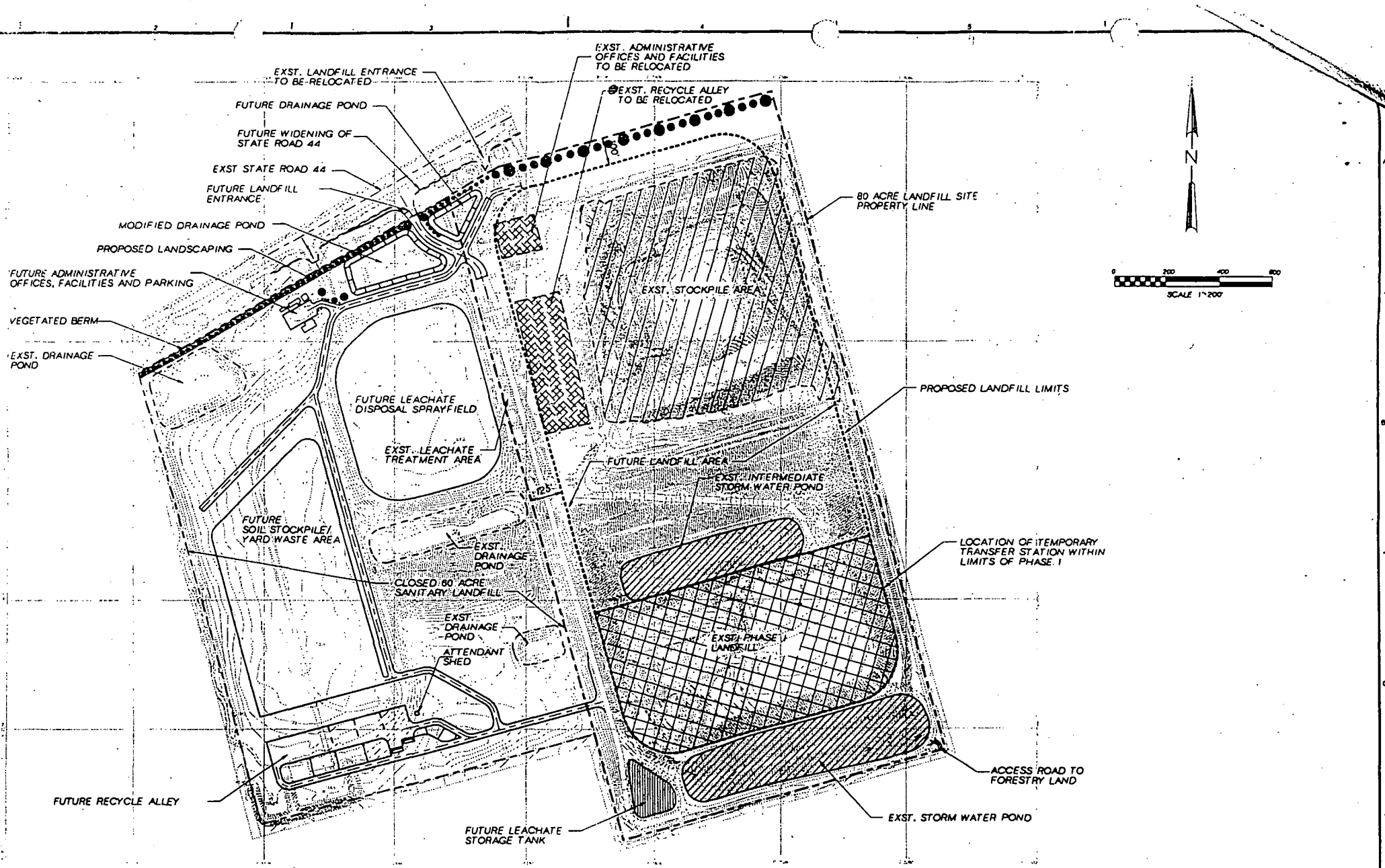
BY

Temporary Transfer Station

Citrus County will implement a temporary transfer station ~~if the existing landfill phase~~ (Phase 1) reaches capacity prior to implementation of replacement capacity. This temporary transfer station will be located on top of the existing lined landfill (Figure 1-Site Plan).

The transfer station will be constructed as a split-grade facility as shown on Figures 2 and 3. Waste collection trucks will unload on the upper level. A front loader will lift the off-loaded waste and place into transfer vehicle located on the lower level. The transfer trucks will be weighed prior to leaving the site to ensure that they are legal for over-the-road transport.

Crushed concrete and asphalt will be used as an operating surface. This provides an area for trucks to unload. Drainage will be provided by sloping the area away from the dump area to a perimeter berm. This liquid will either be allowed to percolate into waste or be collected. Collected liquid will be pumped to the leachate treatment facility. Precipitation that falls outside the perimeter berm will be managed as stormwater. Litter fences will be placed around the facility to reduce the potential for blowing litter.



BASE MAPPING PREPARED BY:
KUCERA INTERNATIONAL - INC.
AERIAL PHOTOGRAPHY TAKEN 04-01-94

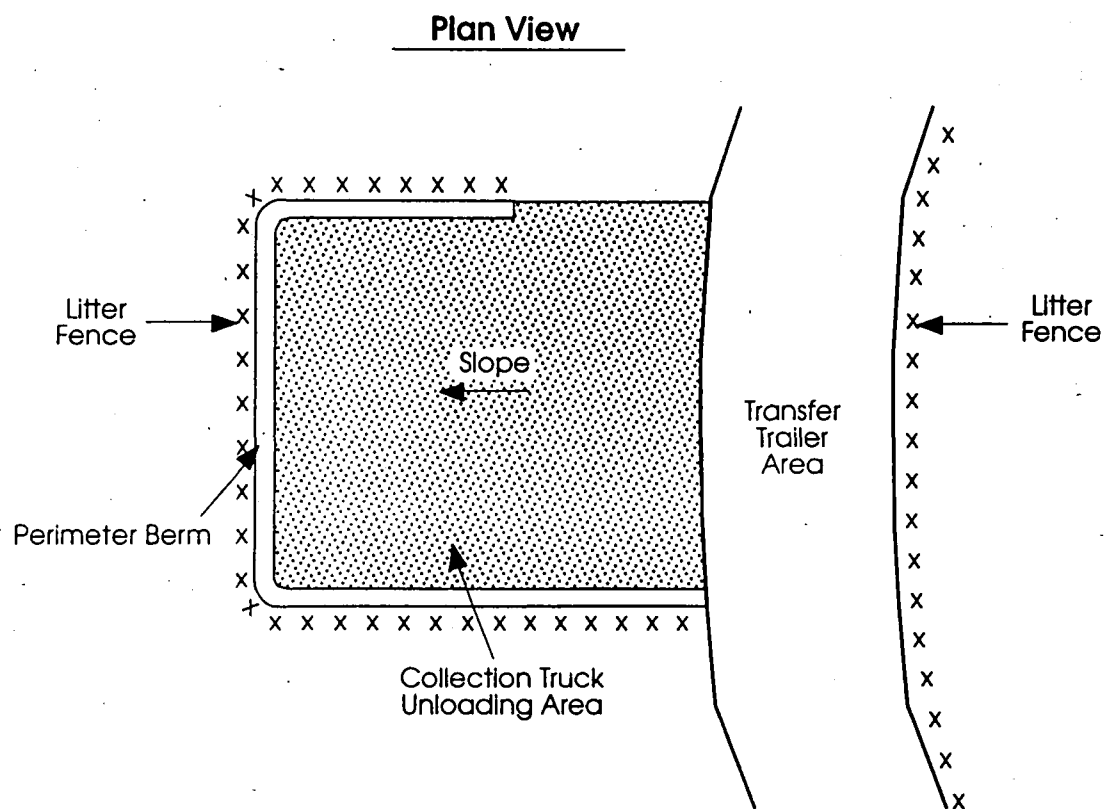


Figure 2. Plan View

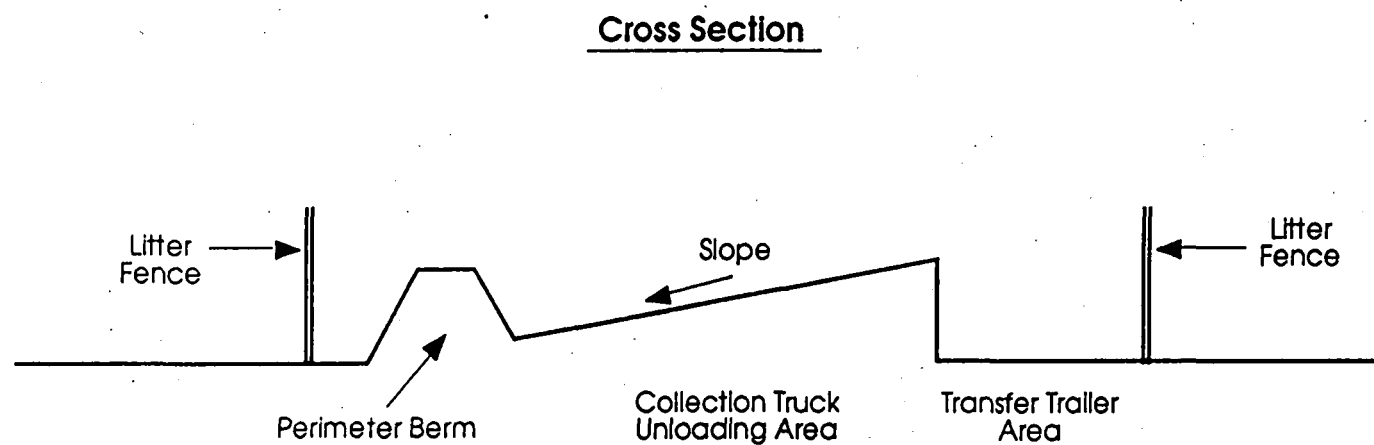
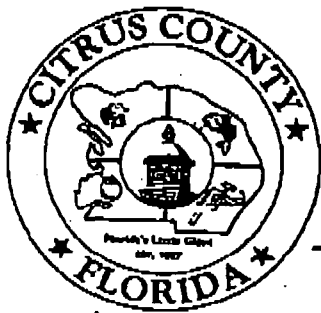


Figure 3. Cross-Section



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

Reply To:

Div. Solid Waste Mgmt.

Susan J. Metcalfe, Director

904/746-5000

FAX: 904/527-1204

TIME:

NO. PAGES:

TO:

FROM:

RE:

MESSAGE:

9/6/96

9 AM

2

including cover sheet

Kim Ford

DEP

813-744-6125

Susie Metcalfe

SWM

paint procedure

please review comment

Facilities Maintenance
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Solid Waste Management
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(904) 746-5000 Fax 527-1204

draft

Citrus County Central Landfill

Paint handling procedures.

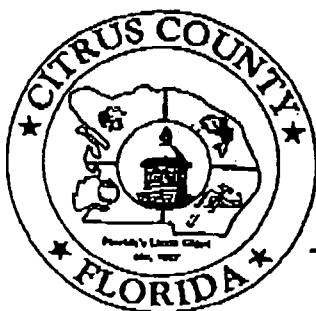
Non-latex paint received through the household hazardous waste collection program or otherwise segregated from the waste stream will be stored in a closed-top dumpster temporarily. Cans will be evacuated with a mechanical crusher into drums. The bulked paints will be disposed offsite by the County's hazardous waste contractor.

Latex paint received through the household hazardous waste collection program or otherwise segregated from the waste stream will be stored in a closed-top dumpster. This container holds approximately 150 to 200 gallon containers. Paint will first be offered for reuse to non-profit housing assistance organizations. Paint remaining for disposal will be air-dried and disposed in the following manner. Paint disposal will be performed only on days when rainfall is forecast to be 30% or less. A bermed area, approximately 20 feet square with berms approximately two feet high, will be constructed in the landfill separated from the active working area. The bermed area will be lined with light-weight plastic (approximately 6mil). A six inch thick layer of soil will be placed on top of the plastic. The dumpster will be unloaded into the bermed area and the cans will be crushed with the landfill compactor. Soil will be placed on top to assist in absorbing liquids. The paint disposal area will be inspected daily; when the material is dried, it will be incorporated into the active fill area.

what's the point in this if you're going to run over it w/ LF compactor?

I am opposed to this "method" of disposal - Although I know many facilities probably do it.

Kim.
Please discuss w/ me in the afternoon on Tuesday. Thank
Bob.



Board of County Commissioners

Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

Reply To:

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

TIME:

NO. PAGES:

TO:

FROM:

RE:

MESSAGE:

9/6/96

9 AM

2

including cover sheet

Kimford

DEP

813-744-6125

Susie Metcalfe

SWM

paint procedure

please review comment

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 9/4/96

Subject Draft SO Permit

Time 10:35

Permit No. _____

County Citrus

M. Susie Metcalfe

Telephone No. 352-746-5000

Representing Citrus

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

Susie has no questions on the SO draft permit changes faxed to her 8/28/96. She mentioned that she was still working on one issue w/ Kim, & she will be sending the ZOD map once that is resolved.

She also mentioned that EPA is drafting a ~~new~~ rule that would affect MSW landfills that dispose of leachate on-site. She can contact John Tinger, EPA @ 202/260-4992 for further info.

(continue on another
sheet, if necessary)

Signature

Amram

Title

PGI