



Jeb Bush
Governor

2905qe

Department of Environmental Protection

Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
Telephone: 813-632-7600

Colleen M. Castille
Secretary

December 21, 2005

Chairman Gary Bartell
Citrus County Board of County Commissioners
110 North Apopka Avenue
Inverness, Fl. 34450

RE: Approval of Request for 30-Day Extension of Deadline in Paragraph 10
Consent Agreement, OGC Case #05-1078

Dear Chairman Bartell:

The Department received the Citrus County Board of County Commissioners' (BOCC) December 5, 2005 (dated November 30, 2005) request for a 30-day extension of the deadline for obtaining a lease expansion agreement from the Division of Forestry/State Lands found in paragraph 10 of the Consent Agreement.

The Department does not object to the BOCC's request. The deadline to comply with paragraph 10 of the Consent Agreement was extended to January 4, 2006 by the Department's November 8, 2005 letter to the BOCC. Therefore, the new deadline to comply with paragraph 10 is **February 3, 2006**. Please note that paragraph 10 states, "if the Department grants a 30-day extension, then such 30-day extension shall automatically apply to Ordered Sections Paragraphs 11.a., 11.b., 11.c., 12.a., and 12.b."

If you have any questions, please feel free to contact me at (813) 632-7600 x 352, or Susan Pelz, P.E., our Solid Waste Program Manager, at (813) 632-7600 x 386. As you may be aware, the Department's Southwest District Office has moved. You can reach us at 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926.

Sincerely,

Deborah A. Getzoff
District Director
Southwest District

dag/sw
cc:

Ken Frink, Citrus County Public Works Director
Susan Metcalfe, Citrus County Solid Waste Management Division Director
William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

"More Protection. Less Process"

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Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

TO: Deborah A. Getzoff, Director of District Management
 James Cleary, Asst. Director of District Management
 William Kutash, Program Administrator
 OGC

W/K 12/20/05

FROM/THROUGH: *W/K* William Kutash, Environmental Administrator
Susan Pelz, Program Supervisor *12/20*
Stephanie ~~Petro~~ *Watson*, Environmental Specialist III *SW*

DATE: December 20, 2005

FILE NAME: Citrus County Central Class I and Closed Class I Landfills OGC FILE# 05-1078
PROGRAM: Solid Waste COUNTY: Citrus

TYPE OF DOCUMENT:

WARNING FINAL ORDER CASE REPORT
DRAFT OR FINAL NOV CONSENT ORDER
PENALTY AUTHORIZATION EXTENSION REQUEST APPROVAL

BRIEF DESCRIPTION: Citrus County's request for an extension of the deadline in paragraph 10, per Paragraph 10.

PENALTY SUMMARY:

ELRA PENALTY
EXTENT OF DEVIATION: POTENTIAL FOR HARM:
PENALTY AMOUNT: COST AND EXPENSES: \$3,000

TOTAL PENALTY AMOUNT: \$3,000 APPROVED BY SECRETARY: N/A

Watson, Stephanie M.

From: Pelz, Susan
Sent: Monday, December 05, 2005 3:36 PM
To: 'Susan Metcalfe'
Cc: Watson, Stephanie M.; Morgan, Steve
Subject: RE: Consent agreement activities

Susie,

We discussed it Friday & Deborah was ok with it. We will be drafting a letter extending the deadlines based on Forestry's letter (a total of 180 days' extension). Stephanie will be drafting it, but you may not get it for a few weeks due to the move.

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

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, December 05, 2005 3:29 PM
To: Pelz, Susan
Cc: Glenn McCracken; Watson, Stephanie M.; John Morris
<john.r.morris@dep.state.fl.us>
Subject: Consent agreement activities

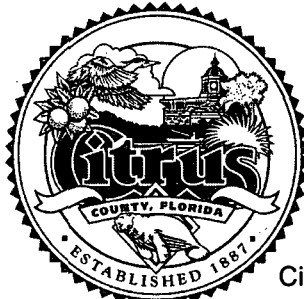
Susan,

I just wanted to check up with you on whether Deborah Getzoff is favorably considering our request for an extension of the time frame to have the sublease required in our consent agreement.

Field work will be complete this week and preliminary results look encouraging.

Forestry and the County are going to meet next week to discuss the results and what we expect to be the followup activities. I expect they will move forward with getting the lease language reviewed in their shop now.

Susie

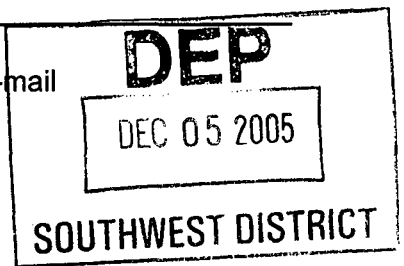


Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

November 30, 2005

also transmitted via e-mail



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

Re: Citrus County Central Landfill
Permit No. 21375-008-SO/01
Consent Agreement OGC File No. 05-1078

Ms. Pelz:

Citrus County continues to make progress on the required activities outlined in the referenced Consent Agreement. Groundwater investigation wells MW-10 through MW-17 have been installed, developed, sampled, and slug-tested. Analytical results are expected within a few days. Gas probes GP1 through GP 12 have been installed and no gas has been detected. Wells GP 13-18 will be installed next week. At the staff level, the County and Forestry have mutually agreed to the terms of the sublease, including land donation, herbicide purchase and road base material to be purchased by the County for Forestry. The County anticipates being in compliance with all requirements of CA Paragraphs 6, 7, 8, and 9 by the January 4, 2006 deadline.

However, we have received a verbal request from the Division of Forestry that will preclude having a fully executed sublease agreement in hand by the January 4 (90-day) deadline. Forestry would like to review the results of the initial investigation and be informed if there is a need for additional activity in the sublease area. Forestry is not a signatory to the Consent Agreement and is not bound to the schedule. They have indicated that they will continue to work with the County towards final execution of the sublease as quickly as possible. We understand that Forestry staff is currently drafting the terms of the agreement. However, should any changes from the current boundaries be needed in order to complete the groundwater investigation, they would prefer to go through the sublease process only one time. Please bear in mind the County does not have any control on the internal requirements of the Division of Forestry. We do not know at this time whether any additional area would be needed. That will depend partly upon what the Department-approved approach is to the applicable portions of 62-780.

After the terms of the sublease are finalized (and agreed to by the County), Forestry forwards the sublease proposal to the Division of State Lands (part of the Department of Environmental Protection) for preparation of the actual agreement that is approved and executed by the Governor and Cabinet sitting as the Trustees of the Internal Improvement Trust Fund (TIIF), the owners of all state lands. It is our understanding that body meets infrequently. The County does not have any control on the scheduling of the administrative portion of the agreement. In addition, to execution by the TIIF, the BOCC must execute the agreement. According to Forestry staff, even with all agencies moving forward as quickly as

Susan Pelz
November 30, 2005
Page 2

possible, we will not be able to meet the Consent Agreement deadline for having the signed agreement in hand. They were unable to give us an exact timetable. We will refine the exact amount of time involved in this request as more information becomes available to us.

Paragraph 10 allows a 30-day extension of the deadline for obtaining the sublease at the discretion of the Department (FDEP). Please consider this a formal request to implement that extension, based on progress to date and the parties' intent to move forward as quickly as possible. This would move the deadline for obtaining the sublease agreement to February 3, 2006.

Further, the County also requests that, if progress is still being made on the sublease agreement by the January 4 (perhaps extended to February 3) deadline, the Department consider applying Paragraph 16 to this element of the Consent Agreement. The County made your office aware of the Forestry request via phone call (November 1) and during a meeting at your office November 9 which included John Morris and Steve Morgan and again via e-mail on November 17, which should have served as timely notice as required by paragraph 16, of a situation over which the County has no reasonable control.

There are two primary impacts, found in the language of Paragraph 12, that the County wishes to avoid. First is the requirement to conduct all groundwater assessment investigations from the existing wells (MW-AA, -B, -C, -D, -8R and -9). We feel that this will provide a poor representation of groundwater conditions as compared with the ability that we have via the current Forestry Use Permit that allows access to the 300-foot proposed sublease area for installation of wells. Use of MW-10 through -17 and additional wells that may be indicated by the requirements of 62-780 will provide a much more accurate definition of the extent of the previously reported groundwater exceedences that have been detected. We feel it is in the best interests of the people of Citrus County and the State to have better information so that remedial actions may be more appropriate.

The second impact we would prefer to avoid is the requirement to install gas control equipment, according to the requirements set by the deadline in Paragraph 10, and then soon thereafter to obtain the sublease that would likely negate the requirement for that expense.

We understand that Forestry is sending you a letter explaining their position on this subject. Thank you for your timely consideration on this matter. As always, we are willing to meet with FDEP staff, in person or by telephone to discuss this issue further. Hopefully your consideration of our extension request will be favorable.

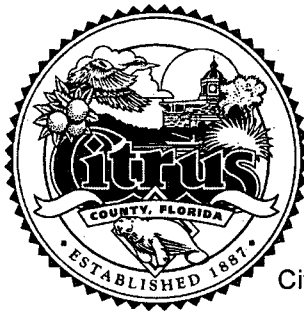
Yours truly,



Susan J. Metcalfe
Director

SM

CC: Glenn McCracken, Director, Public Works Department
Tom Dick, Assistant County Administrator
John Banks, SCS Engineers, Tampa
John Locklear, JEA, Gainesville
David Speake, Division of Forestry, Tallahassee



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

P.O. Box 340, Lecanto, Florida 34460

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

email: landfillinfo@bocc.citrus.fl.us

TDD Telephone: (352) 527-5303

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

DEP

DEC 02 2005

SOUTHWEST DISTRICT

November 30, 2005

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

RE: Citrus County BOCC Reorganization/Administrative Changes

Dear Ms. Pelz:

Be advised that on November 15, 2005, the Citrus County Board of County Commissioners approved the following reorganization:

Chairman – Gary Bartell
1st Vice Chairman – Jim Fowler
2nd Vice Chairman – Dennis Damato
Commissioner – Vicki Phillips
Commissioner – Joyce Valentino

There have also been changes within the Administrative structure of the County. They are listed below.

Assistant County Administrator - Thomas H. Dick
Public Works Director – Glenn McCracken
Assistant Public Works Director – Bruce Bates

Sincerely,

Claire M. Smith,
Citrus County Solid Waste Management

Watson, Stephanie M.

From: Pelz, Susan
Sent: Tuesday, November 29, 2005 6:50 AM
To: Watson, Stephanie M.; Morris, John R.
Subject: FW: landfill gas monitoring

fyi

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, November 28, 2005 2:47 PM
To: Pelz, Susan
Cc: Glenn McCracken; Morgan, Steve
Subject: landfill gas monitoring

Susan,

This is to provide a preliminary report that gas probe GS1-E on the east side of the active landfill showed a methane concentration of over 5% when it was tested for regular quarterly monitoring last week. This is the first day our office has been open since the monitoring event. We will forward a written notification this week.

The gas investigation prescribed in the consent agreement is under way.

Susie Metcalfe

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

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

Watson, Stephanie M.

From: Pelz, Susan
Sent: Monday, November 21, 2005 8:07 AM
To: 'Susan Metcalfe'
Cc: Watson, Stephanie M.; Getzoff, Deborah; Morgan, Steve; Morris, John R.
Subject: RE: Forestry request

Susie,

The County has received approval for an extension of the deadlines in Paragraphs 8, 9, 10, 11 and 12 of 16 days (new deadline is January 4, 2006). The Department granted this request based on the access agreement delays. However, the Department contemplated (and discussed with the County at length) that forestry may not give the County a lease extension in a short period of time (if at all), and the CA was written such that the assessment work should proceed regardless of forestry's actions concerning the lease extension.

The Department did not anticipate forestry's hesitation in allowing access for the initial assessment work, and therefore granted the County's request for extension of the CA deadlines.

However, since forestry's action/inaction concerning the lease extension was contemplated by the Department, I do not believe that this can be considered a circumstances beyond the County's control and allow delays based on Paragraph 16. Consequently, the County should proceed with the assessment and corrective actions required by Paragraph 12 in the timeframes as previously approved.

If you have any questions, please call or email.

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

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, November 17, 2005 5:00 PM
To: Pelz, Susan
Subject: Forestry request

Susan,

Have you had a chance to evaluate whether the CA language will allow the modification request made to the County to allow Forestry/State Lands to delay issuance of the lease until after the results of the investigation are known, so that the "next step" program can be defined. They don't want to have to modify this sublease twice and if we need to do more investigation, they want that included.

Susie

Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

TO: X Deborah A. Getzoff, Director of District Management
 _____ James Cleary, Asst. Director of District Management
 _____ William Kutash, Program Administrator
 _____ OGC

FROM/THROUGH: WK William Kutash, Environmental Administrator
 Susan Pelz, Program Supervisor SP 11/8/05
 Stephanie Petro, Environmental Specialist III SP 11/8/05

DATE: November 8, 2005

FILE NAME: Citrus County Central Class I and Closed Class I Landfills OGC FILE# 05-1078
 PROGRAM: Solid Waste COUNTY: Citrus

TYPE OF DOCUMENT:

WARNING _____ FINAL ORDER _____ CASE REPORT _____
 DRAFT _____ OR FINAL _____ NOV _____ CONSENT ORDER _____
 PENALTY AUTHORIZATION _____ EXTENSION REQUEST APPROVAL X

BRIEF DESCRIPTION: Citrus County's request for an extension, per Paragraph 16, of all of the 90-day deadlines in the Consent Agreement. *(This letter is to correct a typographical error.)*

PENALTY SUMMARY:

ELRA PENALTY _____
 EXTENT OF DEVIATION: _____ POTENTIAL FOR HARM: _____
 PENALTY AMOUNT: _____ COST AND EXPENSES: \$3,000

TOTAL PENALTY AMOUNT: \$3,000 APPROVED BY SECRETARY: N/A



Jeb Bush
Governor

2905q2

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

November 8, 2005

Chairwoman Vicki Phillips
Citrus County Board of County Commissioners
110 North Apopka Avenue
Inverness, Fl. 34450

RE: Date Correction
Approval of Request for Extension of Deadlines in Consent Agreement
Consent Agreement, OGC Case #05-1078

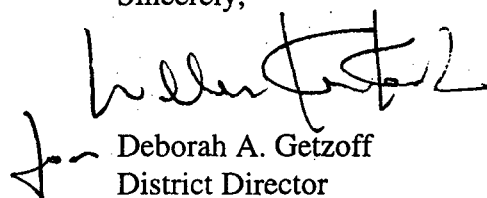
Dear Chairwoman Phillips:

The Department received the Citrus County Board of County Commissioners' (BOCC) October 13, 2005 (dated October 10, 2005) request, per Paragraph 16, to extend "all of the 90-day deadlines" in the above-referenced Consent Agreement by 16 calendar days.

The Department does not object to the County's request for an extension of the 90-day deadlines in the Consent Agreement. The effective date of the Consent Agreement, which is September 20, 2005, will remain the same. However, the new deadline to comply with Paragraphs 8, 9, 10, 11, and 12 is **January 4, 2006** (the previous deadline was December 19, 2005).

If you have any questions, please feel free to contact me at (813) 744-6100 x 352, or Susan Pelz, P.E., our Solid Waste Program Manager, at (813) 744-6100 x 386.

Sincerely,



Deborah A. Getzoff
District Director
Southwest District

dag/msp

cc: Ken Frink, Citrus County Public Works Director
Susan Metcalfe, Citrus County Solid Waste Management Division Director
William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

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Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, November 07, 2005 8:41 AM
To: Pelz, Susan
Subject: revised CA deadline

Susan,

I am going to assume that the letter from Deborah Getzoff extending the CA deadline is January 4 2006 rather than 2005. Since this is an official document, could we please have a corrected letter?

Susie

Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

10/26/05

TO: Deborah A. Getzoff, Director of District Management
 James Cleary, Asst. Director of District Management
 William Kutash, Program Administrator
 OGC

FROM/THROUGH: *MA* William Kutash, Environmental Administrator
Susan Pelz, Program Supervisor *10/25/05*
Stephanie Petro, Environmental Specialist III *10/25/05*

DATE: October 25, 2005

FILE NAME: Citrus County Central Class I and Closed Class I Landfills OGC FILE# 05-1078
PROGRAM: Solid Waste COUNTY: Citrus

TYPE OF DOCUMENT:

WARNING FINAL ORDER CASE REPORT
DRAFT OR FINAL NOV CONSENT ORDER
PENALTY AUTHORIZATION EXTENSION REQUEST APPROVAL

BRIEF DESCRIPTION: Citrus County's request for an extension, per Paragraph 16, of all of the 90-day deadlines in the Consent Agreement.

PENALTY SUMMARY:

ELRA PENALTY _____
EXTENT OF DEVIATION: _____ POTENTIAL FOR HARM: _____
PENALTY AMOUNT: _____ COST AND EXPENSES: \$3,000

TOTAL PENALTY AMOUNT: \$3,000 APPROVED BY SECRETARY: N/A



Jeb Bush
Governor

Department of Environmental Protection

290592

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

October 27, 2005

Chairwoman Vicki Phillips
Citrus County Board of County Commissioners
110 North Apopka Avenue
Inverness, FL 34450

RE: Approval of Request for Extension of Deadlines in Consent Agreement
Consent Agreement, OGC Case #05-1078

Dear Chairwoman Phillips:

The Department received the Citrus County Board of County Commissioners' (BOCC) October 13, 2005 (dated October 10, 2005) request, per Paragraph 16, to extend "all of the 90-day deadlines" in the above-referenced Consent Agreement by 16 calendar days.

The Department does not object to the County's request for an extension of the 90-day deadlines in the Consent Agreement. The effective date of the Consent Agreement, which is September 20, 2005, will remain the same. However, the new deadline to comply with Paragraphs 8, 9, 10, 11, and 12 is **January 4, 2005** (the previous deadline was December 19, 2005).

If you have any questions, please feel free to contact me at (813) 744-6100 x 352, or Susan Pelz, P.E., our Solid Waste Program Manager, at (813) 744-6100 x 386.

Sincerely,

Deborah A. Getzoff
District Director
Southwest District

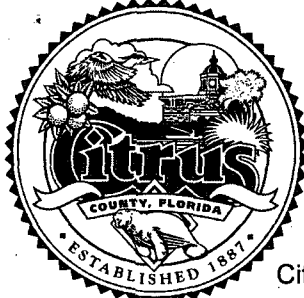
dag/msp

cc: Ken Frink, Citrus County Public Works Director
Susan Metcalfe, Citrus County Solid Waste Management Division Director
William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

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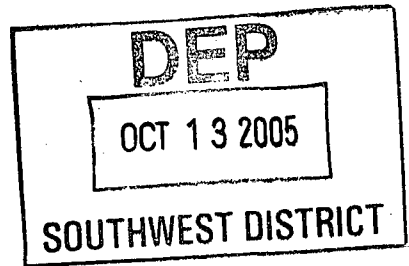


Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

October 10, 2005

Susan J. Pelz, P.E. *10/13*
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Citrus County Central Landfill
Permit No. 21375-008-SO/01
Consent Agreement OGC File No. 05-1078

Ms. Pelz:

This letter is a request to extend the timetables in the Consent Agreement by 16 calendar days, due to delays beyond our control. It also provides an update to you on the timetable and status of our activities related to the referenced Consent Agreement.

On October 4, the Division of Forestry agreed to separate the access and sublease negotiations related to this project. They issued a special use permit for access to Withlacoochee State Forest lands on October 6. We are still negotiating with Division of Forestry on terms of the sublease agreement. We do not yet have a timetable from Forestry on completing the sublease. We intend to begin investigation activities as soon as sufficient access for the drill rigs has been cleared.

Attachment 1 lists the activities to date related to obtaining access and a sublease from Forestry. Whereas the County understands that the consent agreement compliance clock started September 20, 2005 and that Paragraph 16 requires that such written request and documentation be made within seven calendar days of knowledge of a situation that has a reasonable likelihood of causing a delay, we sent a letter to you on September 15 (copy attached) informing you of this situation. The County is now requesting an extension of 16 calendar days (September 20 through October 6) to the consent agreement timetable. This would result in an extension for all of the 90-day deadlines from Monday December 19 to Wednesday January 4 2006.

Thank you for your timely consideration on this matter.

Yours truly,

Susan J. Metcalfe
Director

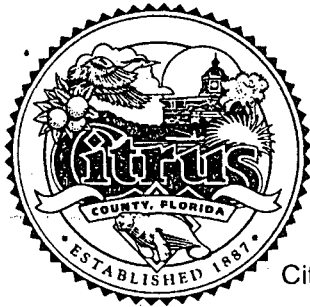
CC: Glenn McCracken, Director, Public Works Department
Tom Dick, Assistant County Administrator
John Banks, SCS Engineers, Tampa
John Locklear, JEA, Gainesville

ATTACHMENT 1
10/10/05 LETTER TO SUSAN PELZ

The list below provides the detail of actions on our part and our assertion of the delays, as required by Paragraph 16 of the Consent Agreement, and which the Department may use to allow extending the timetable.

- June 29, 2005 - The County and the local Forestry Office (Withlacoochee Forestry Center) staff members began discussions on the topic. The County requested a meeting.
- July 1 - Meeting at which the County introduced the concept of investigations being conducted offsite. After the details of the investigations were known, the County provided those documents to Forestry, in the form of the consultants' proposals.
- July 19 - Meeting at which both the details of the investigation plan and the tight time frame in the (proposed) consent agreement were presented to Forestry.
- July 21 - County sent to Forestry all of the paperwork they had indicated would be needed in order to process our request for access and sublease. The County's understanding at that point in time was that access could be granted at the local level and could be completed much more quickly than completion of the sublease agreement.
- July 26 - The BOCC approved the Consent Agreement, along with the contracts for SCS Engineers and Jones, Edmunds & Associates to perform the required investigations.
- August 10 - The County inquired of Forestry how soon access could be obtained and learned several days later that access and sublease activities would be linked.
- August 25 - One month after the CA was approved, the County again inquired of the timeline for Forestry action.
- August 26 - The County requested a copy of the Forestry proposal for sublease terms.
- August 29 - The County again requested information on the details of the proposed terms of the sublease, urged expedited action and a timetable for that process. Sublease proposal was received later that day.
- August 30 - County requested information on Forestry's timetable again. After review of the proposed terms, the County found that the major parcel requested by Forestry was not available for trade.
- August 31 - County conveyed information on parcel availability to Forestry.
- September 2 - County confirmed and sent to Forestry information on parcel requested as trade for sublease along with information on the project for which that parcel is being used.
- September 6 - County again requested information from Forestry on timetable, procedures, and feedback on the alternates that would be acceptable for the trade parcel. County requested separation of access and sublease agreements. County begins search for alternate parcel(s) of property to trade.
- September 12 - County again requested information on the timetable for Forestry to process our request.
- September 14 - County returns Consent Agreement to FDEP.
- September 20 - FDEP executes Consent Agreement, starting the time clock.

- September 22 – County informed Forestry that list of trade parcels was completed and requested feedback on acceptable alternate lease terms.
- September 27 – County reiterates request to split access and sublease terms and to reopen discussion on sublease terms, local Forestry office had no reply from Tallahassee office.
- October 4 – Local Forestry office, with direction from Tallahassee, agrees to reopen discussion on sublease terms and issue access agreement prior to completing negotiations. List of all available alternate parcels for swap from County inventory provided to Forestry for review. Adjustment of value on herbicide and road material discussed.
- October 6 – Special use permit for access to investigation areas issued.



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

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303

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

**30
DAY
FILE**

September 15, 2005

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

Re: Citrus County Central Landfill
Consent Agreement OGC File No. 05-1078

Ms. Pelz:

The County has executed and returned the referenced consent agreement to Ms. Getzoff for execution by the Department, along with a request for assuring both agencies have the required file copies. The letter to Ms. Getzoff also has attached the proof of advertising that was required by the terms of the agreement. Her office has already received the payment (\$3,000) for administrative costs. The County believes that this completes the initial paperwork requirements of the agreement and starts the time clock effective with Department execution of the document.

We are still negotiating with Division of Forestry on terms of the access and sublease agreement, which will be required for the County to perform investigations offsite as described in Exhibits A and B to the Consent Agreement. Although we have discussed this status via phone and e-mail previously, this will serve as our official notice to the Department that those negotiations have not progressed as quickly as we had hoped. Although we do not know the extent to which this delay will impact the actual Consent Agreement schedule, we believe that there is a reasonable likelihood that the inaction on the part of Forestry, over which we have no control, will cause a delay.

Mr. Wesch's office is requesting a meeting with Ms. Getzoff to discuss this issue, its implications for the terms and schedule of the consent agreement and any assistance that the Department may be able to offer in expediting the process at Forestry.

Yours truly,

Susan J. Metcalfe
Director

CC: Tom Dick, Interim Director, Public Works Department

MSP 10/20/05

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 10/6/05 Subject Citrens Co LF
Time 1022A 14min Permit No. _____
County _____

M Steve Jennings ~~Bureau Chief~~ Telephone No. 850-414-9927
Representing Forest Mgmt

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

Other Individuals Involved in Conversation/Meeting 850-414-9910
David Sprake ⁴¹⁴⁻⁹⁹¹⁵ State Lands Spv. John Brown ^{Land Acquisition} Atchafalaya

Summary of Conversation/Meeting _____

- real issue: _____ don't know plume
 - w/o knowing extent of impacts don't know how much expansion is needed
 - they are comfortable that wells will be in place in 90 days
 - after we get data & Co submits CAR, then we'll know what mitigation (remediation) needs to occur
 - iterative process, but gas is more straightforward
- (Wimpy Schriver 352 754-6777 x120 (local Forestry contact))

(continue on another sheet, if necessary)

Signature [Signature]
Title PE III

Petro, Stephanie

From: Pelz, Susan
Sent: Thursday, October 06, 2005 7:31 AM
To: Galbraith, Bret; Morgan, Steve; Morris, John R.; Nichols, Danielle; Petro, Stephanie; Yasin, Mohamed
Subject: FW: News Articles - October 5, 2005

County gets OK for monitoring wells, ending weeks of red tape

By Terry Witt

After weeks of permitting gridlock, Citrus County landfill officials were given verbal permission Tuesday to begin installing pollution monitoring wells at the edge of the Withlacoochee State Forest.

The county is under a Florida Department of Environmental Protection order to determine whether methane and chemicals leaking from two old landfill cells is migrating onto state forestland. The wells have to be installed as soon as possible to meet a state deadline.

Approval had been delayed when the Florida Division of Forestry insisted the county donate 58-acres of land adjoining the southeast corner of the forest in exchange for using state property bordering the landfill for the monitoring wells.

However, Keith Mousel, regional forest administrator, said he withdrew the request for the 58-acre land swap after meeting with Solid Waste Division Director Susie Metcalfe at her office and confirming the parcel wasn't available for trade.

Mousel said the 58-acre tract is part of a different land swap between the county and state, and he said the county wasn't interested in calling off the other pending land deal.

Mousel said he told Metcalfe the county would be issued a special-use permit to install monitoring wells on Withlacoochee State Forest land adjoining the landfill. He said the county could start the process while a sublease is worked out.

"We've given them authority to access the forest," Mousel said.

As part of the deal, the county will agree to provide the state herbicide for suppression of invasive plants in the forest, and provide limerock for stabilizing forest roads. The county will agree to give the forestry division lots it owns in the Homosassa Villa subdivision.

Part of the subdivision was platted in swamps, Mousel said. When property taxes on the lots were not paid, the land reverted to county ownership. Mousel is hoping to get enough of the lots to give the state a continuous land connection from U.S. 19 to the Homosassa Tract of the Withlacoochee State Forest.

The county also received its long awaited operating permit from DEP Tuesday, clearing the way for the use of the county's new 6-acre lined landfill cell. DEP had withheld the operating permit while the county attempted to negotiate a sublease for the monitoring wells with the Division of Forestry.

But the county began running out of space in the old cell. Garbage was piled at least 50 feet in the air as the county negotiated with the Division of Forestry. But Metcalfe said the county would begin filling the new cell on Thursday. The \$5 million cell is 1,100-feet wide and 200 feet long, she said.

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County can use landfill addition

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

CATHERINE E. SHOICHET
Published October 5, 2005

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

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

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

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

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

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

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

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

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

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

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

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

"Please intervene and resolve the right of entry and access on forest lands where the county can comply with edicts from the Department of Environmental Protection," he wrote. "I am confident that the county will work in every way possible to facilitate an equitable land exchange."

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

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

Catherine E. Shoichet can be reached at 860-7309 or cshoichet@sptimes.com

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Teleconf

Susan Pelz Deborah Getzoff
Cary Bartell, Glenn McCarden, Tom Dick

10/3/05

Want assistance w/ Forestry re: land swap
Facilitate

~~land~~ "swap"

Forestry won't allow access
Keith Mousel - local
Steve Bohl - TAL

Citrus hrs called Steve Bohl, but hasn't returned call
we will call Steve Bohl (out of office this week)
(contact for county is Tom Dick)

850-414-9914
called
10/3/05 2:14pm

Steve Bohl (Bureau of Forest Management) 850-488-6611
Steve Jennings - DAG called & LM

RE/MAX
Joy Billy GRI
1-888-850-8645
504 NE Hwy. 19
Crystal River, Florida 34429

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Garbage piles up as county wades through red tape

By Terry Witt

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

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

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

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

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

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

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

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landfill on three sides.

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

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

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

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

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

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

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Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Friday, September 16, 2005 2:32 PM
To: Pelz, Susan
Cc: Thomas Dick; jlocklear@jea.net; jbanks@scsengineers.com
Subject: status inquiry

Susan,

When we last talked, on the 8th, you indicated that you expected to have the Phase 2 construction certification approval ready this week. How close is that document to being issued?

The County delivered the Consent Agreement to Ms. Getzoff on the 14th, which should remove the last impediment on your side to issuing the operating permit. We are ready to look at the draft permit language. When will that be available?

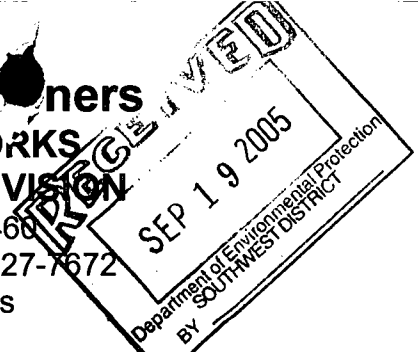
We have scheduled a meeting including Mr. Wesch, Mr. Dick and myself with Ms. Getzoff (and I assume you and/or other solid waste department staff) for October 4. We will be wanting to discuss the delays in getting access, whether the Department can encourage Forestry to move more quickly and procedures for formalizing our likely requests for time extensions based on our observation that the timetable is likely to be delayed. Other issues may be the details of the alternate investigation scenarios. Obviously if we don't have the Phase 2 approval and permit by that time, we will want to discuss those as well.

Susie



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

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120



September 15, 2005

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

Re: Citrus County Central Landfill
Consent Agreement OGC File No. 05-1078

Ms. Pelz:

The County has executed and returned the referenced consent agreement to Ms. Getzoff for execution by the Department, along with a request for assuring both agencies have the required file copies. The letter to Ms. Getzoff also has attached the proof of advertising that was required by the terms of the agreement. Her office has already received the payment (\$3,000) for administrative costs. The County believes that this completes the initial paperwork requirements of the agreement and starts the time clock effective with Department execution of the document.

We are still negotiating with Division of Forestry on terms of the access and sublease agreement, which will be required for the County to perform investigations offsite as described in Exhibits A and B to the Consent Agreement. Although we have discussed this status via phone and e-mail previously, this will serve as our official notice to the Department that those negotiations have not progressed as quickly as we had hoped. Although we do not know the extent to which this delay will impact the actual Consent Agreement schedule, we believe that there is a reasonable likelihood that the inaction on the part of Forestry, over which we have no control, will cause a delay.

Mr. Wesch's office is requesting a meeting with Ms. Getzoff to discuss this issue, its implications for the terms and schedule of the consent agreement and any assistance that the Department may be able to offer in expediting the process at Forestry.

Yours truly,
Susan J. Metcalfe

Susan J. Metcalfe
Director

CC: Tom Dick, Interim Director, Public Works Department

Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

TO: X Deborah A. Getzoff, Director of District Management
 James Cleary, Asst. Director of District Management
 William Kutash, Program Administrator
 OGC

9/15

FROM/THROUGH: *WK* William Kutash, Environmental Administrator
Susan Pelz, Program Supervisor
Stephanie Petro, Environmental Specialist III

9/15/05
NSP 9/15/05

DATE: September 15, 2005

FILE NAME: Citrus County Central Class I and Closed Class I Landfills OGC FILE# 05-1078
PROGRAM: Solid Waste COUNTY: Citrus

TYPE OF DOCUMENT:

WARNING FINAL ORDER CASE REPORT
DRAFT OR FINAL X NOV CONSENT ORDER
PENALTY AUTHORIZATION CONSENT AGREEMENT X

BRIEF DESCRIPTION OF VIOLATION: Exceedances of ground water standards and exceedances of the landfill gas criteria at or beyond the landfill property boundary.

SUMMARY OF CORRECTIVE ACTIONS: Install assessment ground water monitoring wells and landfill gas probes, submit monitoring reports to Department, conduct further assessment, if appropriate; pay Department costs.

PENALTY SUMMARY:

ELRA PENALTY
EXTENT OF DEVIATION: POTENTIAL FOR HARM:
PENALTY AMOUNT: COST AND EXPENSES: \$3,000 **PAID**

TOTAL PENALTY AMOUNT: \$3,000 APPROVED BY SECRETARY: N/A

Final Consent Agreement #05-1078

SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

Ms. Susan Metcalfe, P.G., Director
 Citrus County Dept. of Public Works
 Division of Solid Waste Management
 230 W. Gulf to Lake Hwy.
 Lecanto, FL 34461

2. Article Number

(Transfer from service label)

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X *Susley Cole*

Agent

Addressee

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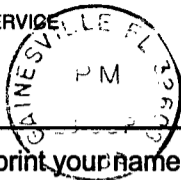
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Department of Environmental Protection
Southwest District
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Tampa, Florida 33619-1352

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Department of Environmental Protection
BY _____
SOUTHWEST DISTRICT

Stephanie Petro / Solid Waste

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Ms. Vicki Phillips, Chairwoman
Citrus County BOCC
Citrus County Courthouse
110 No. Apopka Avenue, #100
Inverness FL 34450

2. Article Number

(Transfer from service label)

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Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

September 21, 2005

CERTIFIED MAIL 7002 3150 0003 8463 3353
RETURN RECEIPT REQUESTED

Chairwoman Vicki Phillips, District 2
Citrus County Board of County Commissioners
110 North Apopka Avenue
Inverness, Florida 34450

RE: Final Consent Agreement #05-1078
Citrus County Central Class I Landfill and Closed Class I Landfill
S.R. 44, Lecanto
Citrus County

Dear Ms. Phillips:

Enclosed please find a copy of the above-referenced executed Consent Agreement. The effective date of the Consent Agreement is September 20, 2005. The Department received the County's payment of \$3,000 for costs and expenses on August 15, 2005.

If you have any questions, please call me at (813) 744-6100, ext. 451. Your efforts in the resolution of this case are appreciated.

Sincerely,

Stephanie Petro

Stephanie Petro
Solid Waste Enforcement Coordinator
Southwest District

Enclosure: Consent Agreement #05-1078

cc:

William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa
Steve Morgan, FDEP Tampa
John Morris, P.G., FDEP Tampa
Ken Frink, Citrus County Public Works Director
Keith Mousel, Division of Forestry, Brooksville

cc w/ certified enc: Susan Metcalfe, Citrus County Solid Waste Management Division Director /#7002 3150 0003 8463 3360

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BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

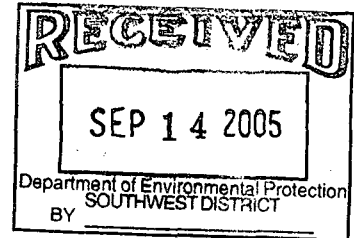
IN THE OFFICE OF THE
SOUTHWEST DISTRICT

Complainant,
vs.

OGC FILE NO. 05-1078

Citrus County
Board of County Commissioners,

Respondent.



CONSENT AGREEMENT

This Consent Agreement is entered into between the State of Florida Department of Environmental Protection ("Department") and the Citrus County Board of County Commissioners ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to administer and enforce the provisions of Chapter 403, Florida Statutes, and the rules promulgated thereunder, Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Agreement.
2. Respondent is a person within the meaning of Section 403.031(5), Florida Statutes.
3. Respondent is the operator of the Citrus County Central Class I Landfill and the Closed Class I Landfill ("facility"). The facility is located at 28 degrees 51 minutes and 8 seconds latitude, and 82 degrees, 26 minutes, and 38 seconds longitude. The facility is located

near S.R. 44, approximately 3 miles east of Lecanto in Citrus County, Florida. Respondent operates the facility under Department Permit No. 21375-003-SO ("Permit"), which expires on August 31, 2005.

4. The Department finds that the following violations occurred: According to a file review conducted on June 9, 2005, exceedances of Department ground water standards were reported at downgradient ground water monitoring wells since 2002 and exceedances of the lower explosive limit for combustible gases (calibrated to methane) were reported at landfill gas monitoring probes located at or beyond the property boundary since November 2003.

5. Having reached a resolution of the matter Department and the Respondent mutually agree and it is,

ORDERED:

6. The approved "Groundwater Investigation Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit A, and the Respondent shall implement the proposals in the Groundwater Investigation Plan pursuant to the approved schedule.

7. The approved "Landfill Gas Compliance Action Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit B, and the Respondent shall implement the proposals in the Landfill Gas Compliance Action Plan pursuant to the approved schedule.

8. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install and develop ground water monitoring wells MW-10 through MW-15 and MW-17 within 100 feet of the edge of waste disposal cells, conduct an "initial sampling event" at these wells, and submit a summary report of the initial sampling event results to the Department with

recommendations regarding the need to conduct further assessment activities, as summarized in Exhibit A.

9. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install new landfill gas monitoring probes GP-1 through GP-18, submit a to-scale construction drawing of the new gas monitoring probes, and submit gas monitoring data results to the Department, as summarized in Exhibit B. Existing gas monitoring probes shall not be abandoned until the lease expansion agreement referenced in Paragraph 10 is submitted to the Department and the permit modification referenced in Paragraph 11.a. is issued.

10. Within 90 days of the effective date of the Consent Agreement, the Respondent shall obtain a lease expansion agreement from the Division of Forestry/State Lands and submit a copy of this lease agreement to the Department. If the lease expansion agreement is not obtained within 90 days of the effective date of the Consent Agreement, the Department reserves the right to grant an extension of 30 days to Respondent to obtain such lease expansion agreement if an extension is warranted. If the Department grants a 30-day extension, then such 30-day extension shall automatically apply to Ordered Sections Paragraphs 11.a., 11.b., 11.c., 12.a. and 12.b.

11. If the lease expansion agreement referenced in Paragraph 10 is obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 120 days of the effective date of the Consent Agreement, Respondent shall submit an application for a permit modification to the Department that addresses changes in the facility's boundaries, zone of discharge (ZOD), monitoring well network, routine ground water sampling frequency, and landfill gas monitoring system.

b) If exceedances of ground water standards (primary drinking water standards listed in Rule 62-550.310, F.A.C.) or minimum criteria as specified in Chapter 62-520, F.A.C., are reported in the initial sampling event results referenced in Paragraph 8, then within 150 days of the effective date of the Consent Agreement, the Respondent shall commence site assessment activities at the affected new wells (MW-10 through MW-15 and MW-17) at the new ZOD in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

c) If exceedances of Rule 62-701.530(1)(a), F.A.C., are reported in the gas monitoring data results referenced in Paragraph 9, then within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved Landfill Gas ("LFG") Compliance Action Plan, at the new property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the new property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the

effective date of the Consent Agreement, the Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

d) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG Compliance Action Plan and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

e) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

12. If the lease expansion agreement referenced in Paragraph 10 is not obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 150 days of the effective date of the Agreement, Respondent shall commence ground water monitoring site assessment activities at the affected existing wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9) at the existing property boundary in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

b) Within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved LFG Compliance Action Plan, at the existing property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the existing property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the effective date of the Consent Agreement, the

Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

c) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG remediation system and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

d) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

13. Upon review of the submittals required by this Consent Agreement, the Department may request additional information. All additional information shall be submitted to the Department within 30 days of receipt of the Department's written request.

14. Within thirty (30) days of the effective date of this Consent Agreement, Respondent shall pay the Department \$3,000 in settlement of the matters addressed in this Consent Agreement. This amount includes \$3,000 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Agreement. Payment shall be made by cashier's check, money order, or County-issued check. The instrument shall be made payable to the "Department of Environmental Protection" and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund."

15. Respondent agrees to pay the Department stipulated penalties in the amount of \$100 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6-14 of this Consent Agreement. A separate stipulated penalty shall be assessed for each violation of this Consent Agreement. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to "The Department of Environmental Protection" by cashier's check or money order and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352. The Department may make demands for payment at any time after violations occur. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Agreement. Any penalties assessed under this paragraph shall be

in addition to the settlement sum agreed to in paragraph 14 of this Consent Agreement. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Agreement in an amount greater than the stipulated penalties due under this paragraph.

16. If any event, including administrative or judicial challenges by third parties unrelated to the Respondent, occurs which causes delay or the reasonable likelihood of delay, in complying with the requirements of this Consent Agreement, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of the Respondent and could not have been or cannot be overcome by Respondent's due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department orally within 24 hours or by the next working day and shall, within seven calendar days of oral notification to the Department, notify the Department in writing of the anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or

minimize delay. Failure of Respondent to comply with the notice requirements of this Paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Agreement.

17. Respondent shall publish the following notice in a newspaper of daily circulation in Citrus County, Florida. The notice shall be published one time only within 15 days after the effective date of the Consent Agreement by the Department.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection gives notice of agency action of entering into a Consent Agreement with Citrus County Board of County Commissioners pursuant to Section 120.57(4), Florida Statutes. The Consent Agreement addresses exceedances of groundwater standards and landfill gas criteria at the Citrus County Central Class I and Closed Class I Landfills located near S.R. 44, 3 miles east of Lecanto in Citrus County. The Consent Agreement is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

Persons whose substantial interests are affected by this Consent Agreement have a right to petition for an administrative hearing on the Consent Agreement. The Petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number for the Consent Agreement and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Agreement; (c) A statement of how each petitioner's substantial interests are affected by the Consent Agreement; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Agreement; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Agreement; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Agreement.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Agreement have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

A person whose substantial interests are affected by the Consent Agreement may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes, or may choose to pursue mediation as an alternative remedy under Section 120.573, Florida Statutes, 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.

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Respondent, 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 Consent Agreement. 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, within 10 days after the deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, 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 21 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, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

18. Entry of this Consent Agreement does not relieve Respondent of the need to comply with applicable federal, state or local laws, regulations or ordinances.

19. The terms and conditions set forth in this Consent Agreement may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with the terms of this Consent Agreement shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

20. Respondent is fully aware that a violation of the terms of this Consent Agreement may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation and criminal penalties.

21. Respondent shall allow all authorized representatives of the Department access to the property and facility at reasonable times for the purpose of determining compliance with the terms of this Consent Agreement and the rules and statutes of the Department.

22. All submittals and payments required by this Consent Agreement to be submitted to the Department shall be sent to the Florida Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

23. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Agreement, including but not limited to undisclosed releases, contamination or polluting conditions.

24. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Agreement, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this

Consent Agreement; provided, however, should the Department conclude that clean up of the contaminated area to site rehabilitation levels is not feasible; or should the Respondent not completely implement the remedial or corrective action plan (however denominated) as approved by the Department; the Department expressly reserves its right to seek restitution from Respondent for environmental damages. Within 20 days of receipt of the Department's written notification of its intent to seek said restitution, Respondent may pay the amount of the damages or may, if it so chooses, initiate negotiations with the Department regarding the monetary terms of restitution to the state. Respondent is aware that should a negotiated sum or other compensation or environmental damages not be agreed to by the Department and Respondent within 20 days of receipt of Department written notification of its intent to seek restitution, the Department may institute appropriate action, either administrative through a Notice of Violation, or judicial, in a court of competent jurisdiction through a civil complaint, to recover Department assessed environmental damages as provided by law.

25. Respondent acknowledges and waives its right to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, on the terms of this Consent Agreement. Respondent acknowledges its right to appeal the terms of this Consent Agreement pursuant to Section 120.68, Florida Statutes, and waives that right upon signing this Consent Agreement.

26. No modifications of the terms of this Consent Agreement shall be effective until reduced to writing and executed by both Respondent and the Department.

27. This Consent Agreement is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Consent Agreement is not a settlement of any criminal liabilities which may arise under Florida

law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law.

28. Respondent shall use all reasonable efforts to obtain any necessary access for work to be performed in the implementation of this Consent Agreement. If necessary access cannot be obtained, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, Respondent shall notify the Department within (5) business days of such refusal or revocation. The Department may at any time seek to obtain access as is necessary to implement the terms of this Consent Agreement. The Respondent shall reimburse the Department for any damages, costs, or expenses, including expert and attorneys fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain access as is necessary to implement the terms of this Consent Agreement. Respondent shall pay these sums to the Department or arrange a payment schedule with the Department within 30 days of written demand by the Department.

29. This Consent Agreement is a final order of the Department pursuant to Section 120.52(7), Florida Statutes, and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon the timely filing of a petition this Consent Agreement will not be effective until further order of the Department.

FOR THE RESPONDENT:

I, Vicki Phillips on behalf of Citrus County BOCC, **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: Vicki Phillips Date: July 26, 2005

Title: Chairwoman

DONE AND ORDERED this 15th day of September, 2005,
in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
Deborah A. Getzoff
District Director
Southwest District

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

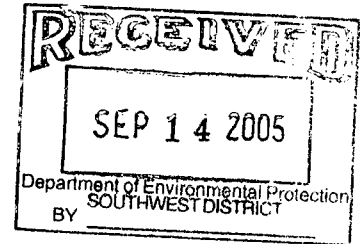
Anna Blair
Clerk

9/20/2005
Date

Copies furnished to:
Larry Morgan, OGC
Kathy Carter, OGC (executed copy only)
Sandra Wilson, FDEP - Tampa (executed copy only)

"EXHIBIT A"

CITRUS COUNTY CENTRAL LANDFILL
GROUNDWATER INVESTIGATION PLAN



Prepared by:
JONES EDMUNDS & ASSOCIATES, INC.
730 N.E. Waldo Road
Gainesville, Florida 32641-5699
Certificate of Authorization # 1841

July 2005

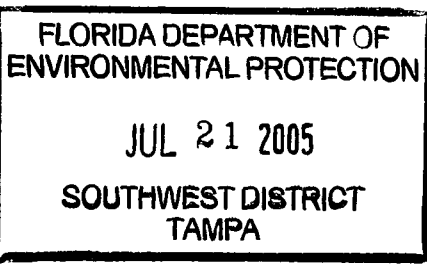
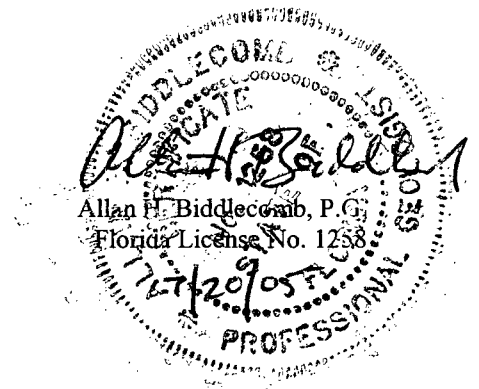


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- 3.0 LEASE EXPANSION
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- 5.0 SITE ASSESSMENT
- 6.0 SCHEDULE

FIGURE 1 SITE PLAN WITH PROPOSED MONITORING WELL LOCATIONS

TABLE 1 COMPLIANCE WELL CONSTRUCTION DETAILS

TABLE 2 INITIAL GROUNDWATER ANALYTICAL PARAMETER LIST

1.0 INTRODUCTION

The Citrus County Central Landfill (Landfill) is currently operated under Florida Department of Environmental Protection permit 21375-003-SO. Modifications to the current groundwater monitoring plan have been proposed as part of the 2005 permit renewal application. These modifications are in response to inadequate monitoring well construction, proximity of monitoring wells to waste, and groundwater analytical data in exceedance of drinking water standards. The following plan outlines the proposed course of action to address deficiencies in the current plan. Several "steps" in the plan are contingent upon the outcome of previous "steps". An outline of the plan including key decision points and resultant activities is provided below:

1. Lease Expansion Agreement is Approved

- a. Minor Modification of Operating Permit
 - Submit permit modification to identify new property boundary, establish new zone of discharge 100 feet from the edge of waste, and establish routine groundwater sampling frequency within 30 days of approval of lease expansion.
- b. If no exceedances of primary drinking water standards are reported in the initial sampling event results, conduct routine monitoring at new compliance wells (MW-10 through MW-15 and MW-17).
- c. If exceedances of primary drinking water standards are reported in the initial sampling event results, commence site assessment activities at affected new wells in accordance with Chapter 62-780, F.A.C., within 60 days of receipt of analytical data. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2. Lease Expansion Agreement is Denied

- a. Commence site assessment activities at existing property line in accordance with Chapter 62-780, F.A.C., within 60 days of denial of lease expansion, or end of DEP extensions.
- b. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING

The Landfill is located in central Citrus County approximately three miles east of Lecanto, Florida, near State Road 44. The landfill is located at latitude 28° 51' 07" North and longitude 82°26'12" West in Section 1, Township 19 South, Range 18 East. The Landfill is composed of a closed 60-acre site and an active 80-acre site. The active landfill is a lined cell with a leachate collection system. Except for seven acres, the closed landfill is unlined and is not served by a leachate collection system. The entire closed landfill is capped with a membrane and soil cover.

The Landfill lies within the Hernando Hammock physiographic subdivision of the Ocala Uplift District as described by Brooks (1981). This region is characterized by remnant erosional hills and ridges, which are in-filled with thick, weathered deposits of sand and clayey sand. The

landfill is also within the northern portion of the Brooksville Ridge. The Brooksville Ridge is characterized as an extensive, internally drained, karst terrain with high local relief.

Near-surface regional geology in the landfill area is typically characterized by undifferentiated sands and clays of the Hawthorn Group. The thickness and continuity of individual strata varies greatly in the area. The sand and clays act as a partial confining unit for the Floridan aquifer in some parts of the region. Beneath the undifferentiated sands and clays lies a thick sequence of Eocene age carbonate deposits, which generally consist of the Suwannee limestone, Ocala Group, and Avon Park formations.

Site specific geology is characterized by approximately 130 feet of surficial sands ranging from fine to medium sands to clayey, silty fine sands. Several 1-foot to 2-foot discontinuous clay layers are present between 50 and 80 feet bls. These sediments, when present, form a low permeability unit over the Floridan aquifer with an average hydraulic conductivity of 0.024 foot per day. These sediments do not have sufficient lateral continuity at the site to form a confining layer or support a separate perched water table aquifer. Beneath these sediments lies the Suwannee Formation. The Suwannee has a highly irregular surface beneath the site, with elevations ranging from 80 feet NGVD to -54 feet NGVD. The Floridan aquifer occurs under water-table conditions at the site and is the only consistent aquifer system present beneath the site.

3.0 LEASE EXPANSION

The County has initiated negotiations with the adjacent landowner (Florida State Division of Forestry) to expand the limits of the current lease agreement to increase the property boundary of the Landfill facility. Discussions with Ms. Gloria Nelson of the DEP Division of State Lands indicate that the current lease agreement can be amended within 90 days of submittal of a letter of intent from the local Division of Forestry representative. The letter of intent will include a legal description of the proposed expansion area. The Department may elect to grant the County up to 30 additional days from the effective date of the consent order to obtain and submit the agreement. The proposed boundary of the lease expansion is shown in Figure 1. Upon successful execution of the lease expansion, a minor permit modification application will be submitted to DEP to expand the Zone of Discharge boundary to 100 feet from the edge of waste as shown in Figure 1.

4.0 COMPLIANCE MONITORING WELL INSTALLATION

Seven new compliance monitoring wells (MW-10 through MW-15 and MW-17) will be installed with a spacing of no more than 500 feet between wells and within 100 feet of the edge of waste. The locations of the proposed downgradient monitoring wells are shown in Figure 1.

Each proposed monitoring well will be constructed of 2-inch PVC with 20-feet of 0.010-inch slotted screen extending from approximately -4 to 16 feet NGVD. This screen interval should accommodate the severe water level fluctuations observed at the site, while allowing for monitoring of the uppermost water bearing unit. The proposed monitoring well construction details are included below (Table 1).

Monitoring Well ID	Estimated Top of Casing Elevation (NGVD)	Proposed Well Screen Interval (NGVD)	
		Top	Bottom
MW-10	115	16	-4
MW-11	115	16	-4
MW-12	115	16	-4
MW-13	115	16	-4
MW-14	115	16	-4
MW-15	115	16	-4
MW-16	120	16	-4
MW-17	115	16	-4

Table

Notes:

TOC elevations and proposed well screen intervals are approximate; based on land surface elevations and historical groundwater elevations.

A piezometer (MW-16) will be installed south of existing well MW-6, to provide additional groundwater flow information. The proposed location of the new piezometer is shown in Figure 1. Proposed construction details are included above (Table 1-2).

Groundwater samples will be collected from wells MW-10, 11, 12, 13, 14, 15 and 17 to determine initial groundwater quality. Groundwater samples from the initial sampling will be analyzed for the parameters listed in Table 2 .

Field Parameters	Laboratory Parameters
Static Water Levels	Total Ammonia - N
Specific Conductivity	Chlorides
Temperature	Iron
Ph	Mercury
Dissolved Oxygen	Nitrate
Turbidity	Sodium
Colors and Sheens (by observation)	Total Dissolved Solids
	Those Parameters listed in 40 CFR Part 258, Appendix I and Appendix II

Upon the completion of the above activities, a Groundwater Monitoring Plan Evaluation Report will be submitted to DEP that includes; a discussion of the work performed, a summary of the findings and, if necessary, additional changes to the existing Groundwater Monitoring Plan. The report will also address the need to implement a Site Assessment if warranted according to 62-780.600 (1), F.A.C.

5.0 SITE ASSESSMENT

As required by 62-780.600 (1), F.A.C., a site assessment will commence within 60 days after discovery of an offsite discharge. A site assessment will be performed if one of two events occur: (1) the expanded lease agreement is approved and drinking water standard exceedances are reported for the initial sampling of the newly installed compliance monitoring wells, (2) the expanded lease agreement is denied.

The Site Assessment will be designed and implemented to comply with the requirements of 62-780.600 (3), (4), and (5), F.A.C. As defined in 62-780.600 (3), F.A.C., the objectives of the site assessment will be as follows:

- a) To evaluate the current exposure and potential risk of exposure to humans and the environment, including multiple pathways of exposure. The physical, chemical, and biological characteristics of each contaminant and the individual site characteristics shall be considered. The individual site characteristics include:
 1. The current and projected use of the affected groundwater and surface water in the vicinity of the site;
 2. The current and projected land use of the area affected by the contamination;
 3. The exposed human population and ecological receptors including the presence of threatened or endangered species (flora and fauna). A general literature review and analysis based on site-specific conditions may be sufficient;
 4. The location of the plume;
 5. The degree and extent of contamination;
 6. The rate and direction of migration of the plume;
 7. The apparent or potential rate of degradation of contaminants through natural attenuation; and
 8. The potential for further migration in relation to the source property boundary;
- (b) To determine whether contamination is present and the types of contaminants present, and to determine the horizontal and vertical extent of contamination in every medium found to be contaminated (for soil in the unsaturated zone, to the more stringent of the direct exposure residential soil CTLs and the applicable leachability-based soil CTLs provided in Chapter 62-777, F.A.C., Table II; and for groundwater, to the groundwater CTLs or to the surface water CTLs provided in Chapter 62-777, F.A.C., Table I, as applicable);
- (c) To determine or confirm the origin(s) of the source(s) of contamination, if technologically feasible;
- (d) To establish the background concentrations;
- (e) To establish the horizontal extent and thickness of free product, if technologically feasible. If the soil concentration of a contaminant is above its soil saturation concentration (C_{sat}), free product may be present. [Refer to the technical report referenced in subsection 62-780.100(2), F.A.C., for development of soil CTLs based on C_{sat}.];
- (f) To determine whether source removal, in addition to any interim source removal already performed pursuant to Rule 62-780.500, F.A.C., is warranted;
- (g) To describe relevant geologic and hydrogeologic characteristics that influence migration and transport of contaminants at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.:

(h) To determine by means of a well survey whether any public water supply wells, as defined in Chapter 62-550, F.A.C., are present within a 1/2 mile radius of the site, whether the site is located within the regulated wellhead protection zone of a public water supply well or well field, and whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a 1/4 mile radius of the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.

(i) To determine whether any surface water will be exposed to contamination that migrates beyond the boundaries of the property at which site rehabilitation was initiated pursuant to this chapter;

(j) To report any off-site activities (for example, dewatering, active remediation, or flood control pumping) in the immediate vicinity of the site that may have an effect on the groundwater flow at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.; and

(k) To facilitate the selection of a remediation strategy for the site that is protective of human health and the environment, and considers the proposed property use, identifies risks posed by the contamination based on the proposed use, and describes how those risks will be managed, unless No Further Action is deemed appropriate pursuant to the provisions of subsection 62-780.680(1), F.A.C.

Following completion of the Site Assessment, a Site Assessment Report (SAR) will be prepared which summarizes all tasks that were completed pursuant to subsections 62-780.600(3), (4), and (5), F.A.C., and the results obtained. The SAR will include one of the following:

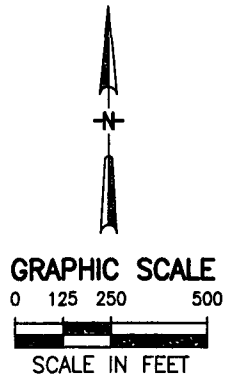
1. A No Further Action Proposal without institutional controls or without institutional and engineering controls shall be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(1), F.A.C., or a No Further Action Proposal with institutional controls or both institutional and engineering controls may be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(2) or (3), F.A.C.;
2. A Natural Attenuation with Monitoring Plan may be included if the site meets the Natural Attenuation with Monitoring criteria of Rule 62-780.690, F.A.C.;
3. A recommendation to prepare a risk assessment or a Risk Assessment work plan shall be included if the PRSR chooses to justify alternative CTLs using risk assessment studies demonstrating that human health, public safety, and the environment are protected to at least the same degree provided by the CTLs referenced in this chapter. The work plan shall include a schedule for completion of a risk assessment and documentation adequate to support the request to do one or more of the task elements of subsection 62-780.650(1), F.A.C., and shall specify the parameters or exposure assumptions that will be used to develop the alternative CTLs pursuant to Rule 62-780.650, F.A.C.; or
4. A recommendation to prepare a Remedial Action Plan pursuant to Rule 62-780.700, F.A.C., shall be included, unless a recommendation pursuant to subparagraph 62-780.600(8)(b)1., 2., or 3., F.A.C., is included.

6.0 SCHEDULE

1. Within 5 days of the effective date of the consent agreement:
 - a. Obtain Interim Access Agreement from local office of Division of Forestry to install new groundwater monitoring wells.

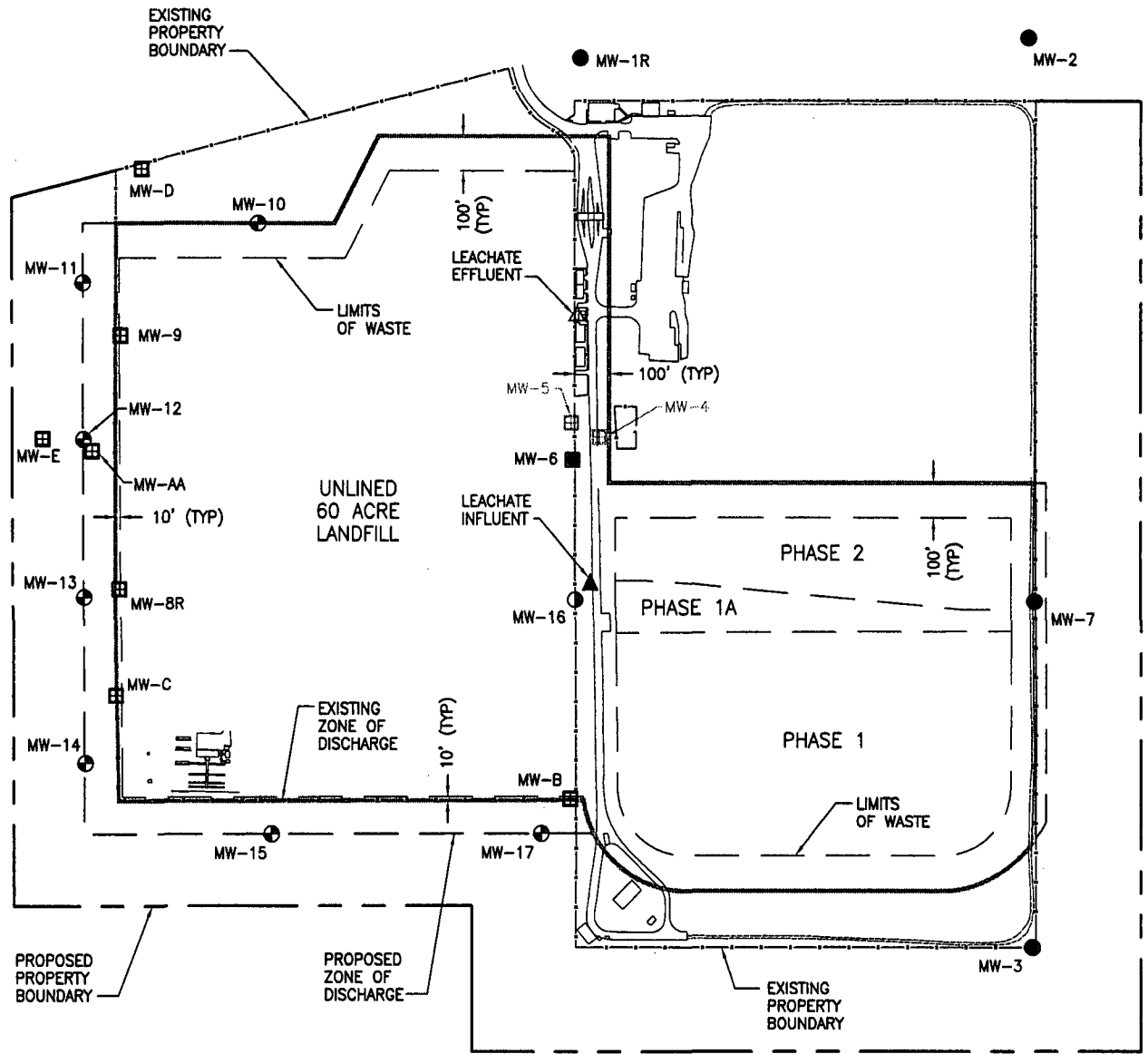
2. Within 90 days of the effective date of the consent agreement:
 - a. Obtain lease expansion agreement with Division of Forestry and DEP Division of State Lands. Submit copy of agreement and updated boundary survey to DEP.
 - b. Install and develop new downgradient monitoring wells within 100 feet of the edge of waste as shown in Figure 1.
 - c. Conduct initial groundwater sampling and analysis of new wells
 - d. Perform hydraulic conductivity testing at new wells
 - e. Submit summary report with recommendations for routine groundwater sampling frequency and the need to conduct further assessment activities to DEP.

As required by 62-780 Table A, the SAR will be submitted within 270 days of discovery of discharge.

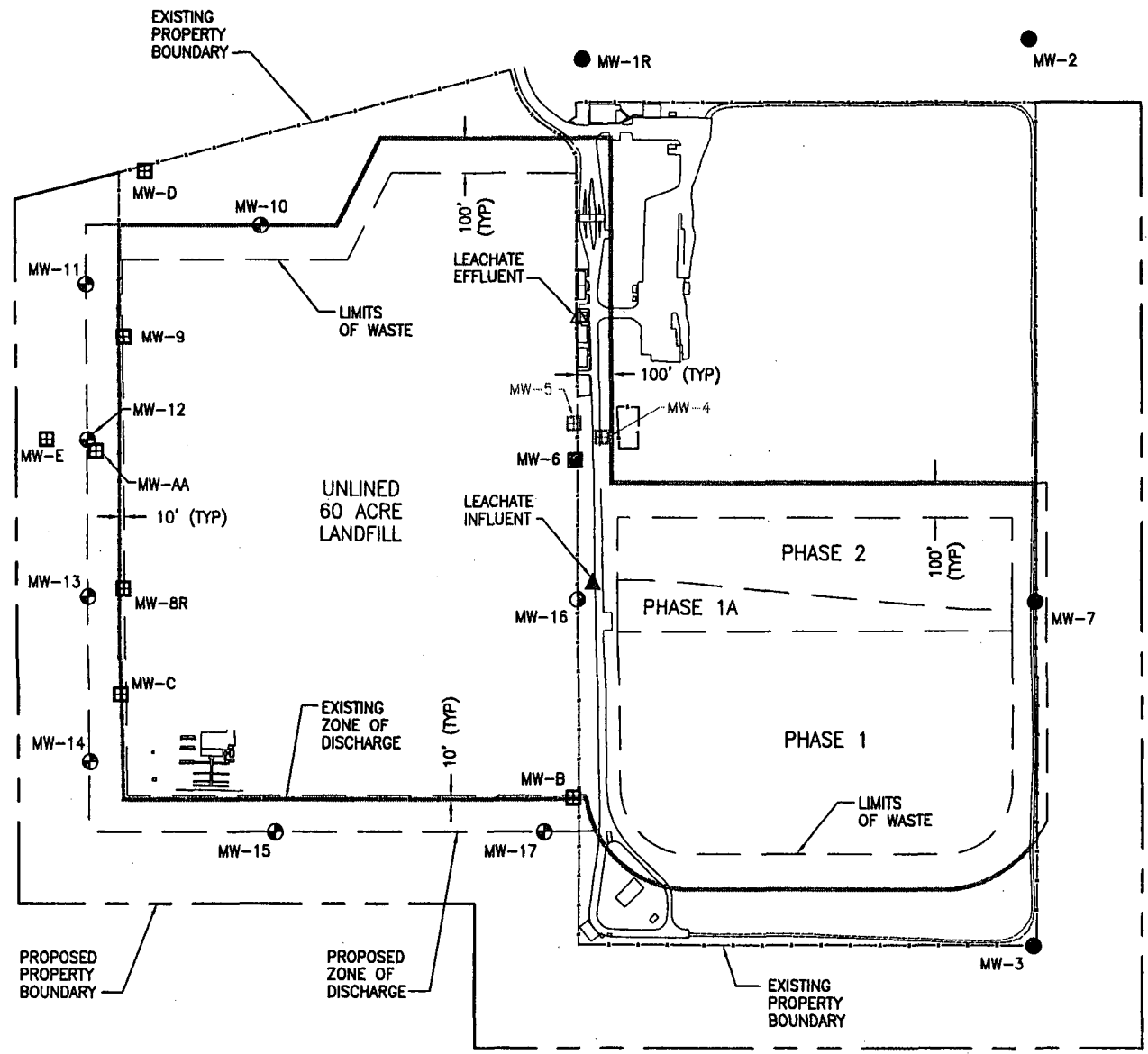
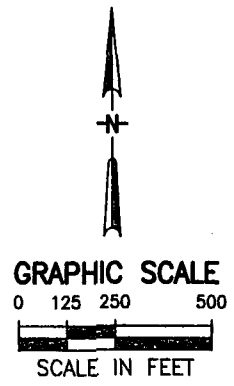


LEGEND

- BACKGROUND WELLS
- ⊕ PROPOSED MONITORING WELL
- INTERMEDIATE WELL
- ⊞ EXISTING COMPLIANCE WELL
- ⊞ EXISTING WATER LEVEL WELLS
- ▲ LEACHATE INFLUENT SAMPLING LOCATION
- △ LEACHATE EFFLUENT SAMPLING LOCATION
- PROPOSED WATER LEVEL WELL
- PROPOSED ZONE OF DISCHARGE
- EXISTING ZONE OF DISCHARGE
- EXISTING LIMITS OF WASTE
- PROPOSED PROPERTY BOUNDARY



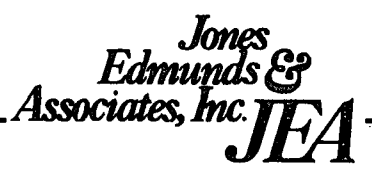
**SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL**



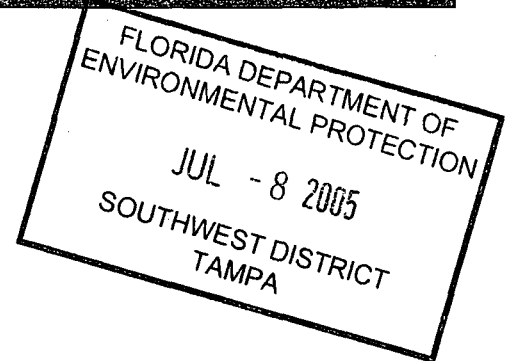
LEGEND

- BACKGROUND WELLS
- ⊕ PROPOSED MONITORING WELL
- INTERMEDIATE WELL
- ⊞ EXISTING COMPLIANCE WELL
- ⊞ EXISTING WATER LEVEL WELLS
- ▲ LEACHATE INFLUENT SAMPLING LOCATION
- △ LEACHATE EFFLUENT SAMPLING LOCATION
- ⊙ PROPOSED WATER LEVEL WELL
- - - - - PROPOSED ZONE OF DISCHARGE
- - - - - EXISTING ZONE OF DISCHARGE
- - - - - EXISTING LIMITS OF WASTE
- - - - - PROPOSED PROPERTY BOUNDARY

**SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL**



"EXHIBIT B"

SCS ENGINEERSJuly 8, 2005
File No. 09199056.13Ms. Susan Pelz, P.E.
Solid Waste Permitting
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619Subject: Citrus County Central Landfill – Operations Permit Renewal
Landfill Gas Compliance Action Plan

Dear Susan:

On behalf of Citrus County, SCS Engineers (SCS) is pleased to submit the following action plan to address the requirement to reduce landfill gas (LFG) concentrations to less than the lower explosive limit (LEL) at the property line.

PROPOSED LANDFILL GAS MIGRATION REMEDIATION PLAN

Citrus County proposes a phased approach to address compliance with LFG monitoring requirements. The initial phase includes expanding the landfill boundary on the east, west, and south sides of the existing property boundary and adding 18 new LFG monitoring probes as shown on Figure 1. The probes will be constructed as described below. This proposal is expected to result in regulatory compliance without the need for additional corrective measures based on past experience with similar systems. It is very likely that as LFG migrates from the source, an equilibrium point within the proposed property limits will be reached and that in doing so will maintain regulatory compliance.

Establishing the new boundary limits will require concurrence from the Florida Division of Forestry and that approval is anticipated to be completed within 90 days. During this time period the County will install LFG monitoring probes in the locations shown on Figure 1. The County will provide a report to the Florida Department of Environmental Protection (FDEP) to include the as-built probe location drawing, details of the probe installation, initial monitoring results, a copy of the new lease agreement and updated compliance boundary survey. In the event that the additional lease from the Division of Forestry cannot be obtained or if LFG exceedances occur at the new probe locations, the County will proceed with Phase 2 of the LFG remediation plan.

Phase 2, if required, would consist of the installation of a passive venting system between the liner system and the property boundary at impacted areas. An investigation and evaluation targeted specifically at areas between the existing landfill and the property line will be conducted. The evaluation will supplement the information currently available from the existing monitoring probes and will include advancing geoprobes to a depth of 80 feet below



Ms. Susan Pelz, P.E.
July 8, 2005
Page 2

land surface and measuring subsurface gas concentrations at 10-foot intervals. Initially the probes will be spaced 100 feet apart in the areas where LFG migration is known to exist or suspected. When LFG is detected in a probe a new probe will be placed half way between the "hot" probe and the nearest probe where LFG was not detected. This process will be repeated until the area of LFG migration is determined to within approximately 25 feet.

The County will provide to FDEP a report reflecting the results of the evaluation and include proposed location(s) of the passive vents, details of the vent system, and specifications that will serve as the basis for bidding the installation. Once approved by FDEP the County will initiate the installation process. It is anticipated that Phase 2 will be completed within 60 days of the determination that the expanded property boundary cannot be obtained or if exceedances occur at the new probe locations. Should the Phase 2 LFG vent system fail to control the gas migration, Phase 3 will be initiated. Additionally, should the extended property boundary and new monitoring system be implemented and at some point in the future exceedance of regulatory limits be confirmed in the LFG monitoring probes at the new compliance boundary, Phase 3 remedial actions will be initiated.

Phase 3, if required, would consist of installation of a passive gas system within the waste in the lined landfill. This system shall include an array of LFG vents constructed along the south and east sides of the Phase 1 and 1A landfill disposal area. The vents will be located and designed to act as passive vents but may also be appropriate for connection to an active LFG extraction system, if necessary. The County will submit the plans for this proposed system to FDEP for review as a request for a permit modification. Once approved by FDEP the passive gas system will be constructed. The County proposes to complete this action within 180 days of approval of the plan by FDEP.

PROPOSED COMPLIANCE BOUNDARY

Citrus County proposes to establish a compliance boundary beyond the limits of the existing facility boundary. Figure 1 shows the locations of the proposed new LFG monitoring probes and the new property boundary. No extension of the compliance boundary to the north of the site is necessary. The proposed LFG monitoring probes will be maintained within this new boundary.

PROPOSED LANDFILL GAS MONITORING PROBES

The proposed gas monitoring probe network includes 18 permanent probes spaced approximately 500 feet apart along the north, west and south sides of the closed 60-acre landfill, and the south and east sides of the active landfill. New probes will be installed just inside the new property boundary, approximately 300 feet outside the existing fence line, which would be within the expanded compliance boundary.

Monitoring Probe Construction

In accordance with the provisions of Rule 62-701.530(2)(b), F.A.C., the proposed monitoring probes are designed to extend to depths equal to the base of the landfilled waste. The 11 probes surrounding the closed 60-acre landfill (i.e., GP-1 through GP-11) will be approximately 40 feet deep, which is equal to the maximum estimated depth of the closed landfill. Probes GP-12 through GP-18 will be installed to depths of approximately 80 feet, which is consistent with the depth of waste in Phases 1/1A and 2. Figure 2 provides a detail of the proposed probe construction.

Each probe will be installed with a direct push-type rig to create a borehole approximately two inches in diameter. A retractable tip will be used on the pilot probe so that subsurface gas concentrations can be measured at 10-foot intervals during the borings. Gas concentrations will be measured using handheld field monitoring equipment. The data collected during installation will be included in the daily logs and maintained on file with Citrus County. As shown on Figure 2, probes will be constructed of 1-inch diameter schedule 40 PVC pipe. The perforated section of the probe will begin five feet below ground surface and extend to the bottom of the borehole. From five feet below ground surface to the top of the probe will be solid-wall pipe. A bentonite plug will be installed two feet below ground surface to help seal the borehole. A threaded cap with a labcock or quick-connect monitoring port will be installed at the top of each probe, and protective casings will be installed around the above-grade portion of the probes.

A well schedule for the proposed probes is provided below in Table 1.

**TABLE 1. PROPOSED WELL SCHEDULE
LANDFILL GAS MONITORING PROBES, CENTRAL LANDFILL**

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-1	40	35	5	3
GP-2	40	35	5	3
GP-3	40	35	5	3
GP-4	40	35	5	3
GP-5	40	35	5	3
GP-6	40	35	5	3
GP-7	40	35	5	3
GP-8	40	35	5	3
GP-9	40	35	5	3
GP-10	40	35	5	3

TABLE 1. (Continued)

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-11	40	35	5	3
GP-12	80	75	5	3
GP-13	80	75	5	3
GP-14	80	75	5	3
GP-15	80	75	5	3
GP-16	80	75	5	3
GP-17	80	75	5	3
GP-18	80	75	5	3

Abandonment of Existing Monitoring Probes

All existing monitoring probes will be abandoned in place upon approval of the revised property boundary and installation of the new probes.

Future Monitoring Probes

Figure 1 includes the locations of five future monitoring probes along the north east property line near the existing soil stockpile area. Because waste is not disposed of in this area, there is no need to install probes in this portion of the site. However, if the landfill is expanded to the north of Phase 2, Citrus County will install these probes to monitor for potential LFG migration adjacent to future landfill areas.

MONITORING OF ON-SITE STRUCTURES

In order to ensure the safety of workers inside and around permanent structures on site, ambient air will be monitored on a quarterly basis in on-site structures in accordance with the requirements of Rule 62-701.530(2)(a), F.A.C. As stated above and in Rule 62-701.530(1)(a), F.A.C., the methane concentration in on- or off-site structures may not exceed 25 percent of the LEL, or 1.25 percent methane by volume. The following gas monitoring will be performed in structures at the facility.

- Explosive gas alarms located in the scale house building and leachate treatment plant electrical room will provide continuous monitoring for unacceptable concentrations of explosive gas. These monitors are designed to sound an alarm when methane concentrations exceed 25 percent of the LEL. The signal remains on as long as gas is present, and a red alarm light stays on after an alarm condition

in order to alert personnel that methane was detected during their absence. Log sheets will be kept at each location to record when the alarm has been triggered, and each alarm will be calibrated or replaced on a regular basis according to the schedule recommended by the manufacturer.

- On a quarterly basis the following structures will be monitored:
 - Administration building
 - Scale house
 - Leachate treatment plant
 - Gun ranges

Monitoring will consist of using handheld instruments to monitor for combustible gases at all slab penetrations, floor drains, cracks in the slabs, along baseboards, in electrical boxes and outlets, and in enclosed spaces such as closets and ground-level cabinets.

GAS MONITORING PROCEDURES

The monitoring procedures for the probes and on-site structures are outlined below.

Monitoring Procedures for Probes

Each probe will be monitored on a quarterly basis for static pressure and methane concentration, or combustible gases using an instrument calibrated to methane. Methane will be measured and recorded in terms of a percent by volume in air or as a percentage of the LEL. The monitoring equipment will be calibrated each day prior to the monitoring.

The general procedure for monitoring at each probe will be as follows:

1. Record meteorological conditions including ambient temperature and barometric pressure.
2. Calibrate the methane monitoring equipment.
3. Purge any calibration gas or gas from previous probes from the methane monitoring instrument.
4. Zero the pressure gauge.
5. Prior to monitoring, note any damage to the probe, and repair if necessary. Failure to repair damage to the above ground casing, cap, or monitoring probe can affect the validity of the monitoring results.
6. Attach the sampling hose to the pressure meter and the labcock valve on the

monitoring probe.

7. Record the time of monitoring for the probe.
8. Open the labcock valve.
9. Measure and record the pressure in the probe.
10. Close the labcock valve.
11. Connect the methane monitoring instrument to the sampling hose.
12. Open the labcock valve.
13. Turn on the meter and observe the gas concentration readings, noting any spikes in concentration.
14. After the gas concentration readings stabilize, record the steady-state reading, making note of any spike that occurred prior to reaching a steady-state reading. Note that per Rule 62-701.530(2)(b), F.A.C., purging of the probe is not allowed.
15. Remove the instrument and hose, and close the labcock valve.
16. Repeat steps 3 through 15 for each probe.

Any problems encountered during monitoring, observations, or other pertinent information that could impact the interpretation of the data shall be recorded.

Monitoring Procedures for On-Site Structures

The following on-site structures will be monitored for methane or combustible gas on a quarterly basis using handheld field instruments in accordance with Rule 62-701.530(2)(a), F.A.C.:

- Administration building
- Scale house
- Leachate treatment plant
- Gun ranges

Methane will be monitored and recorded in terms of the percent by volume in air or as a percentage of the LEL, and the monitoring equipment will be calibrated each day prior to the monitoring.

The general locations for monitoring at each structure will be as described below.

Administration Building--

A handheld meter will be used to monitor for methane at each of the following locations:

- Along the baseboards in each of the rooms, closets, and hallways
- In all ground-level cabinets
- At the floor drains in the bathrooms
- At all electrical outlets in each room and hallway
- At electrical panels inside and outside the building
- At outdoor electrical outlets

Scale House--

A handheld meter will be used to monitor for methane in the scale house at each of the following locations:

- Along the baseboards
- At any cracks in the concrete slab or flooring
- In all ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Leachate Treatment Plant--

Methane concentration will be checked at the following locations at the leachate treatment plant:

- At any cracks in the concrete slab or flooring
- In any ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Gun Ranges--

There are two gun ranges on site that are operated by the Withlacoochee Technical Institute on the closed 60-acre landfill. At both gun ranges, the following locations will be monitored for methane.

- At cracks in the concrete slabs
- At all electrical outlets and switches
- At all slab penetrations, such as support posts for the roofs of the firing platforms

Ms. Susan Pelz, P.E.
July 8, 2005
Page 8

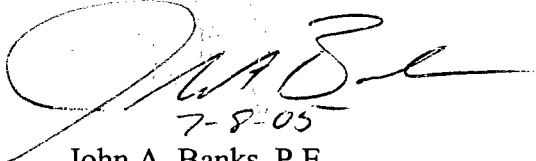
REPORTING

Results of the monitoring will be reported to FDEP quarterly. If the results of the monitoring show that combustible gas concentrations exceed the limits specified in Rule 62-710.530(1)(a), F.A.C., Citrus County will take the following actions:

- Immediately take all necessary steps to ensure protection of human health and notify FDEP of the exceedances.
- Within seven days of the detections, submit to FDEP for approval a gas remediation plan. The gas remediation plan must describe the nature and extent of the problem and the proposed remedy. The remedy must be completed within 60 days of detection unless otherwise approved by FDEP

Please call us if you have any questions.

Very truly yours,



7-8-05

John A. Banks, P.E.
Project Director



Raymond J. Dever, P.E., DEE
Vice President
SCS ENGINEERS

JAB/RJD:jab

cc: Susan J. Metcalfe, P.G., Citrus County w/enclosures

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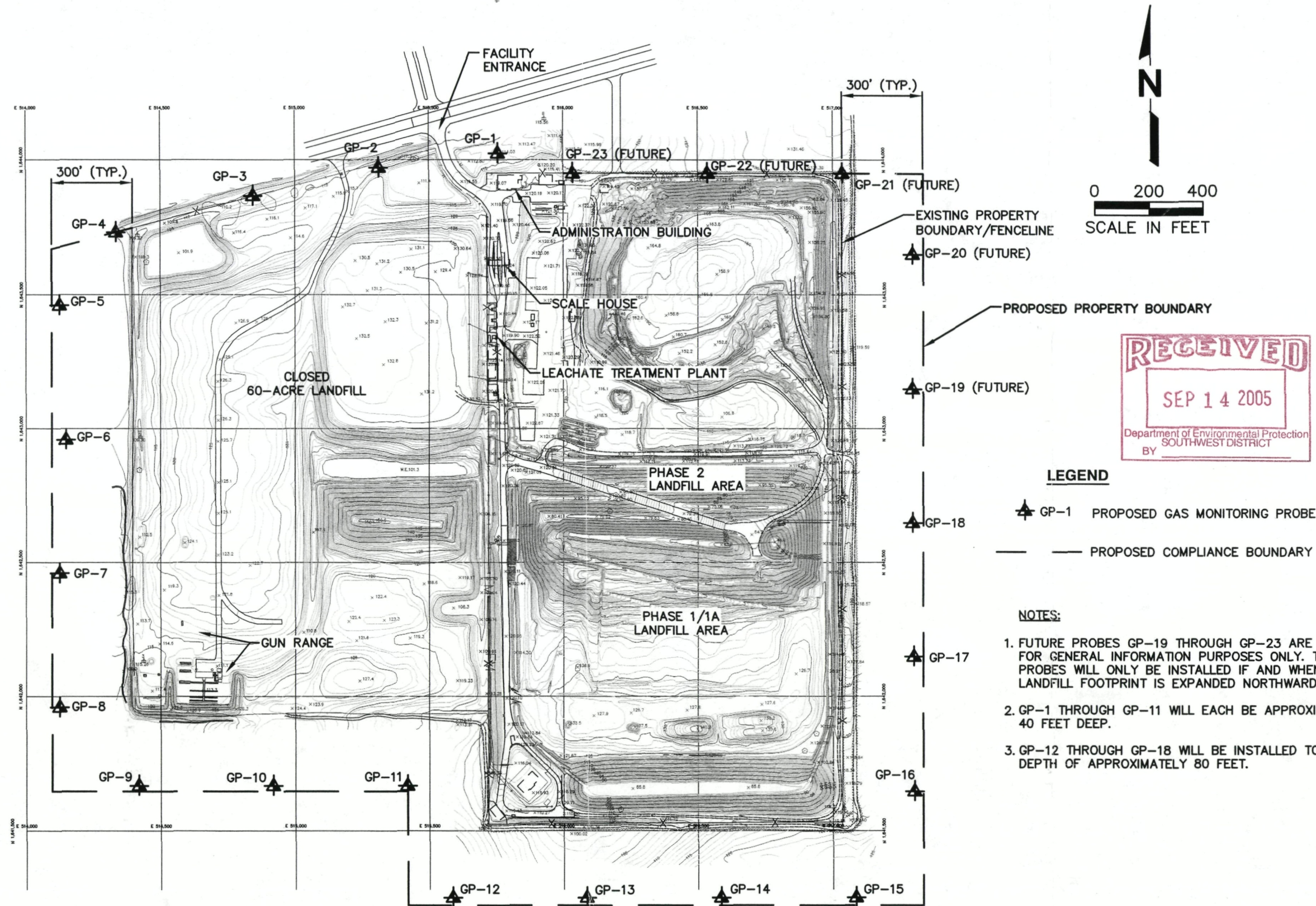
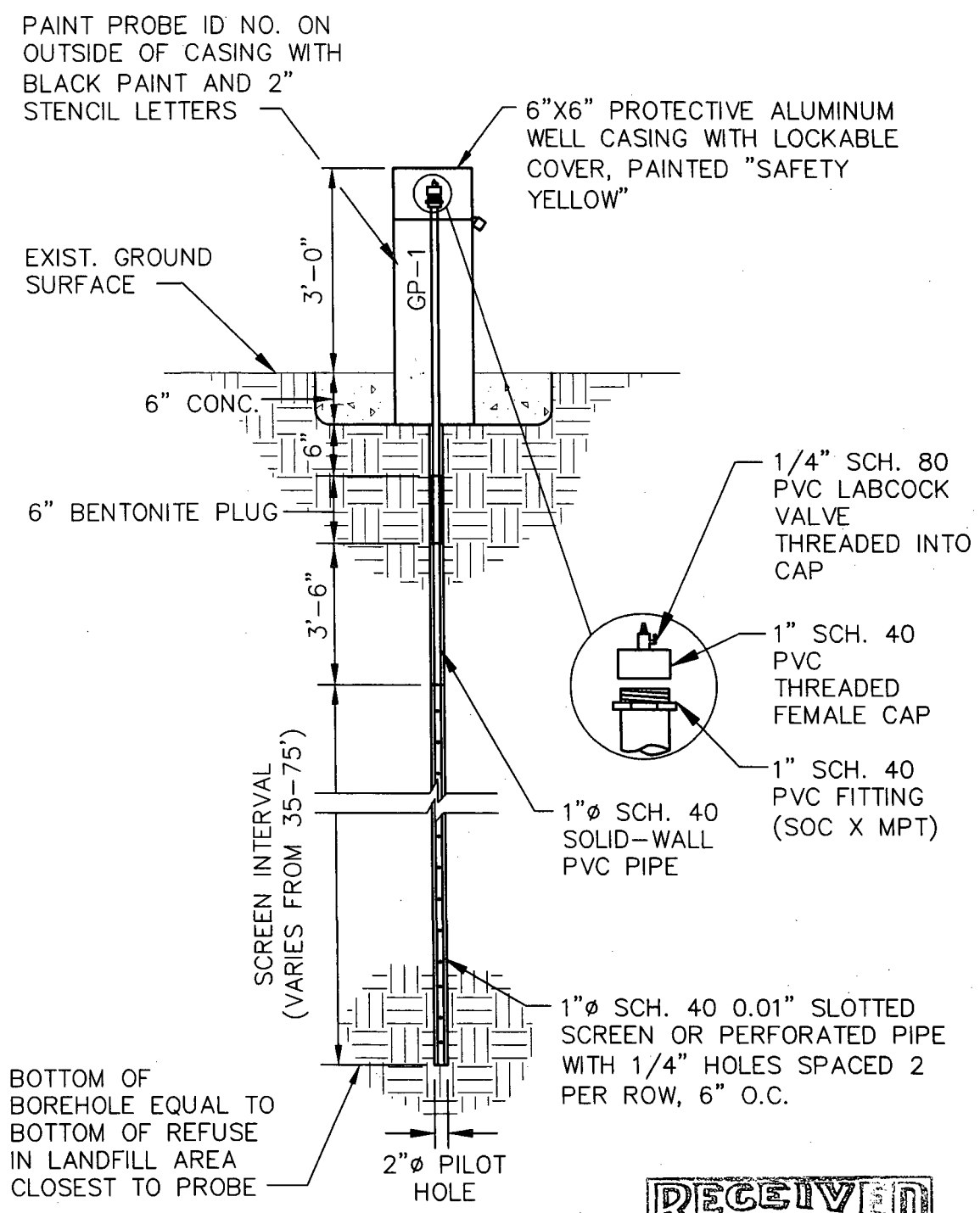


Figure 1. Proposed Landfill Gas Monitoring Probe Locations, Central Landfill, Citrus County, Florida

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SEP 14 2005
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

SCS ENGINEERS

Figure 2. Proposed LFG Monitoring Probe Detail, Central Landfill, Citrus County.



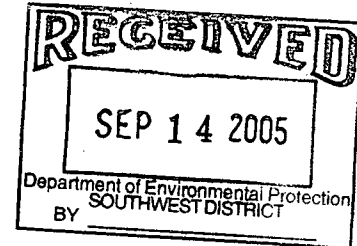
Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone: (352) 527-5303
Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

HAND DELIVERED

September 14, 2005

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



Re: Consent Agreement OGC Case No. 05-1078
Citrus County Central Landfill Class I and Closed Class I Landfill
Permit No. 21375-003-SO

Dear Ms. Getzoff:

Enclosed please find one original of the referenced consent agreement, executed by the Board of County Commissioners' Chairwoman. Following execution by the Department, either 1) return the original to me for Commission Records and they will forward a certified copy to your office or 2) provide a certified copy to the County at my address for our records and I will forward to Commission Records. We are eagerly looking forward to receipt of the operating permit for the facility and approval of construction of Phase 2, for which we understand return of this document is a prerequisite.

In addition, we are enclosing the notice of publication of the advertisement required in Paragraph 17.

We will be addressing the cause for delay in returning the consent agreement in a letter to your Solid Waste staff, requesting an extension of the consent agreement timetable due to the time to gain access to the lands to be investigated.

Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Tom Dick, Interim Director, Public Works Department
Richard Wm. Wesch, County Administrator
Theresa Steelfox, Commission Records
Vicki Phillips, Chairwoman, BOCC
Susan Pelz, FDEP, Tampa

ATTENTION



**Items were removed
from this location in
the file and inserted
separately.**

Proof of Publication
from the
CITRUS COUNTY CHRONICLE
Crystal River, Citrus County, Florida
PUBLISHED DAILY

STATE OF FLORIDA
COUNTY OF CITRUS

Before the undersigned authority personally appeared

Kathleen Niehaus

Of the Citrus County Chronicle, a newspaper published daily at Crystal River, in Citrus County, Florida, that the attached copy of advertisement being a public notice in the matter of the

878-0729 FCRN

State of Florida
Department of Environmental Protection
Notice of Consent Agreement
Display Advertisement, A/R #071-223506

Court, was published in said newspaper in the issue of
July 29, 2005.

Affiant further says that the Citrus County Chronicle is a Newspaper published at Crystal River in said Citrus County, Florida, and that the said newspaper has heretofore been continuously published in Citrus County, Florida, each week and has been entered as second class mail matter at the post office in Inverness in said Citrus County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Kathleen Niehaus

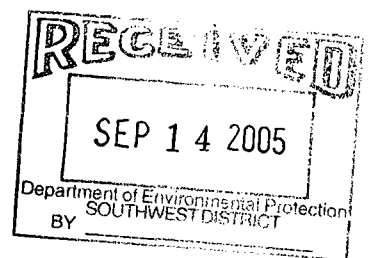
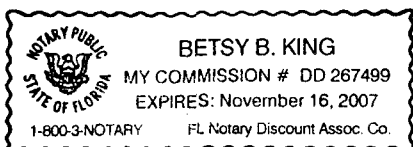
The forgoing instrument was acknowledged before me

This 28th day of July, 2005.

By: Kathleen Niehaus

who is personally known to me and who did take an oath.

B. B. King
Notary Public





Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

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

email: landfillinfo@bocc.citrus.fl.us

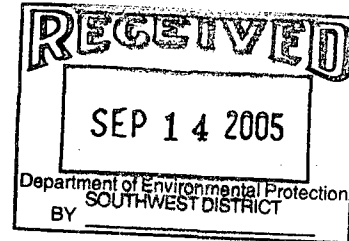
TDD Telephone: (352) 527-5303

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

HAND DELIVERED

September 14, 2005

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



Re: Consent Agreement OGC Case No. 05-1078
Citrus County Central Landfill Class I and Closed Class I Landfill
Permit No. 21375-003-SO

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Yours truly,

Susan J. Metcalfe, P.G.
Director

CC: Tom Dick, Interim Director, Public Works Department
Richard Wm. Wesch, County Administrator
Theresa Steelfox, Commission Records
Vicki Phillips, Chairwoman, BOCC
Susan Pelz, FDEP, Tampa

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

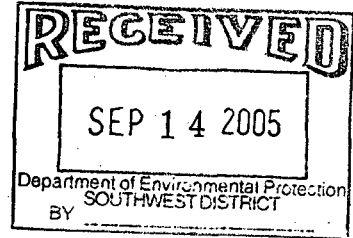
IN THE OFFICE OF THE
SOUTHWEST DISTRICT

Complainant,
vs.

OGC FILE NO. 05-1078

Citrus County
Board of County Commissioners,

Respondent.



CONSENT AGREEMENT

This Consent Agreement is entered into between the State of Florida Department of Environmental Protection ("Department") and the Citrus County Board of County Commissioners ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to administer and enforce the provisions of Chapter 403, Florida Statutes, and the rules promulgated thereunder, Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Agreement.

2. Respondent is a person within the meaning of Section 403.031(5), Florida Statutes.

3. Respondent is the operator of the Citrus County Central Class I Landfill and the Closed Class I Landfill ("facility"). The facility is located at 28 degrees 51 minutes and 8 seconds latitude, and 82 degrees, 26 minutes, and 38 seconds longitude. The facility is located

near S.R. 44, approximately 3 miles east of Lecanto in Citrus County, Florida. Respondent operates the facility under Department Permit No. 21375-003-SO ("Permit"), which expires on August 31, 2005.

4. The Department finds that the following violations occurred: According to a file review conducted on June 9, 2005, exceedances of Department ground water standards were reported at downgradient ground water monitoring wells since 2002 and exceedances of the lower explosive limit for combustible gases (calibrated to methane) were reported at landfill gas monitoring probes located at or beyond the property boundary since November 2003.

5. Having reached a resolution of the matter Department and the Respondent mutually agree and it is,

ORDERED:

6. The approved "Groundwater Investigation Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit A, and the Respondent shall implement the proposals in the Groundwater Investigation Plan pursuant to the approved schedule.

7. The approved "Landfill Gas Compliance Action Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit B, and the Respondent shall implement the proposals in the Landfill Gas Compliance Action Plan pursuant to the approved schedule.

8. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install and develop ground water monitoring wells MW-10 through MW-15 and MW-17 within 100 feet of the edge of waste disposal cells, conduct an "initial sampling event" at these wells, and submit a summary report of the initial sampling event results to the Department with

recommendations regarding the need to conduct further assessment activities, as summarized in Exhibit A.

9. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install new landfill gas monitoring probes GP-1 through GP-18, submit a to-scale construction drawing of the new gas monitoring probes, and submit gas monitoring data results to the Department, as summarized in Exhibit B. Existing gas monitoring probes shall not be abandoned until the lease expansion agreement referenced in Paragraph 10 is submitted to the Department and the permit modification referenced in Paragraph 11.a. is issued.

10. Within 90 days of the effective date of the Consent Agreement, the Respondent shall obtain a lease expansion agreement from the Division of Forestry/State Lands and submit a copy of this lease agreement to the Department. If the lease expansion agreement is not obtained within 90 days of the effective date of the Consent Agreement, the Department reserves the right to grant an extension of 30 days to Respondent to obtain such lease expansion agreement if an extension is warranted. If the Department grants a 30-day extension, then such 30-day extension shall automatically apply to Ordered Sections Paragraphs 11.a., 11.b., 11.c., 12.a. and 12.b.

11. If the lease expansion agreement referenced in Paragraph 10 is obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 120 days of the effective date of the Consent Agreement, Respondent shall submit an application for a permit modification to the Department that addresses changes in the facility's boundaries, zone of discharge (ZOD), monitoring well network, routine ground water sampling frequency, and landfill gas monitoring system.

b) If exceedances of ground water standards (primary drinking water standards listed in Rule 62-550.310, F.A.C.) or minimum criteria as specified in Chapter 62-520, F.A.C., are reported in the initial sampling event results referenced in Paragraph 8, then within 150 days of the effective date of the Consent Agreement, the Respondent shall commence site assessment activities at the affected new wells (MW-10 through MW-15 and MW-17) at the new ZOD in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

c) If exceedances of Rule 62-701.530(1)(a), F.A.C., are reported in the gas monitoring data results referenced in Paragraph 9, then within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved Landfill Gas ("LFG") Compliance Action Plan, at the new property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the new property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the

effective date of the Consent Agreement, the Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

d) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG Compliance Action Plan and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

e) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

12. If the lease expansion agreement referenced in Paragraph 10 is not obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 150 days of the effective date of the Agreement, Respondent shall commence ground water monitoring site assessment activities at the affected existing wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9) at the existing property boundary in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

b) Within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved LFG Compliance Action Plan, at the existing property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the existing property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the effective date of the Consent Agreement, the

Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

c) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG remediation system and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

d) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

13. Upon review of the submittals required by this Consent Agreement, the Department may request additional information. All additional information shall be submitted to the Department within 30 days of receipt of the Department's written request.

14. Within thirty (30) days of the effective date of this Consent Agreement, Respondent shall pay the Department \$3,000 in settlement of the matters addressed in this Consent Agreement. This amount includes \$3,000 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Agreement. Payment shall be made by cashier's check, money order, or County-issued check. The instrument shall be made payable to the "Department of Environmental Protection" and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund."

15. Respondent agrees to pay the Department stipulated penalties in the amount of \$100 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6-14 of this Consent Agreement. A separate stipulated penalty shall be assessed for each violation of this Consent Agreement. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to "The Department of Environmental Protection" by cashier's check or money order and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352. The Department may make demands for payment at any time after violations occur. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Agreement. Any penalties assessed under this paragraph shall be

in addition to the settlement sum agreed to in paragraph 14 of this Consent Agreement. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Agreement in an amount greater than the stipulated penalties due under this paragraph.

16. If any event, including administrative or judicial challenges by third parties unrelated to the Respondent, occurs which causes delay or the reasonable likelihood of delay, in complying with the requirements of this Consent Agreement, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of the Respondent and could not have been or cannot be overcome by Respondent's due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department orally within 24 hours or by the next working day and shall, within seven calendar days of oral notification to the Department, notify the Department in writing of the anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or

minimize delay. Failure of Respondent to comply with the notice requirements of this Paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Agreement.

17. Respondent shall publish the following notice in a newspaper of daily circulation in Citrus County, Florida. The notice shall be published one time only within 15 days after the effective date of the Consent Agreement by the Department.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection gives notice of agency action of entering into a Consent Agreement with Citrus County Board of County Commissioners pursuant to Section 120.57(4), Florida Statutes. The Consent Agreement addresses exceedances of groundwater standards and landfill gas criteria at the Citrus County Central Class I and Closed Class I Landfills located near S.R. 44, 3 miles east of Lecanto in Citrus County. The Consent Agreement is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

Persons whose substantial interests are affected by this Consent Agreement have a right to petition for an administrative hearing on the Consent Agreement. The Petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number for the Consent Agreement and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Agreement; (c) A statement of how each petitioner's substantial interests are affected by the Consent Agreement; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Agreement; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Agreement; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Agreement.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Agreement have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

A person whose substantial interests are affected by the Consent Agreement may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes, or may choose to pursue mediation as an alternative remedy under Section 120.573, Florida Statutes, 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.

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Respondent, 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 Consent Agreement. 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, within 10 days after the deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, 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 21 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, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

18. Entry of this Consent Agreement does not relieve Respondent of the need to comply with applicable federal, state or local laws, regulations or ordinances.

19. The terms and conditions set forth in this Consent Agreement may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with the terms of this Consent Agreement shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

20. Respondent is fully aware that a violation of the terms of this Consent Agreement may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation and criminal penalties.

21. Respondent shall allow all authorized representatives of the Department access to the property and facility at reasonable times for the purpose of determining compliance with the terms of this Consent Agreement and the rules and statutes of the Department.

22. All submittals and payments required by this Consent Agreement to be submitted to the Department shall be sent to the Florida Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

23. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Agreement, including but not limited to undisclosed releases, contamination or polluting conditions.

24. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Agreement, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this

Consent Agreement; provided, however, should the Department conclude that clean up of the contaminated area to site rehabilitation levels is not feasible; or should the Respondent not completely implement the remedial or corrective action plan (however denominated) as approved by the Department; the Department expressly reserves its right to seek restitution from Respondent for environmental damages. Within 20 days of receipt of the Department's written notification of its intent to seek said restitution, Respondent may pay the amount of the damages or may, if it so chooses, initiate negotiations with the Department regarding the monetary terms of restitution to the state. Respondent is aware that should a negotiated sum or other compensation or environmental damages not be agreed to by the Department and Respondent within 20 days of receipt of Department written notification of its intent to seek restitution, the Department may institute appropriate action, either administrative through a Notice of Violation, or judicial, in a court of competent jurisdiction through a civil complaint, to recover Department assessed environmental damages as provided by law.

25. Respondent acknowledges and waives its right to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, on the terms of this Consent Agreement. Respondent acknowledges its right to appeal the terms of this Consent Agreement pursuant to Section 120.68, Florida Statutes, and waives that right upon signing this Consent Agreement.

26. No modifications of the terms of this Consent Agreement shall be effective until reduced to writing and executed by both Respondent and the Department.

27. This Consent Agreement is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Consent Agreement is not a settlement of any criminal liabilities which may arise under Florida

law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law.

28. Respondent shall use all reasonable efforts to obtain any necessary access for work to be performed in the implementation of this Consent Agreement. If necessary access cannot be obtained, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, Respondent shall notify the Department within (5) business days of such refusal or revocation. The Department may at any time seek to obtain access as is necessary to implement the terms of this Consent Agreement. The Respondent shall reimburse the Department for any damages, costs, or expenses, including expert and attorneys fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain access as is necessary to implement the terms of this Consent Agreement. Respondent shall pay these sums to the Department or arrange a payment schedule with the Department within 30 days of written demand by the Department.

29. This Consent Agreement is a final order of the Department pursuant to Section 120.52(7), Florida Statutes, and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon the timely filing of a petition this Consent Agreement will not be effective until further order of the Department.

FOR THE RESPONDENT:

I, Vicki Phillips on behalf of Citrus County BOCC, **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: Vicki Phillips Date: July 26, 2005

Title: Chairwoman

DONE AND ORDERED this _____ day of _____, 2005,

in _____, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
District Director
Southwest District

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

Clerk

Date

Copies furnished to:
Larry Morgan, OGC
Kathy Carter, OGC (executed copy only)
Sandra Wilson, FDEP - Tampa (executed copy only)

"EXHIBIT A"

CITRUS COUNTY CENTRAL LANDFILL
GROUNDWATER INVESTIGATION PLAN

Prepared by:
JONES EDMUNDS & ASSOCIATES, INC.
730 N.E. Waldo Road
Gainesville, Florida 32641-5699
Certificate of Authorization # 1841

July 2005



Allan H. Biddlecomb, P.G.
Florida License No. 1258

7/20/05

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JUL 21 2005

SOUTHWEST DISTRICT
TAMPA

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- 2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING
- 3.0 LEASE EXPANSION
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- 5.0 SITE ASSESSMENT
- 6.0 SCHEDULE

FIGURE 1 SITE PLAN WITH PROPOSED MONITORING WELL LOCATIONS

TABLE 1 COMPLIANCE WELL CONSTRUCTION DETAILS

TABLE 2 INITIAL GROUNDWATER ANALYTICAL PARAMETER LIST

1.0 INTRODUCTION

The Citrus County Central Landfill (Landfill) is currently operated under Florida Department of Environmental Protection permit 21375-003-SO. Modifications to the current groundwater monitoring plan have been proposed as part of the 2005 permit renewal application. These modifications are in response to inadequate monitoring well construction, proximity of monitoring wells to waste, and groundwater analytical data in exceedance of drinking water standards. The following plan outlines the proposed course of action to address deficiencies in the current plan. Several "steps" in the plan are contingent upon the outcome of previous "steps". An outline of the plan including key decision points and resultant activities is provided below:

1. Lease Expansion Agreement is Approved

- a. Minor Modification of Operating Permit
 - Submit permit modification to identify new property boundary, establish new zone of discharge 100 feet from the edge of waste, and establish routine groundwater sampling frequency within 30 days of approval of lease expansion.
- b. If no exceedances of primary drinking water standards are reported in the initial sampling event results, conduct routine monitoring at new compliance wells (MW-10 through MW-15 and MW-17).
- c. If exceedances of primary drinking water standards are reported in the initial sampling event results, commence site assessment activities at affected new wells in accordance with Chapter 62-780, F.A.C., within 60 days of receipt of analytical data. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2. Lease Expansion Agreement is Denied

- a. Commence site assessment activities at existing property line in accordance with Chapter 62-780, F.A.C., within 60 days of denial of lease expansion, or end of DEP extensions.
- b. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING

The Landfill is located in central Citrus County approximately three miles east of Lecanto, Florida, near State Road 44. The landfill is located at latitude 28° 51' 07" North and longitude 82°26'12" West in Section 1, Township 19 South, Range 18 East. The Landfill is composed of a closed 60-acre site and an active 80-acre site. The active landfill is a lined cell with a leachate collection system. Except for seven acres, the closed landfill is unlined and is not served by a leachate collection system. The entire closed landfill is capped with a membrane and soil cover.

The Landfill lies within the Hernando Hammock physiographic subdivision of the Ocala Uplift District as described by Brooks (1981). This region is characterized by remnant erosional hills and ridges, which are in-filled with thick, weathered deposits of sand and clayey sand. The

landfill is also within the northern portion of the Brooksville Ridge. The Brooksville Ridge is characterized as an extensive, internally drained, karst terrain with high local relief.

Near-surface regional geology in the landfill area is typically characterized by undifferentiated sands and clays of the Hawthorn Group. The thickness and continuity of individual strata varies greatly in the area. The sand and clays act as a partial confining unit for the Floridan aquifer in some parts of the region. Beneath the undifferentiated sands and clays lies a thick sequence of Eocene age carbonate deposits, which generally consist of the Suwannee limestone, Ocala Group, and Avon Park formations.

Site specific geology is characterized by approximately 130 feet of surficial sands ranging from fine to medium sands to clayey, silty fine sands. Several 1-foot to 2-foot discontinuous clay layers are present between 50 and 80 feet bls. These sediments, when present, form a low permeability unit over the Floridan aquifer with an average hydraulic conductivity of 0.024 foot per day. These sediments do not have sufficient lateral continuity at the site to form a confining layer or support a separate perched water table aquifer. Beneath these sediments lies the Suwannee Formation. The Suwannee has a highly irregular surface beneath the site, with elevations ranging from 80 feet NGVD to -54 feet NGVD. The Floridan aquifer occurs under water-table conditions at the site and is the only consistent aquifer system present beneath the site.

3.0 LEASE EXPANSION

The County has initiated negotiations with the adjacent landowner (Florida State Division of Forestry) to expand the limits of the current lease agreement to increase the property boundary of the Landfill facility. Discussions with Ms. Gloria Nelson of the DEP Division of State Lands indicate that the current lease agreement can be amended within 90 days of submittal of a letter of intent from the local Division of Forestry representative. The letter of intent will include a legal description of the proposed expansion area. The Department may elect to grant the County up to 30 additional days from the effective date of the consent order to obtain and submit the agreement. The proposed boundary of the lease expansion is shown in Figure 1. Upon successful execution of the lease expansion, a minor permit modification application will be submitted to DEP to expand the Zone of Discharge boundary to 100 feet from the edge of waste as shown in Figure 1.

4.0 COMPLIANCE MONITORING WELL INSTALLATION

Seven new compliance monitoring wells (MW-10 through MW-15 and MW-17) will be installed with a spacing of no more than 500 feet between wells and within 100 feet of the edge of waste. The locations of the proposed downgradient monitoring wells are shown in Figure 1.

Each proposed monitoring well will be constructed of 2-inch PVC with 20-feet of 0.010-inch slotted screen extending from approximately -4 to 16 feet NGVD. This screen interval should accommodate the severe water level fluctuations observed at the site, while allowing for monitoring of the uppermost water bearing unit. The proposed monitoring well construction details are included below (Table 1).

Monitoring Well ID	Estimated Top of Casing Elevation (NGVD)	Proposed Well Screen Interval (NGVD)	
		Top	Bottom
MW-10	115	16	-4
MW-11	115	16	-4
MW-12	115	16	-4
MW-13	115	16	-4
MW-14	115	16	-4
MW-15	115	16	-4
MW-16	120	16	-4
MW-17	115	16	-4

Table

Notes:

TOC elevations and proposed well screen intervals are approximate; based on land surface elevations and historical groundwater elevations.

A piezometer (MW-16) will be installed south of existing well MW-6, to provide additional groundwater flow information. The proposed location of the new piezometer is shown in Figure 1. Proposed construction details are included above (Table 1-2).

Groundwater samples will be collected from wells MW-10, 11, 12, 13, 14, 15 and 17 to determine initial groundwater quality. Groundwater samples from the initial sampling will be analyzed for the parameters listed in Table 2 .

Field Parameters	Laboratory Parameters
Static Water Levels	Total Ammonia – N
Specific Conductivity	Chlorides
Temperature	Iron
Ph	Mercury
Dissolved Oxygen	Nitrate
Turbidity	Sodium
Colors and Sheens (by observation)	Total Dissolved Solids
	Those Parameters listed in 40 CFR Part 258, Appendix I and Appendix II

Upon the completion of the above activities, a Groundwater Monitoring Plan Evaluation Report will be submitted to DEP that includes; a discussion of the work performed, a summary of the findings and, if necessary, additional changes to the existing Groundwater Monitoring Plan. The report will also address the need to implement a Site Assessment if warranted according to 62-780.600 (1), F.A.C.

5.0 SITE ASSESSMENT

As required by 62-780.600 (1), F.A.C., a site assessment will commence within 60 days after discovery of an offsite discharge. A site assessment will be performed if one of two events occur: (1) the expanded lease agreement is approved and drinking water standard exceedances are reported for the initial sampling of the newly installed compliance monitoring wells, (2) the expanded lease agreement is denied.

The Site Assessment will be designed and implemented to comply with the requirements of 62-780.600 (3), (4), and (5), F.A.C. As defined in 62-780.600 (3), F.A.C., the objectives of the site assessment will be as follows:

- a) To evaluate the current exposure and potential risk of exposure to humans and the environment, including multiple pathways of exposure. The physical, chemical, and biological characteristics of each contaminant and the individual site characteristics shall be considered. The individual site characteristics include:
 1. The current and projected use of the affected groundwater and surface water in the vicinity of the site;
 2. The current and projected land use of the area affected by the contamination;
 3. The exposed human population and ecological receptors including the presence of threatened or endangered species (flora and fauna). A general literature review and analysis based on site-specific conditions may be sufficient;
 4. The location of the plume;
 5. The degree and extent of contamination;
 6. The rate and direction of migration of the plume;
 7. The apparent or potential rate of degradation of contaminants through natural attenuation; and
 8. The potential for further migration in relation to the source property boundary;
- (b) To determine whether contamination is present and the types of contaminants present, and to determine the horizontal and vertical extent of contamination in every medium found to be contaminated (for soil in the unsaturated zone, to the more stringent of the direct exposure residential soil CTLs and the applicable leachability-based soil CTLs provided in Chapter 62-777, F.A.C., Table II; and for groundwater, to the groundwater CTLs or to the surface water CTLs provided in Chapter 62-777, F.A.C., Table I, as applicable);
- (c) To determine or confirm the origin(s) of the source(s) of contamination, if technologically feasible;
- (d) To establish the background concentrations;
- (e) To establish the horizontal extent and thickness of free product, if technologically feasible. If the soil concentration of a contaminant is above its soil saturation concentration (C_{sat}), free product may be present. [Refer to the technical report referenced in subsection 62-780.100(2), F.A.C., for development of soil CTLs based on C_{sat} .];
- (f) To determine whether source removal, in addition to any interim source removal already performed pursuant to Rule 62-780.500, F.A.C., is warranted;
- (g) To describe relevant geologic and hydrogeologic characteristics that influence migration and transport of contaminants at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.:

(h) To determine by means of a well survey whether any public water supply wells, as defined in Chapter 62-550, F.A.C., are present within a 1/2 mile radius of the site, whether the site is located within the regulated wellhead protection zone of a public water supply well or well field, and whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a 1/4 mile radius of the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.

(i) To determine whether any surface water will be exposed to contamination that migrates beyond the boundaries of the property at which site rehabilitation was initiated pursuant to this chapter;

(j) To report any off-site activities (for example, dewatering, active remediation, or flood control pumping) in the immediate vicinity of the site that may have an effect on the groundwater flow at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.; and

(k) To facilitate the selection of a remediation strategy for the site that is protective of human health and the environment, and considers the proposed property use, identifies risks posed by the contamination based on the proposed use, and describes how those risks will be managed, unless No Further Action is deemed appropriate pursuant to the provisions of subsection 62-780.680(1), F.A.C.

Following completion of the Site Assessment, a Site Assessment Report (SAR) will be prepared which summarizes all tasks that were completed pursuant to subsections 62-780.600(3), (4), and (5), F.A.C., and the results obtained. The SAR will include one of the following:

1. A No Further Action Proposal without institutional controls or without institutional and engineering controls shall be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(1), F.A.C., or a No Further Action Proposal with institutional controls or both institutional and engineering controls may be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(2) or (3), F.A.C.;
2. A Natural Attenuation with Monitoring Plan may be included if the site meets the Natural Attenuation with Monitoring criteria of Rule 62-780.690, F.A.C.;
3. A recommendation to prepare a risk assessment or a Risk Assessment work plan shall be included if the PRSR chooses to justify alternative CTLs using risk assessment studies demonstrating that human health, public safety, and the environment are protected to at least the same degree provided by the CTLs referenced in this chapter. The work plan shall include a schedule for completion of a risk assessment and documentation adequate to support the request to do one or more of the task elements of subsection 62-780.650(1), F.A.C., and shall specify the parameters or exposure assumptions that will be used to develop the alternative CTLs pursuant to Rule 62-780.650, F.A.C.; or
4. A recommendation to prepare a Remedial Action Plan pursuant to Rule 62-780.700, F.A.C., shall be included, unless a recommendation pursuant to subparagraph 62-780.600(8)(b)1., 2., or 3., F.A.C., is included.

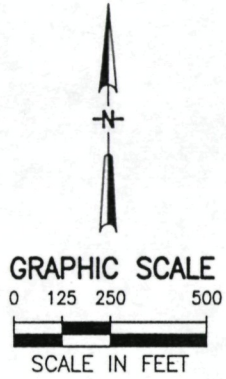
6.0 SCHEDULE

1. Within 5 days of the effective date of the consent agreement:
 - a. Obtain Interim Access Agreement from local office of Division of Forestry to install new groundwater monitoring wells.

2. Within 90 days of the effective date of the consent agreement:

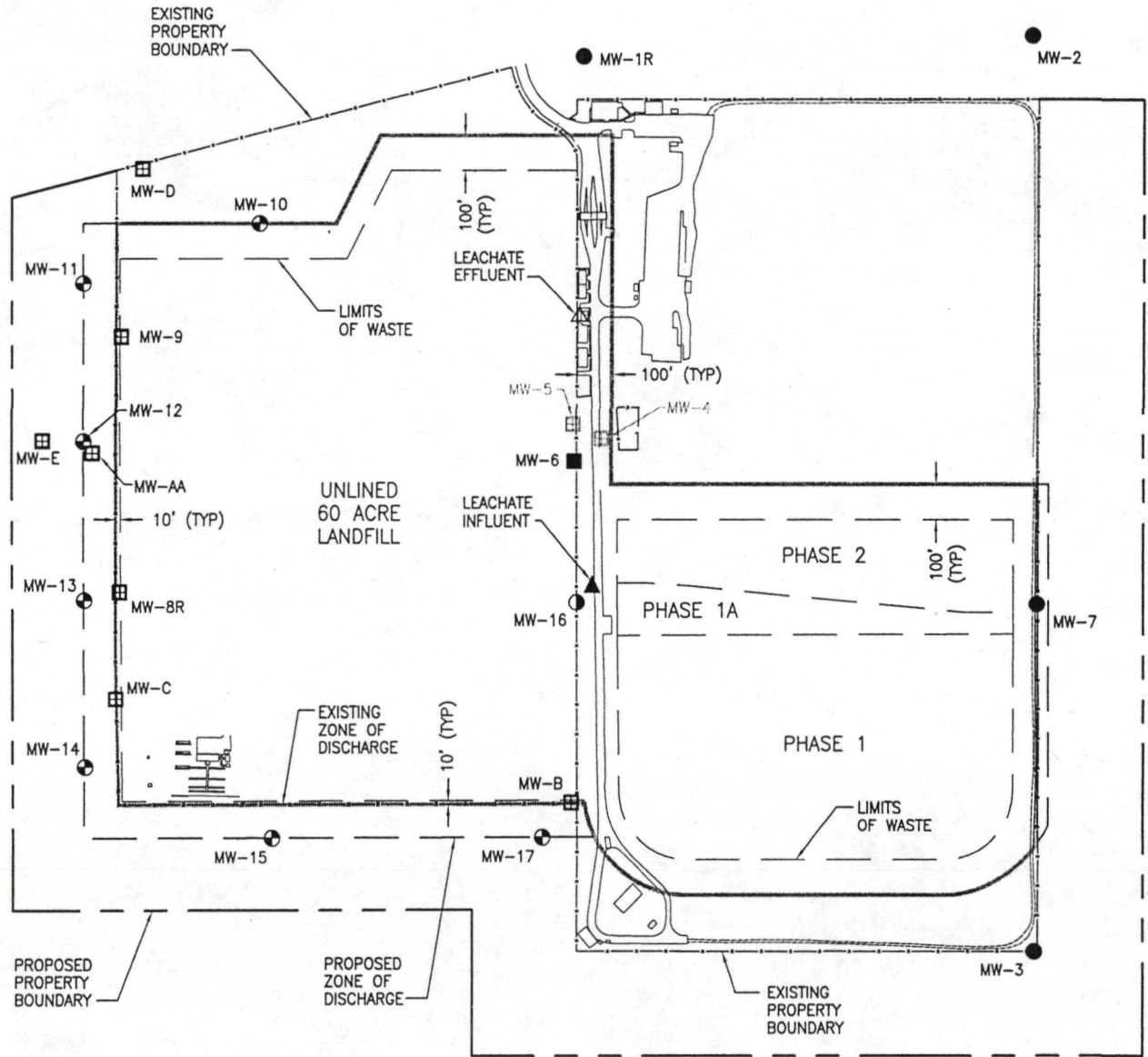
- a. Obtain lease expansion agreement with Division of Forestry and DEP Division of State Lands. Submit copy of agreement and updated boundary survey to DEP.
- b. Install and develop new downgradient monitoring wells within 100 feet of the edge of waste as shown in Figure 1.
- c. Conduct initial groundwater sampling and analysis of new wells
- d. Perform hydraulic conductivity testing at new wells
- e. Submit summary report with recommendations for routine groundwater sampling frequency and the need to conduct further assessment activities to DEP.

As required by 62-780 Table A, the SAR will be submitted within 270 days of discovery of discharge.

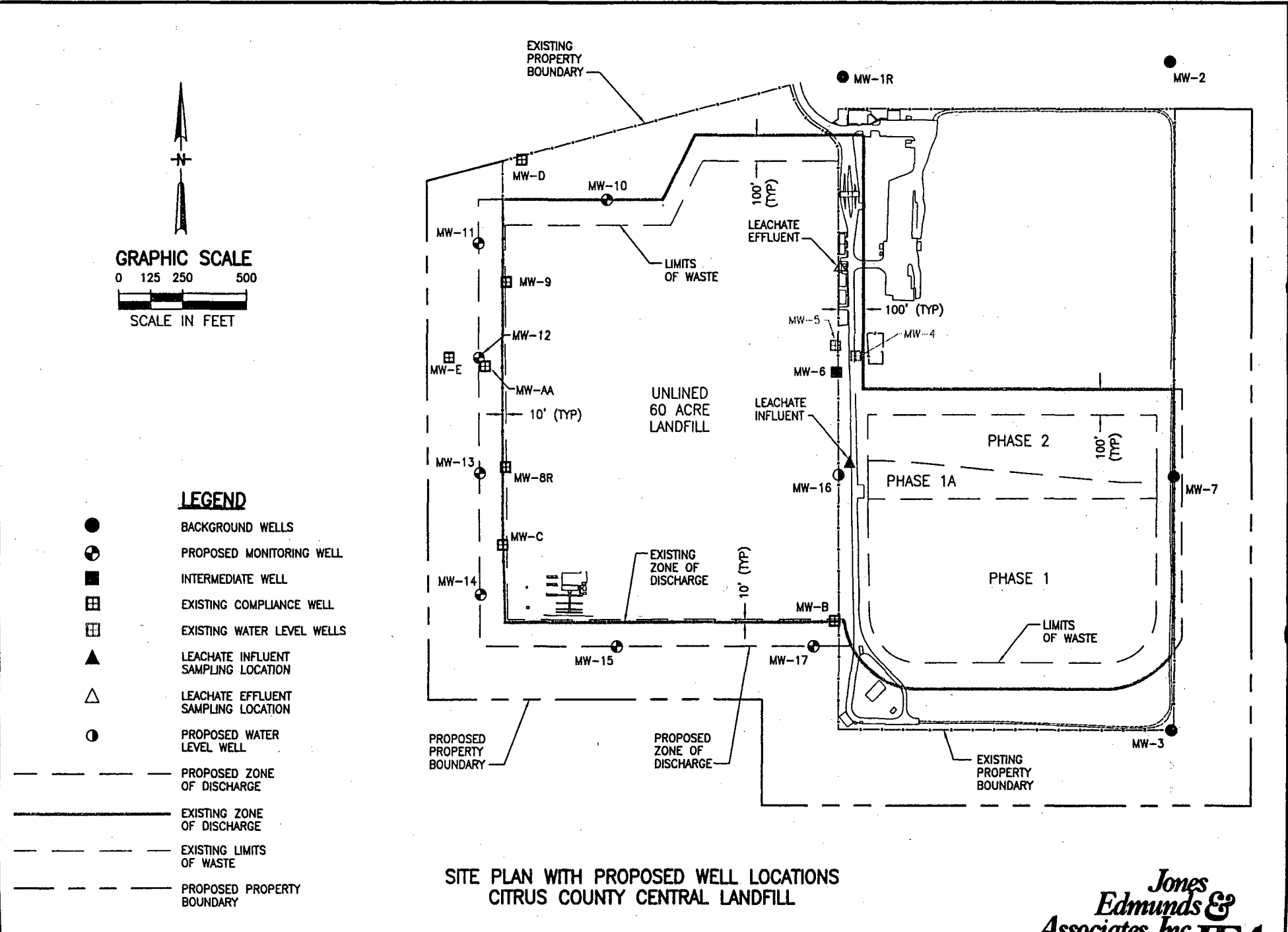


LEGEND

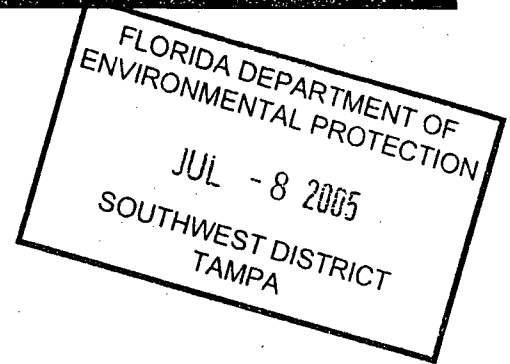
- BACKGROUND WELLS
- ⊙ PROPOSED MONITORING WELL
- INTERMEDIATE WELL
- ▣ EXISTING COMPLIANCE WELL
- ▤ EXISTING WATER LEVEL WELLS
- ▲ LEACHATE INFLUENT SAMPLING LOCATION
- △ LEACHATE EFFLUENT SAMPLING LOCATION
- PROPOSED WATER LEVEL WELL
- PROPOSED ZONE OF DISCHARGE
- EXISTING ZONE OF DISCHARGE
- EXISTING LIMITS OF WASTE
- PROPOSED PROPERTY BOUNDARY



**SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL**



"EXHIBIT B"

SCS ENGINEERSJuly 8, 2005
File No. 09199056.13Ms. Susan Pelz, P.E.
Solid Waste Permitting
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619Subject: Citrus County Central Landfill – Operations Permit Renewal
Landfill Gas Compliance Action Plan

Dear Susan:

On behalf of Citrus County, SCS Engineers (SCS) is pleased to submit the following action plan to address the requirement to reduce landfill gas (LFG) concentrations to less than the lower explosive limit (LEL) at the property line.

PROPOSED LANDFILL GAS MIGRATION REMEDIATION PLAN

Citrus County proposes a phased approach to address compliance with LFG monitoring requirements. The initial phase includes expanding the landfill boundary on the east, west, and south sides of the existing property boundary and adding 18 new LFG monitoring probes as shown on Figure 1. The probes will be constructed as described below. This proposal is expected to result in regulatory compliance without the need for additional corrective measures based on past experience with similar systems. It is very likely that as LFG migrates from the source, an equilibrium point within the proposed property limits will be reached and that in doing so will maintain regulatory compliance.

Establishing the new boundary limits will require concurrence from the Florida Division of Forestry and that approval is anticipated to be completed within 90 days. During this time period the County will install LFG monitoring probes in the locations shown on Figure 1. The County will provide a report to the Florida Department of Environmental Protection (FDEP) to include the as-built probe location drawing, details of the probe installation, initial monitoring results, a copy of the new lease agreement and updated compliance boundary survey. In the event that the additional lease from the Division of Forestry cannot be obtained or if LFG exceedances occur at the new probe locations, the County will proceed with Phase 2 of the LFG remediation plan.

Phase 2, if required, would consist of the installation of a passive venting system between the liner system and the property boundary at impacted areas. An investigation and evaluation targeted specifically at areas between the existing landfill and the property line will be conducted. The evaluation will supplement the information currently available from the existing monitoring probes and will include advancing geoprobes to a depth of 80 feet below



Ms. Susan Pelz, P.E.
July 8, 2005
Page 2

land surface and measuring subsurface gas concentrations at 10-foot intervals. Initially the probes will be spaced 100 feet apart in the areas where LFG migration is known to exist or suspected. When LFG is detected in a probe a new probe will be placed half way between the "hot" probe and the nearest probe where LFG was not detected. This process will be repeated until the area of LFG migration is determined to within approximately 25 feet.

The County will provide to FDEP a report reflecting the results of the evaluation and include proposed location(s) of the passive vents, details of the vent system, and specifications that will serve as the basis for bidding the installation. Once approved by FDEP the County will initiate the installation process. It is anticipated that Phase 2 will be completed within 60 days of the determination that the expanded property boundary cannot be obtained or if exceedances occur at the new probe locations. Should the Phase 2 LFG vent system fail to control the gas migration, Phase 3 will be initiated. Additionally, should the extended property boundary and new monitoring system be implemented and at some point in the future exceedance of regulatory limits be confirmed in the LFG monitoring probes at the new compliance boundary, Phase 3 remedial actions will be initiated.

Phase 3, if required, would consist of installation of a passive gas system within the waste in the lined landfill. This system shall include an array of LFG vents constructed along the south and east sides of the Phase 1 and 1A landfill disposal area. The vents will be located and designed to act as passive vents but may also be appropriate for connection to an active LFG extraction system, if necessary. The County will submit the plans for this proposed system to FDEP for review as a request for a permit modification. Once approved by FDEP the passive gas system will be constructed. The County proposes to complete this action within 180 days of approval of the plan by FDEP.

PROPOSED COMPLIANCE BOUNDARY

Citrus County proposes to establish a compliance boundary beyond the limits of the existing facility boundary. Figure 1 shows the locations of the proposed new LFG monitoring probes and the new property boundary. No extension of the compliance boundary to the north of the site is necessary. The proposed LFG monitoring probes will be maintained within this new boundary.

PROPOSED LANDFILL GAS MONITORING PROBES

The proposed gas monitoring probe network includes 18 permanent probes spaced approximately 500 feet apart along the north, west and south sides of the closed 60-acre landfill, and the south and east sides of the active landfill. New probes will be installed just inside the new property boundary, approximately 300 feet outside the existing fence line, which would be within the expanded compliance boundary.

Ms. Susan Pelz, P.E.

July 8, 2005

Page 3

Monitoring Probe Construction

In accordance with the provisions of Rule 62-701.530(2)(b), F.A.C., the proposed monitoring probes are designed to extend to depths equal to the base of the landfilled waste. The 11 probes surrounding the closed 60-acre landfill (i.e., GP-1 through GP-11) will be approximately 40 feet deep, which is equal to the maximum estimated depth of the closed landfill. Probes GP-12 through GP-18 will be installed to depths of approximately 80 feet, which is consistent with the depth of waste in Phases 1/1A and 2. Figure 2 provides a detail of the proposed probe construction.

Each probe will be installed with a direct push-type rig to create a borehole approximately two inches in diameter. A retractable tip will be used on the pilot probe so that subsurface gas concentrations can be measured at 10-foot intervals during the borings. Gas concentrations will be measured using handheld field monitoring equipment. The data collected during installation will be included in the daily logs and maintained on file with Citrus County. As shown on Figure 2, probes will be constructed of 1-inch diameter schedule 40 PVC pipe. The perforated section of the probe will begin five feet below ground surface and extend to the bottom of the borehole. From five feet below ground surface to the top of the probe will be solid-wall pipe. A bentonite plug will be installed two feet below ground surface to help seal the borehole. A threaded cap with a labcock or quick-connect monitoring port will be installed at the top of each probe, and protective casings will be installed around the above-grade portion of the probes.

A well schedule for the proposed probes is provided below in Table 1.

**TABLE 1. PROPOSED WELL SCHEDULE
LANDFILL GAS MONITORING PROBES, CENTRAL LANDFILL**

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-1	40	35	5	3
GP-2	40	35	5	3
GP-3	40	35	5	3
GP-4	40	35	5	3
GP-5	40	35	5	3
GP-6	40	35	5	3
GP-7	40	35	5	3
GP-8	40	35	5	3
GP-9	40	35	5	3
GP-10	40	35	5	3

TABLE 1. (Continued)

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-11	40	35	5	3
GP-12	80	75	5	3
GP-13	80	75	5	3
GP-14	80	75	5	3
GP-15	80	75	5	3
GP-16	80	75	5	3
GP-17	80	75	5	3
GP-18	80	75	5	3

Abandonment of Existing Monitoring Probes

All existing monitoring probes will be abandoned in place upon approval of the revised property boundary and installation of the new probes.

Future Monitoring Probes

Figure 1 includes the locations of five future monitoring probes along the north east property line near the existing soil stockpile area. Because waste is not disposed of in this area, there is no need to install probes in this portion of the site. However, if the landfill is expanded to the north of Phase 2, Citrus County will install these probes to monitor for potential LFG migration adjacent to future landfill areas.

MONITORING OF ON-SITE STRUCTURES

In order to ensure the safety of workers inside and around permanent structures on site, ambient air will be monitored on a quarterly basis in on-site structures in accordance with the requirements of Rule 62-701.530(2)(a), F.A.C. As stated above and in Rule 62-701.530(1)(a), F.A.C., the methane concentration in on- or off-site structures may not exceed 25 percent of the LEL, or 1.25 percent methane by volume. The following gas monitoring will be performed in structures at the facility.

- Explosive gas alarms located in the scale house building and leachate treatment plant electrical room will provide continuous monitoring for unacceptable concentrations of explosive gas. These monitors are designed to sound an alarm when methane concentrations exceed 25 percent of the LEL. The signal remains on as long as gas is present, and a red alarm light stays on after an alarm condition

in order to alert personnel that methane was detected during their absence. Log sheets will be kept at each location to record when the alarm has been triggered, and each alarm will be calibrated or replaced on a regular basis according to the schedule recommended by the manufacturer.

- On a quarterly basis the following structures will be monitored:
 - Administration building
 - Scale house
 - Leachate treatment plant
 - Gun ranges

Monitoring will consist of using handheld instruments to monitor for combustible gases at all slab penetrations, floor drains, cracks in the slabs, along baseboards, in electrical boxes and outlets, and in enclosed spaces such as closets and ground-level cabinets.

GAS MONITORING PROCEDURES

The monitoring procedures for the probes and on-site structures are outlined below.

Monitoring Procedures for Probes

Each probe will be monitored on a quarterly basis for static pressure and methane concentration, or combustible gases using an instrument calibrated to methane. Methane will be measured and recorded in terms of a percent by volume in air or as a percentage of the LEL. The monitoring equipment will be calibrated each day prior to the monitoring.

The general procedure for monitoring at each probe will be as follows:

1. Record meteorological conditions including ambient temperature and barometric pressure.
2. Calibrate the methane monitoring equipment.
3. Purge any calibration gas or gas from previous probes from the methane monitoring instrument.
4. Zero the pressure gauge.
5. Prior to monitoring, note any damage to the probe, and repair if necessary. Failure to repair damage to the above ground casing, cap, or monitoring probe can affect the validity of the monitoring results.
6. Attach the sampling hose to the pressure meter and the labcock valve on the

monitoring probe.

7. Record the time of monitoring for the probe.
8. Open the labcock valve.
9. Measure and record the pressure in the probe.
10. Close the labcock valve.
11. Connect the methane monitoring instrument to the sampling hose.
12. Open the labcock valve.
13. Turn on the meter and observe the gas concentration readings, noting any spikes in concentration.
14. After the gas concentration readings stabilize, record the steady-state reading, making note of any spike that occurred prior to reaching a steady-state reading. Note that per Rule 62-701.530(2)(b), F.A.C., purging of the probe is not allowed.
15. Remove the instrument and hose, and close the labcock valve.
16. Repeat steps 3 through 15 for each probe.

Any problems encountered during monitoring, observations, or other pertinent information that could impact the interpretation of the data shall be recorded.

Monitoring Procedures for On-Site Structures

The following on-site structures will be monitored for methane or combustible gas on a quarterly basis using handheld field instruments in accordance with Rule 62-701.530(2)(a), F.A.C.:

- Administration building
- Scale house
- Leachate treatment plant
- Gun ranges

Methane will be monitored and recorded in terms of the percent by volume in air or as a percentage of the LEL, and the monitoring equipment will be calibrated each day prior to the monitoring.

The general locations for monitoring at each structure will be as described below.

Administration Building--

A handheld meter will be used to monitor for methane at each of the following locations:

- Along the baseboards in each of the rooms, closets, and hallways
- In all ground-level cabinets
- At the floor drains in the bathrooms
- At all electrical outlets in each room and hallway
- At electrical panels inside and outside the building
- At outdoor electrical outlets

Scale House--

A handheld meter will be used to monitor for methane in the scale house at each of the following locations:

- Along the baseboards
- At any cracks in the concrete slab or flooring
- In all ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Leachate Treatment Plant--

Methane concentration will be checked at the following locations at the leachate treatment plant:

- At any cracks in the concrete slab or flooring
- In any ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Gun Ranges--

There are two gun ranges on site that are operated by the Withlacoochee Technical Institute on the closed 60-acre landfill. At both gun ranges, the following locations will be monitored for methane.

- At cracks in the concrete slabs
- At all electrical outlets and switches
- At all slab penetrations, such as support posts for the roofs of the firing platforms

Ms. Susan Pelz, P.E.
July 8, 2005
Page 8

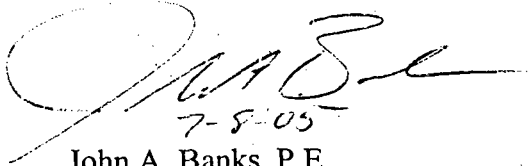
REPORTING

Results of the monitoring will be reported to FDEP quarterly. If the results of the monitoring show that combustible gas concentrations exceed the limits specified in Rule 62-710.530(1)(a), F.A.C., Citrus County will take the following actions:

- Immediately take all necessary steps to ensure protection of human health and notify FDEP of the exceedances.
- Within seven days of the detections, submit to FDEP for approval a gas remediation plan. The gas remediation plan must describe the nature and extent of the problem and the proposed remedy. The remedy must be completed within 60 days of detection unless otherwise approved by FDEP

Please call us if you have any questions.

Very truly yours,



7-8-05

John A. Banks, P.E.
Project Director

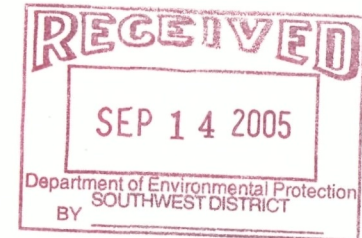
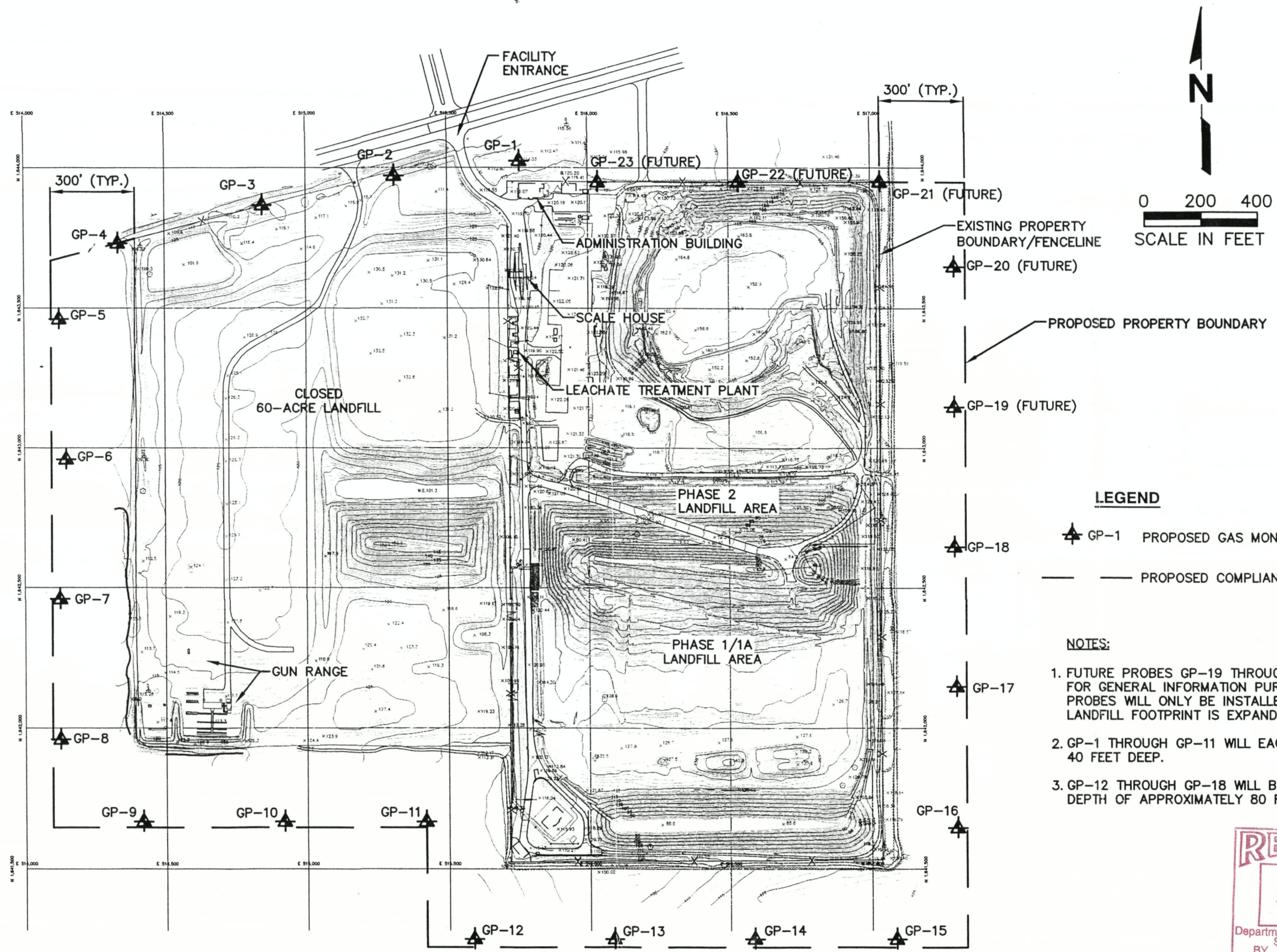


Raymond J. Dever, P.E., DEE
Vice President
SCS ENGINEERS

JAB/RJD:jab

cc: Susan J. Metcalfe, P.G., Citrus County w/enclosures

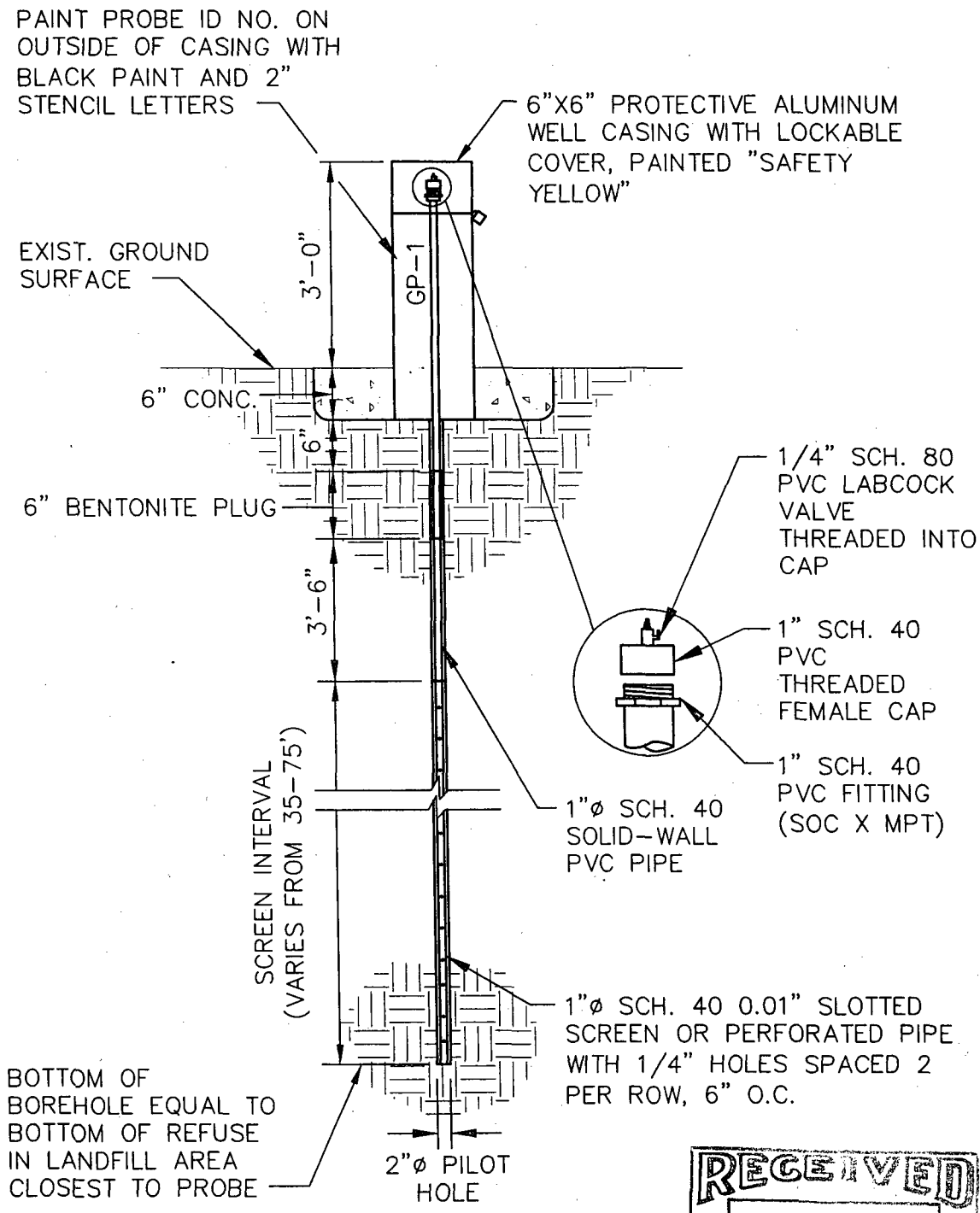
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SCS ENGINEERS

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

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Department of Environmental Protection
SOUTH-WEST DISTRICT
BY _____

SCS ENGINEERS

Figure 2. Proposed LFG Monitoring Probe Detail, Central Landfill, Citrus County.

878-0729-FCRN

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection gives notice of agency action of entering into a Consent Agreement with Citrus County Board of County Commissioners pursuant to Section 120.57(4), Florida Statutes. The Consent Agreement addresses exceedances of groundwater standards and landfill gas criteria at the Citrus County Central Class I and Closed Class I Landfills located near S.R. 44, 3 miles east of Lecanto in Citrus County. The Consent Agreement is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

Persons whose substantial interests are affected by this Consent Agreement have a right to petition for an administrative hearing on the Consent Agreement. The Petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number for the Consent Agreement and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Agreement; (c) A statement of how each petitioner's substantial interests are affected by the Consent Agreement; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Agreement; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Agreement; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Agreement.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Agreement have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

A person whose substantial interests are affected by the Consent Agreement may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes, or may choose to pursue mediation as an alternative remedy under Section 120.573, Florida Statutes, 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.

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Respondent, 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 Consent Agreement. 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, within 10 days after the deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, 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 21 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, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

RCL



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Proof of Publication

from the

CITRUS COUNTY CHRONICLE

Crystal River, Citrus County, Florida

PUBLISHED DAILY

STATE OF FLORIDA
COUNTY OF CITRUS

Before the undersigned authority personally appeared

Kathleen Niehaus

Of the Citrus County Chronicle, a newspaper published daily at Crystal River, in Citrus County, Florida, that the attached copy of advertisement being a public notice in the matter of the

878-0729 FCRN

State of Florida

Department of Environmental Protection

Notice of Consent Agreement

Display Advertisement, A/R #071-223506

Court, was published in said newspaper in the issue of
July 29, 2005.

Affiant further says that the Citrus County Chronicle is a Newspaper published at Crystal River in said Citrus County, Florida, and that the said newspaper has heretofore been continuously published in Citrus County, Florida, each week and has been entered as second class mail matter at the post office in Inverness in said Citrus County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Kathleen Niehaus

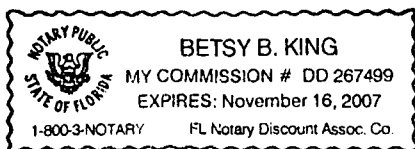
The foregoing instrument was acknowledged before me

This 28th day of July, 2005.

By: Kathleen Niehaus

who is personally known to me and who did take an oath.

B. B. King
Notary Public



Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Tuesday, September 13, 2005 5:11 PM
To: Petro, Stephanie; Pelz, Susan
Subject: consent-agreement.correspondence

Commissioner Bartell did not receive his copy of the correspondence until just before today's BOCC meeting. Staff is preparing a transmittal letter and will deliver the documents tomorrow.

Petro, Stephanie

From: Petro, Stephanie
Sent: Friday, September 09, 2005 1:32 PM
To: 'Susan Metcalfe'
Cc: Morris, John R.; Morgan, Steve; Pelz, Susan
Subject: RE: letter from DEP to County

Susie,

Yes, it was sent "Certified Mail, Return Receipt Requested" via U.S. Postal Service.

Stephanie Petro, FDEP SW District Office, Solid Waste Section
Telephone: 813-744-6100, ext. 451 (suncom 512-1042, ext. 451)
Facsimile: 813-744-6125; E-mail: stephanie.petro@dep.state.fl.us
<mailto:stephanie.petro@dep.state.fl.us>

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Friday, September 09, 2005 1:07 PM
To: Petro, Stephanie
Cc: Morris, John R.; Morgan, Steve; Pelz, Susan
Subject: RE: letter from DEP to County

Stephanie

Thank you. We will be working on our response.
Do you know if this was US Mail?
Susie

>>> "Petro, Stephanie" <Stephanie.Petro@dep.state.fl.us> 09/09/2005 12:43 PM >>>
Susie,

As you have requested, I have attached an electronic copy of the letter from Ms. Getzoff to Commissioner Bartell. This letter has been signed and is going out in today's mail.

If you have any questions, please let me know.

Stephanie Petro, FDEP SW District Office, Solid Waste Section
Telephone: 813-744-6100, ext. 451 (suncom 512-1042, ext. 451)
Facsimile: 813-744-6125; E-mail: stephanie.petro@dep.state.fl.us
<mailto:stephanie.petro@dep.state.fl.us>

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

From: Pelz, Susan
Sent: Thursday, September 08, 2005 6:06 PM
To: Petro, Stephanie
Subject: FW: letter from DEP to County

After the letter goes out, please email it to Susie Metcalfe.

thanks

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, September 08, 2005 5:12 PM
To: Pelz, Susan
Cc: Morgan, Steve
Subject: letter from DEP to County

Susan,

I understand that a letter is being drafted from Ms. Getzoff to Commissioner Bartell concerning our status and the Department's advice related to the consent agreement, Phase 2 construction certification approval and the operating permit. We are requesting that a copy of that letter be faxed or e-mailed to my office as soon as it is ready. Our BOCC meets next Tuesday and having that document in hand affords them an opportunity to discuss options and to direct staff as to how to proceed.

Staff would like to be able to review the letter and provide considered responses to BOCC questions as they come up at the meeting. Thanks.

Susie Metcalfe

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

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

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:

7003 2260 0003 4550 5437

Commissioner Gary Bartell, 1st Vice-Chairman,
 District 2
 Citrus County Board of County Commissioners
 110 North Apopka Avenue
 Inverness, FL 34450

4b. Service Type

- | | |
|---|------------------------------------|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

9-12-05

5. Received By: (Print Name)

Sheila Johnston

6. Signature? (Addressee or Agent)

X 

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

Thank you for using Return Receipt Service.

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12

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State of Florida
Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-1352

Solid Waste

Stephanie Petro

C066



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September 9, 2005

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Commissioner Gary Bartell, 1st Vice-Chairman,

Street, Apt.
or PO Box

District 2

City, State

Citrus County Board of County Commissioners

110 North Apopka Avenue
Inverness, FL 34450

PS Form 3

Instructions

70003 2260 0000 0000 4554 5437



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

September 9, 2005

Colleen M. Castille
Secretary

CERTIFIED MAIL 7003 2260 0003 4550 5437
RETURN RECEIPT REQUESTED

Commissioner Gary Bartell
1st Vice-Chairman, District 2
Citrus County Board of County Commissioners
110 North Apopka Avenue
Inverness, Fl. 34450

RE: Pending operation permit renewal Citrus County Central Class I landfill
Draft Consent Agreement, OGC Case #05-1078

Dear Commissioner Bartell:

It is the Department's understanding that the County had hoped to secure an interim access agreement with the Division of Forestry to allow County contractors to install groundwater monitoring wells and gas monitoring probes on the State-owned lands adjacent to the Citrus County landfill. The Department appreciates the County's efforts to keep us apprised of the ongoing negotiations with Division of Forestry. Unfortunately, it appears that the negotiations for the interim access agreement do not appear to be progressing as the County had hoped. Likewise, it seems that based on the continued uncertainty surrounding the access issue, the County has elected to not return a signed Consent Agreement to the Department to finalize.

Please be assured that the Department is aware of the County's landfill capacity limitations and has been working closely with County staff to expedite our reviews. However, I would like to take this opportunity to clarify the requirements of the Consent Agreement and its relationship to the continued operation of the landfill.

Paragraphs 8 and 9 of the draft Consent Agreement require that the proposed groundwater monitoring wells and gas monitoring probes shall be installed within 90 days of the execution of the Agreement. However, if access to the adjacent property is not granted by Division of Forestry it may be considered to be a "circumstance beyond the reasonable control of the Respondent" as described in Paragraph #16 of the Agreement. Under this scenario, the County would be required to complete the activity in the timeframe agreed to by the Respondent and the Department pursuant to Paragraph #16.

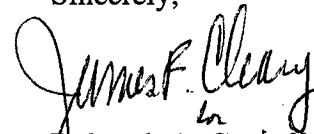
If access to the adjacent property is not granted, it may logically follow that a lease expansion will not be granted by Division of Forestry. In this case, Paragraph #11 of the Agreement does not apply, and the County shall initiate assessment and corrective actions for the groundwater contamination and landfill gas migration pursuant to Paragraph #12 of the Agreement.

"More Protection, Less Process"

The Department recognizes the County's efforts to obtain the required access agreement to date. However, the Department believes that execution of the Consent Agreement provides the flexibility that the County needs, and also provides the Department with reasonable assurance that the County will comply with Department rules, and therefore may issue the pending operation permit.

Let me encourage you to continue the County's commitment to resolving the issues by returning the signed Consent Agreement for the Department's execution **by close of business September 14, 2005**. In the event that a signed Consent Agreement is not received by the Department by that date, the Department will withdraw its settlement offer (i.e., the Consent Agreement) and will seek other administrative remedies to ensure the timely assessment and completion of corrective actions for the groundwater contamination and gas migration at the Citrus County Central Landfill. If you have any questions, please feel free to contact me at (813) 744-6100 x 352, or Susan Pelz, P.E., our Solid Waste Program Manager, at (813) 744-6100 x 386.

Sincerely,


Deborah A. Getzoff
District Director
Southwest District

sjp/DAG

cc: Ken Frink, Citrus County Public Works Director
Susan Metcalfe, Citrus County Solid Waste Management Division Director
Keith Mousel, Division of Forestry, Brooksville
William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

Petro, Stephanie

From: Morgan, Steve
Sent: Friday, August 26, 2005 8:12 AM
To: Morris, John R.; Petro, Stephanie
Subject: FW: Landfill gas monitoring

I do not know if Susan already forwarded this to you, so here it is FYI.

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, August 25, 2005 10:22 AM
To: Morgan, Steve; Pelz, Susan
Cc: Thomas Dick
Subject: Landfill gas monitoring

This is to report exceedences of the standard for methane in two wells that were monitored yesterday. GS-1E and GS 2E both contained more than 5% methane. I will follow up with a letter.

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

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

Pelz, Susan

From: Pelz, Susan
Sent: Wednesday, August 24, 2005 7:41 AM
To: 'Susan Metcalfe'
Cc: Morris, John R.; Morgan, Steve
Subject: RE: Status update

Susie,

Thanks for the update. I have a couple of timeclock submittals in front of the Phase 2 Certification. I hope to get to it shortly. The Operation permit is 90% drafted & in my box for my review. As soon as I get done reviewing it, I'll (or Steve will) email the draft to you.

I received the information about the carbon cleanup, but haven't had time to look at it in detail (so far I've only flipped through it).

The complainant has requested to be anonymous. I am discussing what this means in terms of releasing information to the County with our attorneys and senior staff. I'll let you know as soon as we reach a decision. Most everyone is at a workshop for the rest of the week, and I will be out of the office next week (I'll be checking email), so it may be a few weeks to get back to you on this point.

As far as closure cost estimates, since we have not arrived at a statewide decision on the leachate management cost issue, we will allow the estimates we approved last month to be valid until September 1, 2006 **OR** when we reach consensus (we'll notify you of this) on how the Department is going to approach the leachate cost issue **whichever is earlier**. At that time, revised estimates (not inflation-adjusted) will be required.

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

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, August 22, 2005 1:48 PM
To: Pelz, Susan
Subject: Status update

Susan,

Time for another update on several items.

Consent Agreement

Keith Mousel (Brooksville Forestry) now indicates that a signed sublease amendment will be required prior to the County being able to access the Forestry property for the investigation activities required in the Consent Agreement. Steve Bohl (Tallahassee Forestry) reported that it would take a couple weeks for Tallahassee staff to review the proposed terms provided by the Brooksville office. (One week left to go on that timeline if a couple is really two). They would then submit a draft agreement to us for our review. If OK with the County, it would take up to 3 weeks on a fast track to get our Board to execute an agreement. If we need to negotiate terms, the process would obviously take longer. Progress is being made as fast as I believe we can make it happen.

Inspection comment

Cleanup of the spilled carbon has been completed and a response letter

has been sent to your office. You may inspect at any time.

When your investigation is complete, I will be asking for information related to the complaint, such as form of the contact (in person, phone, fax, e-mail, courier or US mail), date and time of the complaint and any followup correspondence, content of the complaint. If the complainant identified him/herself we will request that name as well.

Phase 2 construction certification

You indicated that you would be able to approve the construction soon; any update on your schedule?

Operating permit

You indicated that you would have a draft permit ready for review soon; any update on your schedule?

Closure cost estimate

Can we consider the closure and LTC cost estimate submitted this summer with the permit application our official "before September 1" document?

Susie

Tracking:

Recipient

'Susan Metcalfe'
Morris, John R.
Morgan, Steve

Read

Read: 8/24/2005 7:52 AM
Read: 8/24/2005 8:08 AM

Petro, Stephanie

From: Pelz, Susan
Sent: Monday, August 22, 2005 2:38 PM
To: Morris, John R.; Petro, Stephanie
Subject: Fw: Status update

Fyi

Sent from my BlackBerry Wireless Handheld

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

From: Susan Metcalfe <Susan.Metcalfe@bocc.citrus.fl.us>
To: Pelz, Susan <Susan.Pelz@dep.state.fl.us>
Sent: Mon Aug 22 12:47:38 2005
Subject: Status update

Susan,

Time for another update on several items.

Consent Agreement

Keith Mousel (Brooksville Forestry) now indicates that a signed sublease amendment will be required prior to the County being able to access the Forestry property for the investigation activities required in the Consent Agreement. Steve Bohl (Tallahassee Forestry) reported that it would take a couple weeks for Tallahassee staff to review the proposed terms provided by the Brooksville office. (One week left to go on that timeline if a couple is really two). They would then submit a draft agreement to us for our review. If OK with the County, it would take up to 3 weeks on a fast track to get our Board to execute an agreement. If we need to negotiate terms, the process would obviously take longer. Progress is being made as fast as I believe we can make it happen.

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Phase 2 construction certification

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Closure cost estimate

Can we consider the closure and LTC cost estimate submitted this summer with the permit application our official "before September 1" document?

Susie

290592

Florida Department of Environmental Protection - Enterprise Applications

Query Coll Rpts Rfnd Exit CRA Window

ORACLE

Cash Receiving Application - Collection Point Log Remittance

Collection Point Log Remittance

AREA **SWD** Total **CRAF006A**
\$3,000.00

Remittance **638674** Type **CP** Received Date **08/16/2005** Status **RECEIVED**

SYS\$RCPT **511807** PNR Check # **259111** Amount **3,000.00**

SSN/FEI# Name **CITRUS COUNTY BOCC**

First Middle Title Sur

Address1 **110 N APOPKA AVENUE** Short Comments

Address2 **OGC 05-1077 SO 1078**

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

PAYMENT (S)

Payment#	Distr	CL	Object	Payment	Reference#	Applic/	Fund *	status
	Area		Code/Description	Amount				
704116	SWD		018003 LCT-REIMB.LEGAL	\$3,000.00	051077		ECOSYS	COMPLETE

COMMIT FREQUENTLY **\$3,000.00** Payment total

Press *TAB* to accept Collection Point or enter F&A

start | Inbox - ... | 4 Inter ... | Documen ... | 9:32 AM

CHECK REQUEST



C

- Return Check to Department
- Mail Check

Department: Southwest District Tampa Solid Waste Management/Landfill
 Date: July 22, 2005
 Approved By: Thomas H. Dick, Ass't DPW Director *[Signature]*
 Requested By: Susan J. Metcalfe, Director, SWM *[Signature]*

Vendor #: ~~5481~~ 0548.4
 Check to: Dept. of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

Ship to:
Dept. of Environmental Protection
Attention: Susan Pelz
3804 Coconut Palm Drive
Tampa, FL 33619

TYPE	DESCRIPTION	AMOUNT	CHARGE ACCT.
POSTAGE			
PERMIT	Administrative Fees for Consent Agreement "OGC File No. 05-1077" & "Ecosystem Management and Restoration Trust Fund"	\$ 3,000.00	401-5216-54912
SUBSCRIPTION/DUES			
SUBSCRIPTION RENEWAL			
OTHER			
PETTY CASH			

TOTAL AMOUNT OF CHECK: \$ 3,000.00

3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

d) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

14. Upon review of the submittals required by this Consent Agreement, the Department may request additional information. All additional information shall be submitted to the Department within 30 days of receipt of the Department's written request.

15. Within thirty (30) days of the effective date of this Consent Agreement, Respondent shall pay the Department \$3,000 in settlement of the matters addressed in this Consent Agreement. This amount includes \$3,000 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Agreement. Payment shall be made by cashier's check or money order. The instrument shall be made payable to the "Department of Environmental Protection" and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund."

16. Respondent agrees to pay the Department stipulated penalties in the amount of \$100 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6-15 of this Consent Agreement. A separate stipulated penalty shall be assessed for each violation of this Consent Agreement. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Friday, August 12, 2005 10:14 AM
To: Pelz, Susan
Subject: consent agreement payment

The \$3,000 payment for consent agreement expenses has been forwarded directly to your office from the Clerk's office here in Citrus County. We told them to include all the required info on the check, but we do not have a copy so, I can't confirm that it is thoroughly identified.

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, August 11, 2005 4:41 PM
To: Pelz, Susan
Cc: Thomas Dick; jlocklear@jea.net; jbanks@scsengineers.com
Subject: status on several items

Susan,
Since I had not talked to you recently, I thought it would be good to give you an update on the several items we are working on.

~~Consent Agreement~~

Our BOCC has approved and we are holding this document pending permission for access to the Forestry property.

Keith Mousel (Forestry) indicated he would have some information on the timing of access "any day now". He expects that the answer will be that access will be allowed as soon as he gets that confirmation from the Forestry staff in Tallahassee. (An executed sublease amendment will not be required prior to access.)

The locally proposed terms of the sublease amendment have not been reviewed by Tallahassee staff as yet either, however he confirms that this is the intended format of the agreement and that the time frame is "weeks". We expect that it will include restrictions on use of the space for investigation and monitoring only, leaving the space in as near as possible the natural state, reserving their right to harvest timber and perform prescribed burns plus some value of land and/or services from the County to the State for mitigation of the impacts (land swap, exotic species control, forest road improvements).

The required advertisement has been run and is ready to submit along with the executed consent agreement.

Operating permit

Based on our phone conversation about 2 weeks ago, I believe you have all the information you need to process the operating permit and Phase 2 construction certification.

We are wondering if you have draft language ready to share so that we can review this?

Phase 1/1A filling

We have the letter from Ms. Getzoff indicating filling over 1/1A will not be pursued as an enforcement item. We are utilizing this volume.

Inspection comment

We have not yet completed the carbon spill cleanup because it is all hand work, but we are making good progress. We will send photos and a letter response.

Susie

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, July 27, 2005 1:06 PM
To: Pelz, Susan
Cc: Thomas Dick
Subject: consent agreement

Susan,

Our Board approved and signed the consent agreement yesterday, however we will hold on to it until we have a better idea of what the timetable is with Forestry for access. They need for us to agree to the concept of the terms of the lease before allowing access. I am working diligently with them to come up with those items.

We will get the document to your office for Ms. Getzoff to sign as soon as we can while still keeping to the action timetable. Of course we are interested in doing this as quickly as possible, given our desire to have a permit to use Phase 2.

Susie

Petro, Stephanie

From: Pelz, Susan
Sent: Tuesday, July 26, 2005 9:53 AM
To: Susan Metcalfe (E-mail)
Cc: Petro, Stephanie; Pelz, Susan; Kutash, William; Foster, Thorin D.
Subject: Consent Agreement execution

Susie,

I received your fax (apparently my email is not working correctly).

The Department acknowledges the County's time/capacity limitations, and accordingly desires to expedite the execution of the Agreement. Additionally, the Department expects (in typical cases) that it will take the Respondent (i.e. the County) some time to review the Agreement and provide the executed document back to the Department for final execution. Therefore, the Department's preference is that the BOCC review the document and return the executed copy when the County is more confident in the timeframes required for gaining access to the Div. of Forestry property (i.e. Option 1 on your fax).

Please be reminded that the authorization to operate over Phase 1/1A expires September 30, 2005 and the Consent Agreement must be executed by the County and Department prior to that date in order for the Department to issue the operation permit that allows operation in Phase 2.

I have sent a request to our IT staff to see if they can figure out the email problem (hopefully it will be corrected soon).

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

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Tuesday, July 26, 2005 8:35 AM
To: Pelz, Susan
Subject: Fwd: consent agreement execution



consent
reement executi

This is the item that was sent yesterday afternoon.

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

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

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Monday, July 25, 2005 3:21 PM
To: Pelz, Susan
Subject: consent agreement execution

Susan,

We have information from Forestry that they would like to have some more time to go over the details of the impacts of consent agreement between the County and FDEP on the forest resources. We recognize that they have not had as much time to ponder the document as the County and the Department and that they have some different perspectives on the activities that we need to discuss with them.

The County would like to proceed as quickly as possible in light of our available space dilemma, however we do not want to put ourselves in a position that we cannot live with the time frames in the consent agreement because we do not yet have access to the forest property for investigation.

Therefore we would like to know the Department's preference on the following two alternatives.

1) The BOCC approves and signs the consent agreement on 7/25 indicating our intent to proceed as soon as possible, but holds the document until we are more confident in the time frame for gaining access to begin the investigation. The County forwards the document to your office for Ms. Getzoff to complete the execution at a later date.

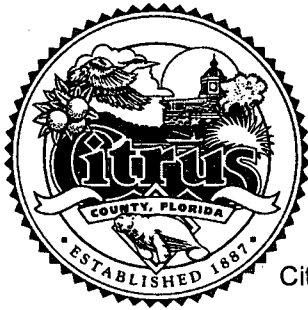
2) The BOCC approves and signs the consent agreement on 7/25 and forwards it to your office with a request to delay the Department's execution (thus also delaying the start of the compliance timetable) until we give you notice that we have obtained access to begin the investigation.

If neither of these alternatives is acceptable to the Department, please let us know that as well.

Susie Metcalfe

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

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



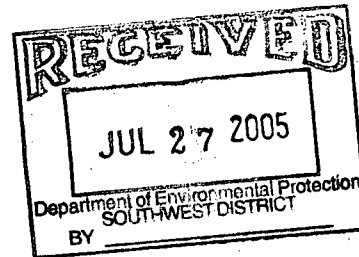
Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

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

July 25, 2005

Keith Mousel, Resource Administrator
Withlacoochee Forestry Center
15019 Broad St.
Brooksville, FL 34601

Re: Request for access and lease extension
Sublease 3316-5



Dear Mr. Mousel:

As we have discussed several times recently, Citrus County and the Department of Environmental Protection (DEP) (Southwest District – Solid Waste) expect to enter into a consent agreement in the immediate future that will require certain investigation activities by the County on property outside that which is currently controlled by the County. This investigation will require that, on the aggressive timetable set in the consent agreement, the County install a minimum of six groundwater monitoring wells and 15 gas monitoring probes in the area around the adjacent closed and active landfills.

This letter is to formally request access to the area, no more than 300 feet beyond the landfill properties on the east, south and west, for the purpose of installing and sampling the required environmental monitoring devices. As indicated in the consent agreement language the timeframe for access is very short. I understand that a representative of Forestry in Tallahassee has already contacted the regulatory staff in the Tampa DEP office on this matter. We thank you for working with us and your chain of command to expedite this process.

In addition, we are requesting that the area of investigation be added to the existing sublease (3316-5). We expect that, if a lease expansion is approved, the 15 gas monitoring probes would be the only ones required. If the expansion is not approved, it is likely that additional probes may be needed in the investigation area, closer to the existing property boundaries. This is based on the information we have received from our consultants (SCS Engineers), the existing data and our current understanding of how the regulators will implement the consent agreement. On the groundwater side of the investigation, we have a contract with Jones, Edmunds & Associates. Their best estimate, based on existing information, is that additional wells will be required as the investigation proceeds, probably further west but within the proposed access and lease extension area. The number of additional wells is unknown but could be two additional wells for each well that detects contamination. Each location will require access for a drilling rig at the beginning of the project and periodic access to sample the monitoring points.

Keith Mousel
July 25, 2005
Page 2

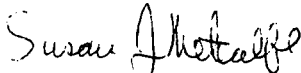
You indicated that in order to complete processing our request you needed the following items, three copies of which are attached hereto:

- 1) Survey and legal description of the area involved in the investigation and for which we are requesting a lease expansion.
- 2) Copy of the consent agreement including the action plans for gas and groundwater investigation.
- 3) A narrative of the requested activities, which are summarized in this letter and detailed in the attachments to the consent agreement.

We will forward a copy of the executed consent agreement when it is available.

In addition, we understand that the lease expansion request will require the County and Forestry to negotiate the conditions of land use and maintenance that are acceptable to both. Please contact my office to begin those discussions when you have your preliminary proposal. Following that agreement, we understand that you will forward the lease expansion request to the Division of State Lands for their administrative action.

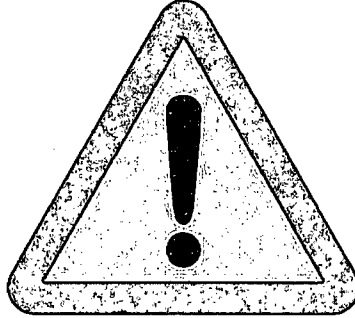
Yours truly,



Susan Metcalfe
Director

CC: Tom Dick, Assistant Director, Public Works Department (all with attachments)
John Banks, SCS Engineers, Tampa
John Locklear, JEA, Gainesville
Susan Pelz, FDEP, Tampa

ATTENTION



**Blueprints were
removed from this
location in the file and
inserted separately.**

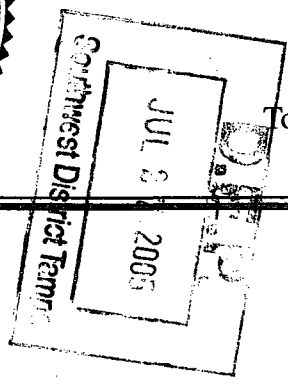
Stephanie Kelro



BOARD OF COUNTY COMMISSIONERS

EXECUTIVE OFFICES

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



July 25, 2005

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

Re: Permit Renewal at Citrus County Landfill

Dear Deborah:

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

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

Sincerely,

Gary Bartell
Commissioner, District 2

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

Memorandum

ENFORCEMENT/COMPLIANCE COVER MEMO

TO: X Deborah A. Getzoff, Director of District Management
 James Cleary, Asst. Director of District Management
 William Kutash, Program Administrator
 OGC

FROM/THROUGH: William Kutash, Environmental Administrator
Susan Pelz, Program Supervisor
Stephanie Petro, Environmental Specialist III

7/22/05
7/22/05

DATE: July 22, 2005

FILE NAME: Citrus County Central Class I and Closed Class I Landfills OGC FILE# 05-1078
PROGRAM: Solid Waste COUNTY: Citrus

TYPE OF DOCUMENT:

WARNING FINAL ORDER CASE REPORT
DRAFT X OR FINAL NOV CONSENT ORDER
PENALTY AUTHORIZATION CONSENT AGREEMENT X

BRIEF DESCRIPTION OF VIOLATION: Exceedances of ground water standards and exceedances of the landfill gas criteria at or beyond the landfill property boundary.

SUMMARY OF CORRECTIVE ACTIONS: Install assessment ground water monitoring wells and landfill gas probes, submit monitoring reports to Department, conduct further assessment, if appropriate; pay Department costs.

PENALTY SUMMARY:

ELRA PENALTY
EXTENT OF DEVIATION: POTENTIAL FOR HARM:
PENALTY AMOUNT: COST AND EXPENSES: \$3,000

TOTAL PENALTY AMOUNT: \$3,000 APPROVED BY SECRETARY: N/A

Is your RETURN ADDRESS indicated 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:

7004 0750 0003 0518 2282

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

4b. Service Type

- | | |
|---|------------------------------------|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

7/22/05

5. Received By: (Print Name)

FRANK WENTZEL

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

6. Signature: (Addressee or Agent)

X 

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

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State of Florida
Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619-1352

Stephanie Petro

Solid Waste

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July 22, 2005
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Sent To Citrus Co Board of County Commissioners
c/o Susan Metcalfe, P.G.
Street, Apt. 1 Solid Waste Management
or PO Box N PO Box 340
City, State, Z Lecanto, FL 34460

7004 0750 0000 0518 2282



Department of Environmental Protection

290592

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

July 22, 2005

Colleen M. Castille
Secretary

CERTIFIED MAIL 7004 0750 0003 0518 2282
RETURN RECEIPT REQUESTED

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

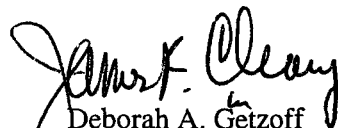
RE: Draft Consent Agreement, OGC Case No. 05-1078
Citrus County Central Class I and Closed Class I Landfill
Permit No. 21375-003-SO
Citrus County

Dear Ms. Metcalfe:

Enclosed please find a copy of the draft Consent Agreement for settlement of the above-referenced enforcement case. Please review the document with your attorney and, if acceptable, return a signed copy of the document to the Department for execution within 30 days of receipt of this letter.

Should you or the County attorney have any questions or comments, please contact Susan Pelz at 744-6100, ext. 386, within seven (7) days of receipt of this letter.

Sincerely,


Deborah A. Getzoff
District Director
Southwest District

cc: Susan Pelz, P.E., FDEP
Stephanie Petro, FDEP
Steve Morgan, FDEP
John Morris, FDEP
Ms. Vicki Phillips, Citrus County BOCC, Chairwoman, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
Mr. Richard Wm. Wesch, County Administrator, Citrus County Courthouse, Room 100, 110 N. Apopka Avenue, Inverness, FL 34450
Mr. Ken Frink, P.E., Public Works Director, 3600 W. Sovereign Path, Suite 212, Lecanto FL 34461

"More Protection, Less Process"

Printed on recycled paper.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

IN THE OFFICE OF THE
SOUTHWEST DISTRICT

Complainant,
vs.

OGC FILE NO. 05-1078

Citrus County
Board of County Commissioners,

Respondent.

CONSENT AGREEMENT

This Consent Agreement is entered into between the State of Florida Department of Environmental Protection ("Department") and the Citrus County Board of County Commissioners ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to administer and enforce the provisions of Chapter 403, Florida Statutes, and the rules promulgated thereunder, Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Agreement.
2. Respondent is a person within the meaning of Section 403.031(5), Florida Statutes.
3. Respondent is the operator of the Citrus County Central Class I Landfill and the Closed Class I Landfill ("facility"). The facility is located at 28 degrees 51 minutes and 8 seconds latitude, and 82 degrees, 26 minutes, and 38 seconds longitude. The facility is located

near S.R. 44, approximately 3 miles east of Lecanto in Citrus County, Florida. Respondent operates the facility under Department Permit No. 21375-003-SO ("Permit"), which expires on August 31, 2005.

4. The Department finds that the following violations occurred: According to a file review conducted on June 9, 2005, exceedances of Department ground water standards were reported at downgradient ground water monitoring wells since 2002 and exceedances of the lower explosive limit for combustible gases (calibrated to methane) were reported at landfill gas monitoring probes located at or beyond the property boundary since November 2003.

5. Having reached a resolution of the matter Department and the Respondent mutually agree and it is,

ORDERED:

6. The approved "Groundwater Investigation Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit A, and the Respondent shall implement the proposals in the Groundwater Investigation Plan pursuant to the approved schedule.

7. The approved "Landfill Gas Compliance Action Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit B, and the Respondent shall implement the proposals in the Landfill Gas Compliance Action Plan pursuant to the approved schedule.

8. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install and develop ground water monitoring wells MW-10 through MW-15 and MW-17 within 100 feet of the edge of waste disposal cells, conduct an "initial sampling event" at these wells, and submit a summary report of the initial sampling event results to the Department with

recommendations regarding the need to conduct further assessment activities, as summarized in Exhibit A.

9. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install new landfill gas monitoring probes GP-1 through GP-18, submit a to-scale construction drawing of the new gas monitoring probes, and submit gas monitoring data results to the Department, as summarized in Exhibit B. Existing gas monitoring probes shall not be abandoned until the lease expansion agreement referenced in Paragraph 10 is submitted to the Department and the permit modification referenced in Paragraph 11.a. is issued.

10. Within 90 days of the effective date of the Consent Agreement, the Respondent shall obtain a lease expansion agreement from the Division of Forestry/State Lands and submit a copy of this lease agreement to the Department. If the lease expansion agreement is not obtained within 90 days of the effective date of the Consent Agreement, the Department reserves the right to grant an extension of 30 days to Respondent to obtain such lease expansion agreement if an extension is warranted. If the Department grants a 30-day extension, then such 30-day extension shall automatically apply to Ordered Sections Paragraphs 11.a., 11.b., 11.c., 12.a. and 12.b.

11. If the lease expansion agreement referenced in Paragraph 10 is obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 120 days of the effective date of the Consent Agreement, Respondent shall submit an application for a permit modification to the Department that addresses changes in the facility's boundaries, zone of discharge (ZOD), monitoring well network, routine ground water sampling frequency, and landfill gas monitoring system.

b) If exceedances of ground water standards (primary drinking water standards listed in Rule 62-550.310, F.A.C.) or minimum criteria as specified in Chapter 62-520, F.A.C., are reported in the initial sampling event results referenced in Paragraph 8, then within 150 days of the effective date of the Consent Agreement, the Respondent shall commence site assessment activities at the affected new wells (MW-10 through MW-15 and MW-17) at the new ZOD in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

c) If exceedances of Rule 62-701.530(1)(a), F.A.C., are reported in the gas monitoring data results referenced in Paragraph 9, then within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved Landfill Gas ("LFG") Compliance Action Plan, at the new property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the new property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the

effective date of the Consent Agreement, the Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

d) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG Compliance Action Plan and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

e) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

12. If the lease expansion agreement referenced in Paragraph 10 is not obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 150 days of the effective date of the Agreement, Respondent shall commence ground water monitoring site assessment activities at the affected existing wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9) at the existing property boundary in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

b) Within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of passive gas vents, as described in "Phase 2" of the approved LFG Compliance Action Plan, at the existing property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the existing property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the effective date of the Consent Agreement, the

Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

c) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG remediation system and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase 3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

d) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

13. Upon review of the submittals required by this Consent Agreement, the Department may request additional information. All additional information shall be submitted to the Department within 30 days of receipt of the Department's written request.

14. Within thirty (30) days of the effective date of this Consent Agreement, Respondent shall pay the Department \$3,000 in settlement of the matters addressed in this Consent Agreement. This amount includes \$3,000 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Agreement. Payment shall be made by cashier's check, money order, or County-issued check. The instrument shall be made payable to the "Department of Environmental Protection" and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund."

15. Respondent agrees to pay the Department stipulated penalties in the amount of \$100 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6-14 of this Consent Agreement. A separate stipulated penalty shall be assessed for each violation of this Consent Agreement. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to "The Department of Environmental Protection" by cashier's check or money order and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352. The Department may make demands for payment at any time after violations occur. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Agreement. Any penalties assessed under this paragraph shall be

in addition to the settlement sum agreed to in paragraph 14 of this Consent Agreement. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Agreement in an amount greater than the stipulated penalties due under this paragraph.

16. If any event, including administrative or judicial challenges by third parties unrelated to the Respondent, occurs which causes delay or the reasonable likelihood of delay, in complying with the requirements of this Consent Agreement, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of the Respondent and could not have been or cannot be overcome by Respondent's due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department orally within 24 hours or by the next working day and shall, within seven calendar days of oral notification to the Department, notify the Department in writing of the anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or

minimize delay. Failure of Respondent to comply with the notice requirements of this Paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Agreement.

17. Respondent shall publish the following notice in a newspaper of daily circulation in Citrus County, Florida. The notice shall be published one time only within 15 days after the effective date of the Consent Agreement by the Department.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection gives notice of agency action of entering into a Consent Agreement with Citrus County Board of County Commissioners pursuant to Section 120.57(4), Florida Statutes. The Consent Agreement addresses exceedances of groundwater standards and landfill gas criteria at the Citrus County Central Class I and Closed Class I Landfills located near S.R. 44, 3 miles east of Lecanto in Citrus County. The Consent Agreement is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

Persons whose substantial interests are affected by this Consent Agreement have a right to petition for an administrative hearing on the Consent Agreement. The Petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number for the Consent Agreement and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Agreement; (c) A statement of how each petitioner's substantial interests are affected by the Consent Agreement; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Agreement; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Agreement; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Agreement.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Agreement have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

A person whose substantial interests are affected by the Consent Agreement may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes, or may choose to pursue mediation as an alternative remedy under Section 120.573, Florida Statutes, 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.

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Respondent, 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 Consent Agreement. 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, within 10 days after the deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, 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 21 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, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

18. Entry of this Consent Agreement does not relieve Respondent of the need to comply with applicable federal, state or local laws, regulations or ordinances.

19. The terms and conditions set forth in this Consent Agreement may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with the terms of this Consent Agreement shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

20. Respondent is fully aware that a violation of the terms of this Consent Agreement may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation and criminal penalties.

21. Respondent shall allow all authorized representatives of the Department access to the property and facility at reasonable times for the purpose of determining compliance with the terms of this Consent Agreement and the rules and statutes of the Department.

22. All submittals and payments required by this Consent Agreement to be submitted to the Department shall be sent to the Florida Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

23. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Agreement, including but not limited to undisclosed releases, contamination or polluting conditions.

24. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Agreement, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this

Consent Agreement; provided, however, should the Department conclude that clean up of the contaminated area to site rehabilitation levels is not feasible; or should the Respondent not completely implement the remedial or corrective action plan (however denominated) as approved by the Department; the Department expressly reserves its right to seek restitution from Respondent for environmental damages. Within 20 days of receipt of the Department's written notification of its intent to seek said restitution, Respondent may pay the amount of the damages or may, if it so chooses, initiate negotiations with the Department regarding the monetary terms of restitution to the state. Respondent is aware that should a negotiated sum or other compensation or environmental damages not be agreed to by the Department and Respondent within 20 days of receipt of Department written notification of its intent to seek restitution, the Department may institute appropriate action, either administrative through a Notice of Violation, or judicial, in a court of competent jurisdiction through a civil complaint, to recover Department assessed environmental damages as provided by law.

25. Respondent acknowledges and waives its right to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, on the terms of this Consent Agreement. Respondent acknowledges its right to appeal the terms of this Consent Agreement pursuant to Section 120.68, Florida Statutes, and waives that right upon signing this Consent Agreement.

26. No modifications of the terms of this Consent Agreement shall be effective until reduced to writing and executed by both Respondent and the Department.

27. This Consent Agreement is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Consent Agreement is not a settlement of any criminal liabilities which may arise under Florida

law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law.

28. Respondent shall use all reasonable efforts to obtain any necessary access for work to be performed in the implementation of this Consent Agreement. If necessary access cannot be obtained, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, Respondent shall notify the Department within (5) business days of such refusal or revocation. The Department may at any time seek to obtain access as is necessary to implement the terms of this Consent Agreement. The Respondent shall reimburse the Department for any damages, costs, or expenses, including expert and attorneys fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain access as is necessary to implement the terms of this Consent Agreement. Respondent shall pay these sums to the Department or arrange a payment schedule with the Department within 30 days of written demand by the Department.

29. This Consent Agreement is a final order of the Department pursuant to Section 120.52(7), Florida Statutes, and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon the timely filing of a petition this Consent Agreement will not be effective until further order of the Department.

FOR THE RESPONDENT:

I, _____ on behalf of _____, **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: _____ Date: _____

Title: _____

DONE AND ORDERED this _____ day of _____, 2005,

in _____, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
District Director
Southwest District

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

Clerk

Date

Copies furnished to:
Larry Morgan, OGC
Kathy Carter, OGC (executed copy only)
Sandra Wilson, FDEP - Tampa (executed copy only)

"EXHIBIT A"

CITRUS COUNTY CENTRAL LANDFILL
GROUNDWATER INVESTIGATION PLAN

Prepared by:
JONES EDMUNDS & ASSOCIATES, INC.
730 N.E. Waldo Road
Gainesville, Florida 32641-5699
Certificate of Authorization # 1841

July 2005



Allan H. Biddlecomb, P.G.
Florida License No. 1258

7/20/05

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JUL 21 2005

SOUTHWEST DISTRICT
TAMPA

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- 2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING
- 3.0 LEASE EXPANSION
- 4.0 COMPLIANCE MONITORING WELL INSTALLATION
- 5.0 SITE ASSESSMENT
- 6.0 SCHEDULE

FIGURE 1 SITE PLAN WITH PROPOSED MONITORING WELL LOCATIONS

TABLE 1 COMPLIANCE WELL CONSTRUCTION DETAILS

TABLE 2 INITIAL GROUNDWATER ANALYTICAL PARAMETER LIST

1.0 INTRODUCTION

The Citrus County Central Landfill (Landfill) is currently operated under Florida Department of Environmental Protection permit 21375-003-SO. Modifications to the current groundwater monitoring plan have been proposed as part of the 2005 permit renewal application. These modifications are in response to inadequate monitoring well construction, proximity of monitoring wells to waste, and groundwater analytical data in exceedance of drinking water standards. The following plan outlines the proposed course of action to address deficiencies in the current plan. Several "steps" in the plan are contingent upon the outcome of previous "steps". An outline of the plan including key decision points and resultant activities is provided below:

1. Lease Expansion Agreement is Approved

- a. Minor Modification of Operating Permit
 - Submit permit modification to identify new property boundary, establish new zone of discharge 100 feet from the edge of waste, and establish routine groundwater sampling frequency within 30 days of approval of lease expansion.
- b. If no exceedances of primary drinking water standards are reported in the initial sampling event results, conduct routine monitoring at new compliance wells (MW-10 through MW-15 and MW-17).
- c. If exceedances of primary drinking water standards are reported in the initial sampling event results, commence site assessment activities at affected new wells in accordance with Chapter 62-780, F.A.C., within 60 days of receipt of analytical data. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2. Lease Expansion Agreement is Denied

- a. Commence site assessment activities at existing property line in accordance with Chapter 62-780, F.A.C., within 60 days of denial of lease expansion, or end of DEP extensions.
- b. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING

The Landfill is located in central Citrus County approximately three miles east of Lecanto, Florida, near State Road 44. The landfill is located at latitude 28° 51' 07" North and longitude 82°26'12" West in Section 1, Township 19 South, Range 18 East. The Landfill is composed of a closed 60-acre site and an active 80-acre site. The active landfill is a lined cell with a leachate collection system. Except for seven acres, the closed landfill is unlined and is not served by a leachate collection system. The entire closed landfill is capped with a membrane and soil cover.

The Landfill lies within the Hernando Hammock physiographic subdivision of the Ocala Uplift District as described by Brooks (1981). This region is characterized by remnant erosional hills and ridges, which are in-filled with thick, weathered deposits of sand and clayey sand. The

landfill is also within the northern portion of the Brooksville Ridge. The Brooksville Ridge is characterized as an extensive, internally drained, karst terrain with high local relief.

Near-surface regional geology in the landfill area is typically characterized by undifferentiated sands and clays of the Hawthorn Group. The thickness and continuity of individual strata varies greatly in the area. The sand and clays act as a partial confining unit for the Floridan aquifer in some parts of the region. Beneath the undifferentiated sands and clays lies a thick sequence of Eocene age carbonate deposits, which generally consist of the Suwannee limestone, Ocala Group, and Avon Park formations.

Site specific geology is characterized by approximately 130 feet of surficial sands ranging from fine to medium sands to clayey, silty fine sands. Several 1-foot to 2-foot discontinuous clay layers are present between 50 and 80 feet bls. These sediments, when present, form a low permeability unit over the Floridan aquifer with an average hydraulic conductivity of 0.024 foot per day. These sediments do not have sufficient lateral continuity at the site to form a confining layer or support a separate perched water table aquifer. Beneath these sediments lies the Suwannee Formation. The Suwannee has a highly irregular surface beneath the site, with elevations ranging from 80 feet NGVD to -54 feet NGVD. The Floridan aquifer occurs under water-table conditions at the site and is the only consistent aquifer system present beneath the site.

3.0 LEASE EXPANSION

The County has initiated negotiations with the adjacent landowner (Florida State Division of Forestry) to expand the limits of the current lease agreement to increase the property boundary of the Landfill facility. Discussions with Ms. Gloria Nelson of the DEP Division of State Lands indicate that the current lease agreement can be amended within 90 days of submittal of a letter of intent from the local Division of Forestry representative. The letter of intent will include a legal description of the proposed expansion area. The Department may elect to grant the County up to 30 additional days from the effective date of the consent order to obtain and submit the agreement. The proposed boundary of the lease expansion is shown in Figure 1. Upon successful execution of the lease expansion, a minor permit modification application will be submitted to DEP to expand the Zone of Discharge boundary to 100 feet from the edge of waste as shown in Figure 1.

4.0 COMPLIANCE MONITORING WELL INSTALLATION

Seven new compliance monitoring wells (MW-10 through MW-15 and MW-17) will be installed with a spacing of no more than 500 feet between wells and within 100 feet of the edge of waste. The locations of the proposed downgradient monitoring wells are shown in Figure 1.

Each proposed monitoring well will be constructed of 2-inch PVC with 20-feet of 0.010-inch slotted screen extending from approximately -4 to 16 feet NGVD. This screen interval should accommodate the severe water level fluctuations observed at the site, while allowing for monitoring of the uppermost water bearing unit. The proposed monitoring well construction details are included below (Table 1).

Table 1 Proposed Wells			
Monitoring Well ID	Estimated Top of Casing Elevation (NGVD)	Proposed Well Screen Interval (NGVD)	
		Top	Bottom
MW-10	115	16	-4
MW-11	115	16	-4
MW-12	115	16	-4
MW-13	115	16	-4
MW-14	115	16	-4
MW-15	115	16	-4
MW-16	120	16	-4
MW-17	115	16	-4

Table

Notes:

TOC elevations and proposed well screen intervals are approximate; based on land surface elevations and historical groundwater elevations.

A piezometer (MW-16) will be installed south of existing well MW-6, to provide additional groundwater flow information. The proposed location of the new piezometer is shown in Figure 1. Proposed construction details are included above (Table 1-2).

Groundwater samples will be collected from wells MW-10, 11, 12, 13, 14, 15 and 17 to determine initial groundwater quality. Groundwater samples from the initial sampling will be analyzed for the parameters listed in Table 2 .

Table 2 Initial Groundwater Sampling Parameters	
Field Parameters	Laboratory Parameters
Static Water Levels	Total Ammonia - N
Specific Conductivity	Chlorides
Temperature	Iron
Ph	Mercury
Dissolved Oxygen	Nitrate
Turbidity	Sodium
Colors and Sheens (by observation)	Total Dissolved Solids
	Those Parameters listed in 40 CFR Part 258, Appendix I and Appendix II

Upon the completion of the above activities, a Groundwater Monitoring Plan Evaluation Report will be submitted to DEP that includes; a discussion of the work performed, a summary of the findings and, if necessary, additional changes to the existing Groundwater Monitoring Plan. The report will also address the need to implement a Site Assessment if warranted according to 62-780.600 (1), F.A.C.

5.0 SITE ASSESSMENT

As required by 62-780.600 (1), F.A.C., a site assessment will commence within 60 days after discovery of an offsite discharge. A site assessment will be performed if one of two events occur: (1) the expanded lease agreement is approved and drinking water standard exceedances are reported for the initial sampling of the newly installed compliance monitoring wells, (2) the expanded lease agreement is denied.

The Site Assessment will be designed and implemented to comply with the requirements of 62-780.600 (3), (4), and (5), F.A.C. As defined in 62-780.600 (3), F.A.C., the objectives of the site assessment will be as follows:

- a) To evaluate the current exposure and potential risk of exposure to humans and the environment, including multiple pathways of exposure. The physical, chemical, and biological characteristics of each contaminant and the individual site characteristics shall be considered. The individual site characteristics include:
 1. The current and projected use of the affected groundwater and surface water in the vicinity of the site;
 2. The current and projected land use of the area affected by the contamination;
 3. The exposed human population and ecological receptors including the presence of threatened or endangered species (flora and fauna). A general literature review and analysis based on site-specific conditions may be sufficient;
 4. The location of the plume;
 5. The degree and extent of contamination;
 6. The rate and direction of migration of the plume;
 7. The apparent or potential rate of degradation of contaminants through natural attenuation; and
 8. The potential for further migration in relation to the source property boundary;
- (b) To determine whether contamination is present and the types of contaminants present, and to determine the horizontal and vertical extent of contamination in every medium found to be contaminated (for soil in the unsaturated zone, to the more stringent of the direct exposure residential soil CTLs and the applicable leachability-based soil CTLs provided in Chapter 62-777, F.A.C., Table II; and for groundwater, to the groundwater CTLs or to the surface water CTLs provided in Chapter 62-777, F.A.C., Table I, as applicable);
- (c) To determine or confirm the origin(s) of the source(s) of contamination, if technologically feasible;
- (d) To establish the background concentrations;
- (e) To establish the horizontal extent and thickness of free product, if technologically feasible. If the soil concentration of a contaminant is above its soil saturation concentration (Csat), free product may be present. [Refer to the technical report referenced in subsection 62-780.100(2), F.A.C., for development of soil CTLs based on Csat.];
- (f) To determine whether source removal, in addition to any interim source removal already performed pursuant to Rule 62-780.500, F.A.C., is warranted;
- (g) To describe relevant geologic and hydrogeologic characteristics that influence migration and transport of contaminants at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.:

(h) To determine by means of a well survey whether any public water supply wells, as defined in Chapter 62-550, F.A.C., are present within a 1/2 mile radius of the site, whether the site is located within the regulated wellhead protection zone of a public water supply well or well field, and whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a 1/4 mile radius of the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.

(i) To determine whether any surface water will be exposed to contamination that migrates beyond the boundaries of the property at which site rehabilitation was initiated pursuant to this chapter;

(j) To report any off-site activities (for example, dewatering, active remediation, or flood control pumping) in the immediate vicinity of the site that may have an effect on the groundwater flow at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.; and

(k) To facilitate the selection of a remediation strategy for the site that is protective of human health and the environment, and considers the proposed property use, identifies risks posed by the contamination based on the proposed use, and describes how those risks will be managed, unless No Further Action is deemed appropriate pursuant to the provisions of subsection 62-780.680(1), F.A.C.

Following completion of the Site Assessment, a Site Assessment Report (SAR) will be prepared which summarizes all tasks that were completed pursuant to subsections 62-780.600(3), (4), and (5), F.A.C., and the results obtained. The SAR will include one of the following:

1. A No Further Action Proposal without institutional controls or without institutional and engineering controls shall be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(1), F.A.C., or a No Further Action Proposal with institutional controls or both institutional and engineering controls may be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(2) or (3), F.A.C.;
2. A Natural Attenuation with Monitoring Plan may be included if the site meets the Natural Attenuation with Monitoring criteria of Rule 62-780.690, F.A.C.;
3. A recommendation to prepare a risk assessment or a Risk Assessment work plan shall be included if the PRSR chooses to justify alternative CTLs using risk assessment studies demonstrating that human health, public safety, and the environment are protected to at least the same degree provided by the CTLs referenced in this chapter. The work plan shall include a schedule for completion of a risk assessment and documentation adequate to support the request to do one or more of the task elements of subsection 62-780.650(1), F.A.C., and shall specify the parameters or exposure assumptions that will be used to develop the alternative CTLs pursuant to Rule 62-780.650, F.A.C.; or
4. A recommendation to prepare a Remedial Action Plan pursuant to Rule 62-780.700, F.A.C., shall be included, unless a recommendation pursuant to subparagraph 62-780.600(8)(b)1., 2., or 3., F.A.C., is included.

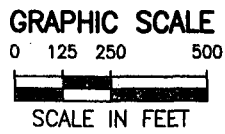
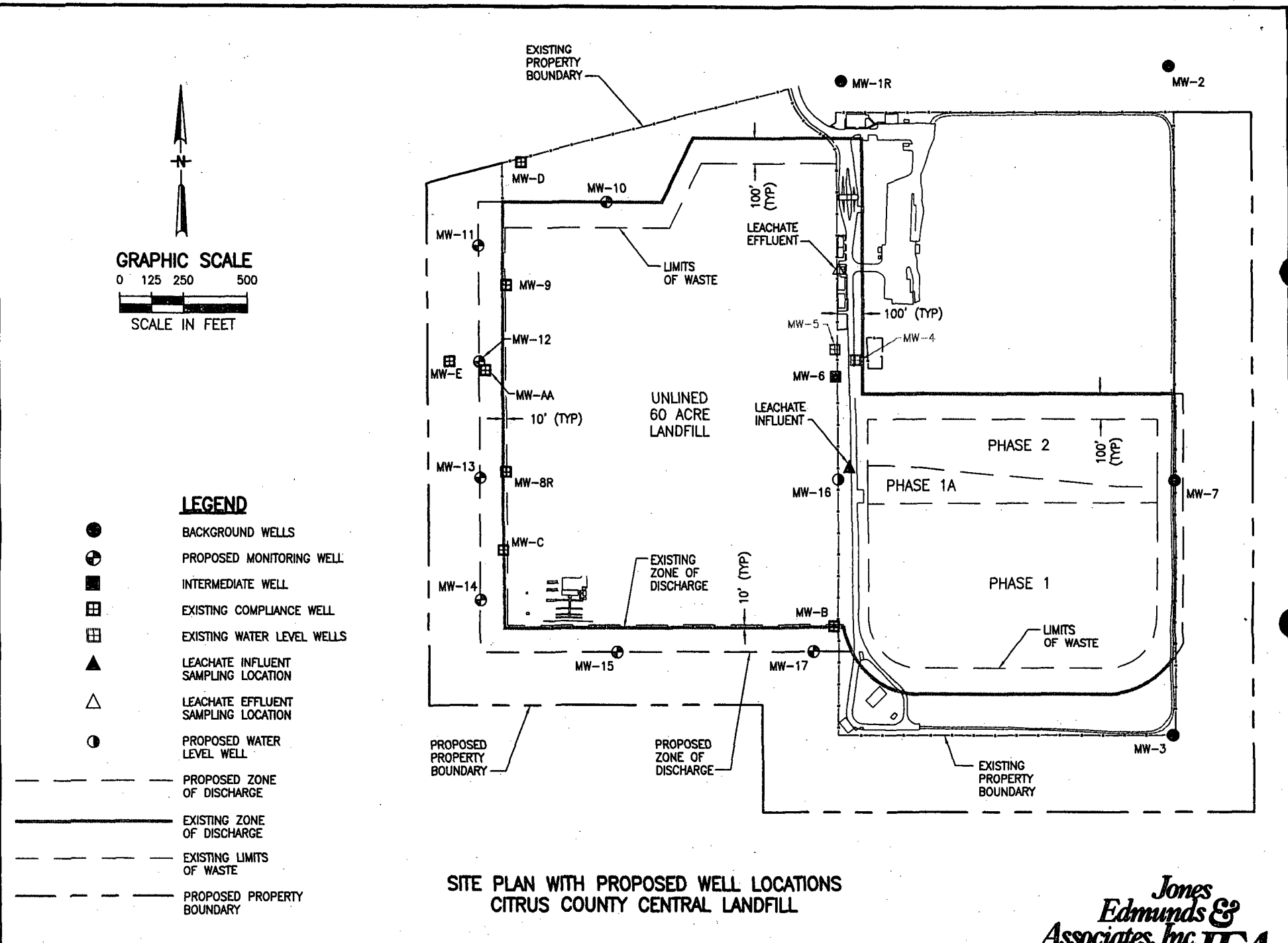
6.0 SCHEDULE

1. Within 5 days of the effective date of the consent agreement:
 - a. Obtain Interim Access Agreement from local office of Division of Forestry to install new groundwater monitoring wells.

2. Within 90 days of the effective date of the consent agreement:

- a. Obtain lease expansion agreement with Division of Forestry and DEP Division of State Lands. Submit copy of agreement and updated boundary survey to DEP.
- b. Install and develop new downgradient monitoring wells within 100 feet of the edge of waste as shown in Figure 1.
- c. Conduct initial groundwater sampling and analysis of new wells
- d. Perform hydraulic conductivity testing at new wells
- e. Submit summary report with recommendations for routine groundwater sampling frequency and the need to conduct further assessment activities to DEP.

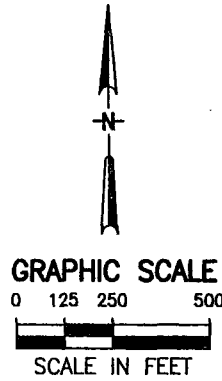
As required by 62-780 Table A, the SAR will be submitted within 270 days of discovery of discharge.



LEGEND

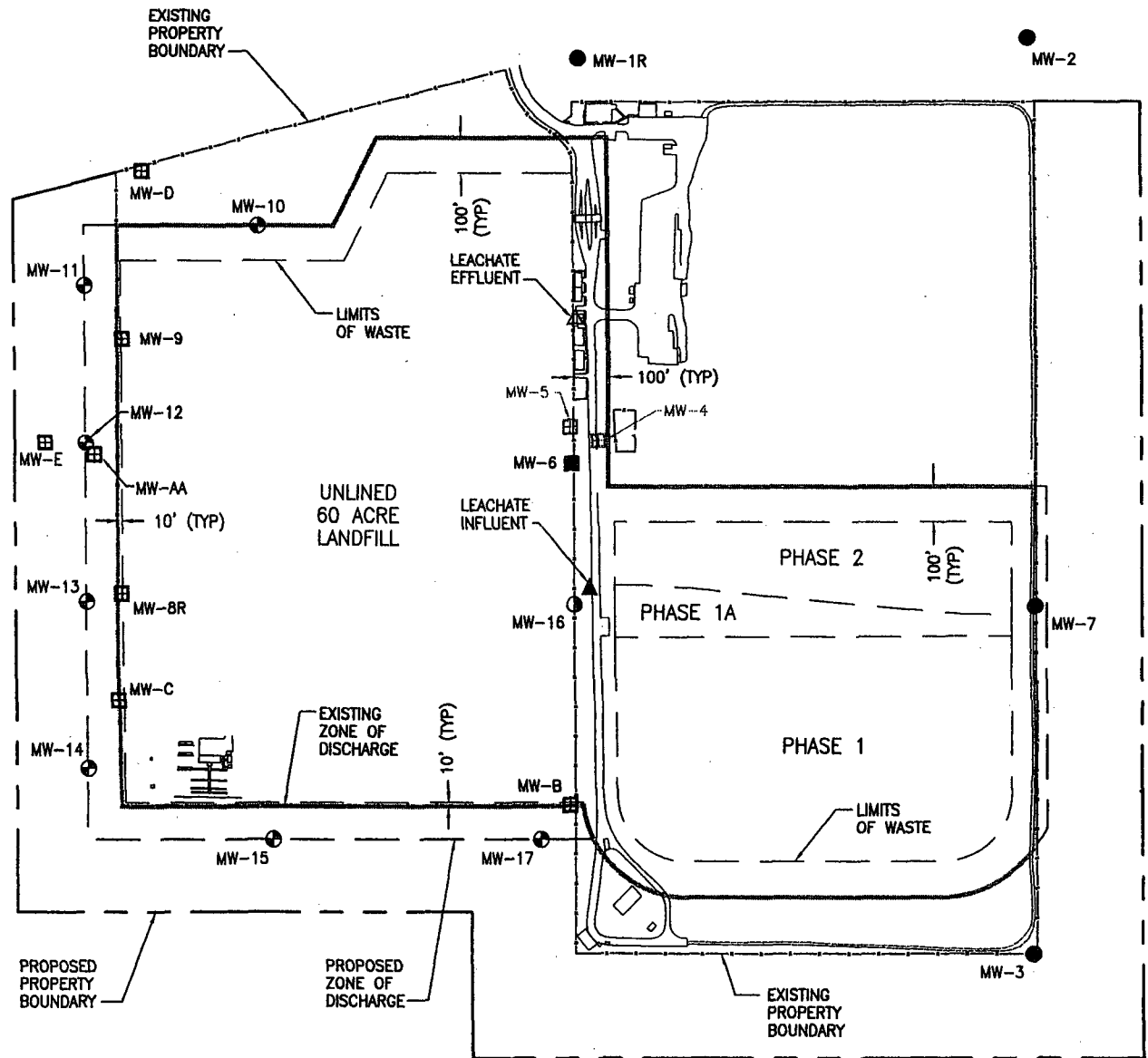
- BACKGROUND WELLS
- ⊕ PROPOSED MONITORING WELL
- INTERMEDIATE WELL
- ⊞ EXISTING COMPLIANCE WELL
- ⊞ EXISTING WATER LEVEL WELLS
- ▲ LEACHATE INFLUENT SAMPLING LOCATION
- △ LEACHATE EFFLUENT SAMPLING LOCATION
- PROPOSED WATER LEVEL WELL
- PROPOSED ZONE OF DISCHARGE
- EXISTING ZONE OF DISCHARGE
- EXISTING LIMITS OF WASTE
- PROPOSED PROPERTY BOUNDARY

**SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL**



LEGEND

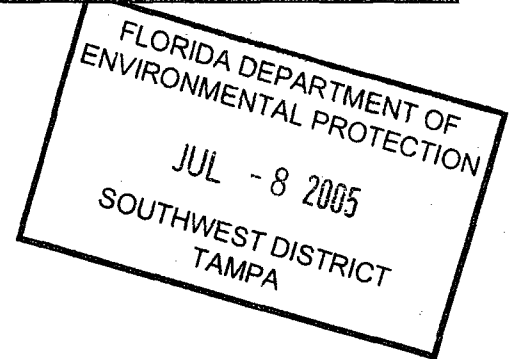
- BACKGROUND WELLS
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- INTERMEDIATE WELL
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- ⊙ PROPOSED WATER LEVEL WELL
- - - - - PROPOSED ZONE OF DISCHARGE
- — — — — EXISTING ZONE OF DISCHARGE
- - - - - EXISTING LIMITS OF WASTE
- - - - - PROPOSED PROPERTY BOUNDARY



**SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL**

*Jones
Edmunds &
Associates, Inc.*
JEA

"EXHIBIT B"

SCS ENGINEERSJuly 8, 2005
File No. 09199056.13Ms. Susan Pelz, P.E.
Solid Waste Permitting
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619Subject: Citrus County Central Landfill – Operations Permit Renewal
Landfill Gas Compliance Action Plan

Dear Susan:

On behalf of Citrus County, SCS Engineers (SCS) is pleased to submit the following action plan to address the requirement to reduce landfill gas (LFG) concentrations to less than the lower explosive limit (LEL) at the property line.

PROPOSED LANDFILL GAS MIGRATION REMEDIATION PLAN

Citrus County proposes a phased approach to address compliance with LFG monitoring requirements. The initial phase includes expanding the landfill boundary on the east, west, and south sides of the existing property boundary and adding 18 new LFG monitoring probes as shown on Figure 1. The probes will be constructed as described below. This proposal is expected to result in regulatory compliance without the need for additional corrective measures based on past experience with similar systems. It is very likely that as LFG migrates from the source, an equilibrium point within the proposed property limits will be reached and that in doing so will maintain regulatory compliance.

Establishing the new boundary limits will require concurrence from the Florida Division of Forestry and that approval is anticipated to be completed within 90 days. During this time period the County will install LFG monitoring probes in the locations shown on Figure 1. The County will provide a report to the Florida Department of Environmental Protection (FDEP) to include the as-built probe location drawing, details of the probe installation, initial monitoring results, a copy of the new lease agreement and updated compliance boundary survey. In the event that the additional lease from the Division of Forestry cannot be obtained or if LFG exceedances occur at the new probe locations, the County will proceed with Phase 2 of the LFG remediation plan.

Phase 2, if required, would consist of the installation of a passive venting system between the liner system and the property boundary at impacted areas. An investigation and evaluation targeted specifically at areas between the existing landfill and the property line will be conducted. The evaluation will supplement the information currently available from the existing monitoring probes and will include advancing geoprobes to a depth of 80 feet below



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land surface and measuring subsurface gas concentrations at 10-foot intervals. Initially the probes will be spaced 100 feet apart in the areas where LFG migration is known to exist or suspected. When LFG is detected in a probe a new probe will be placed half way between the "hot" probe and the nearest probe where LFG was not detected. This process will be repeated until the area of LFG migration is determined to within approximately 25 feet.

The County will provide to FDEP a report reflecting the results of the evaluation and include proposed location(s) of the passive vents, details of the vent system, and specifications that will serve as the basis for bidding the installation. Once approved by FDEP the County will initiate the installation process. It is anticipated that Phase 2 will be completed within 60 days of the determination that the expanded property boundary cannot be obtained or if exceedances occur at the new probe locations. Should the Phase 2 LFG vent system fail to control the gas migration, Phase 3 will be initiated. Additionally, should the extended property boundary and new monitoring system be implemented and at some point in the future exceedance of regulatory limits be confirmed in the LFG monitoring probes at the new compliance boundary, Phase 3 remedial actions will be initiated.

Phase 3, if required, would consist of installation of a passive gas system within the waste in the lined landfill. This system shall include an array of LFG vents constructed along the south and east sides of the Phase 1 and 1A landfill disposal area. The vents will be located and designed to act as passive vents but may also be appropriate for connection to an active LFG extraction system, if necessary. The County will submit the plans for this proposed system to FDEP for review as a request for a permit modification. Once approved by FDEP the passive gas system will be constructed. The County proposes to complete this action within 180 days of approval of the plan by FDEP.

PROPOSED COMPLIANCE BOUNDARY

Citrus County proposes to establish a compliance boundary beyond the limits of the existing facility boundary. Figure 1 shows the locations of the proposed new LFG monitoring probes and the new property boundary. No extension of the compliance boundary to the north of the site is necessary. The proposed LFG monitoring probes will be maintained within this new boundary.

PROPOSED LANDFILL GAS MONITORING PROBES

The proposed gas monitoring probe network includes 18 permanent probes spaced approximately 500 feet apart along the north, west and south sides of the closed 60-acre landfill, and the south and east sides of the active landfill. New probes will be installed just inside the new property boundary, approximately 300 feet outside the existing fence line, which would be within the expanded compliance boundary.

Monitoring Probe Construction

In accordance with the provisions of Rule 62-701.530(2)(b), F.A.C., the proposed monitoring probes are designed to extend to depths equal to the base of the landfilled waste. The 11 probes surrounding the closed 60-acre landfill (i.e., GP-1 through GP-11) will be approximately 40 feet deep, which is equal to the maximum estimated depth of the closed landfill. Probes GP-12 through GP-18 will be installed to depths of approximately 80 feet, which is consistent with the depth of waste in Phases 1/1A and 2. Figure 2 provides a detail of the proposed probe construction.

Each probe will be installed with a direct push-type rig to create a borehole approximately two inches in diameter. A retractable tip will be used on the pilot probe so that subsurface gas concentrations can be measured at 10-foot intervals during the borings. Gas concentrations will be measured using handheld field monitoring equipment. The data collected during installation will be included in the daily logs and maintained on file with Citrus County. As shown on Figure 2, probes will be constructed of 1-inch diameter schedule 40 PVC pipe. The perforated section of the probe will begin five feet below ground surface and extend to the bottom of the borehole. From five feet below ground surface to the top of the probe will be solid-wall pipe. A bentonite plug will be installed two feet below ground surface to help seal the borehole. A threaded cap with a labcock or quick-connect monitoring port will be installed at the top of each probe, and protective casings will be installed around the above-grade portion of the probes.

A well schedule for the proposed probes is provided below in Table 1.

**TABLE 1. PROPOSED WELL SCHEDULE
LANDFILL GAS MONITORING PROBES, CENTRAL LANDFILL**

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-1	40	35	5	3
GP-2	40	35	5	3
GP-3	40	35	5	3
GP-4	40	35	5	3
GP-5	40	35	5	3
GP-6	40	35	5	3
GP-7	40	35	5	3
GP-8	40	35	5	3
GP-9	40	35	5	3
GP-10	40	35	5	3

TABLE 1. (Continued)

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-11	40	35	5	3
GP-12	80	75	5	3
GP-13	80	75	5	3
GP-14	80	75	5	3
GP-15	80	75	5	3
GP-16	80	75	5	3
GP-17	80	75	5	3
GP-18	80	75	5	3

Abandonment of Existing Monitoring Probes

All existing monitoring probes will be abandoned in place upon approval of the revised property boundary and installation of the new probes.

Future Monitoring Probes

Figure 1 includes the locations of five future monitoring probes along the north east property line near the existing soil stockpile area. Because waste is not disposed of in this area, there is no need to install probes in this portion of the site. However, if the landfill is expanded to the north of Phase 2, Citrus County will install these probes to monitor for potential LFG migration adjacent to future landfill areas.

MONITORING OF ON-SITE STRUCTURES

In order to ensure the safety of workers inside and around permanent structures on site, ambient air will be monitored on a quarterly basis in on-site structures in accordance with the requirements of Rule 62-701.530(2)(a), F.A.C. As stated above and in Rule 62-701.530(1)(a), F.A.C., the methane concentration in on- or off-site structures may not exceed 25 percent of the LEL, or 1.25 percent methane by volume. The following gas monitoring will be performed in structures at the facility.

- Explosive gas alarms located in the scale house building and leachate treatment plant electrical room will provide continuous monitoring for unacceptable concentrations of explosive gas. These monitors are designed to sound an alarm when methane concentrations exceed 25 percent of the LEL. The signal remains on as long as gas is present, and a red alarm light stays on after an alarm condition

in order to alert personnel that methane was detected during their absence. Log sheets will be kept at each location to record when the alarm has been triggered, and each alarm will be calibrated or replaced on a regular basis according to the schedule recommended by the manufacturer.

- On a quarterly basis the following structures will be monitored:
 - Administration building
 - Scale house
 - Leachate treatment plant
 - Gun ranges

Monitoring will consist of using handheld instruments to monitor for combustible gases at all slab penetrations, floor drains, cracks in the slabs, along baseboards, in electrical boxes and outlets, and in enclosed spaces such as closets and ground-level cabinets.

GAS MONITORING PROCEDURES

The monitoring procedures for the probes and on-site structures are outlined below.

Monitoring Procedures for Probes

Each probe will be monitored on a quarterly basis for static pressure and methane concentration, or combustible gases using an instrument calibrated to methane. Methane will be measured and recorded in terms of a percent by volume in air or as a percentage of the LEL. The monitoring equipment will be calibrated each day prior to the monitoring.

The general procedure for monitoring at each probe will be as follows:

1. Record meteorological conditions including ambient temperature and barometric pressure.
2. Calibrate the methane monitoring equipment.
3. Purge any calibration gas or gas from previous probes from the methane monitoring instrument.
4. Zero the pressure gauge.
5. Prior to monitoring, note any damage to the probe, and repair if necessary. Failure to repair damage to the above ground casing, cap, or monitoring probe can affect the validity of the monitoring results.
6. Attach the sampling hose to the pressure meter and the labcock valve on the

Ms. Susan Pelz, P.E.

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monitoring probe.

7. Record the time of monitoring for the probe.
8. Open the labcock valve.
9. Measure and record the pressure in the probe.
10. Close the labcock valve.
11. Connect the methane monitoring instrument to the sampling hose.
12. Open the labcock valve.
13. Turn on the meter and observe the gas concentration readings, noting any spikes in concentration.
14. After the gas concentration readings stabilize, record the steady-state reading, making note of any spike that occurred prior to reaching a steady-state reading. Note that per Rule 62-701.530(2)(b), F.A.C., purging of the probe is not allowed.
15. Remove the instrument and hose, and close the labcock valve.
16. Repeat steps 3 through 15 for each probe.

Any problems encountered during monitoring, observations, or other pertinent information that could impact the interpretation of the data shall be recorded.

Monitoring Procedures for On-Site Structures

The following on-site structures will be monitored for methane or combustible gas on a quarterly basis using handheld field instruments in accordance with Rule 62-701.530(2)(a), F.A.C.:

- Administration building
- Scale house
- Leachate treatment plant
- Gun ranges

Methane will be monitored and recorded in terms of the percent by volume in air or as a percentage of the LEL, and the monitoring equipment will be calibrated each day prior to the monitoring.

The general locations for monitoring at each structure will be as described below.

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Administration Building--

A handheld meter will be used to monitor for methane at each of the following locations:

- Along the baseboards in each of the rooms, closets, and hallways
- In all ground-level cabinets
- At the floor drains in the bathrooms
- At all electrical outlets in each room and hallway
- At electrical panels inside and outside the building
- At outdoor electrical outlets

Scale House--

A handheld meter will be used to monitor for methane in the scale house at each of the following locations:

- Along the baseboards
- At any cracks in the concrete slab or flooring
- In all ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Leachate Treatment Plant--

Methane concentration will be checked at the following locations at the leachate treatment plant:

- At any cracks in the concrete slab or flooring
- In any ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

Gun Ranges--

There are two gun ranges on site that are operated by the Withlacoochee Technical Institute on the closed 60-acre landfill. At both gun ranges, the following locations will be monitored for methane.

- At cracks in the concrete slabs
- At all electrical outlets and switches
- At all slab penetrations, such as support posts for the roofs of the firing platforms

Ms. Susan Pelz, P.E.
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Page 8

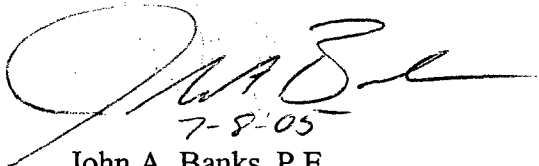
REPORTING

Results of the monitoring will be reported to FDEP quarterly. If the results of the monitoring show that combustible gas concentrations exceed the limits specified in Rule 62-710.530(1)(a), F.A.C., Citrus County will take the following actions:

- Immediately take all necessary steps to ensure protection of human health and notify FDEP of the exceedances.
- Within seven days of the detections, submit to FDEP for approval a gas remediation plan. The gas remediation plan must describe the nature and extent of the problem and the proposed remedy. The remedy must be completed within 60 days of detection unless otherwise approved by FDEP

Please call us if you have any questions.

Very truly yours,



7-8-05

John A. Banks, P.E.
Project Director

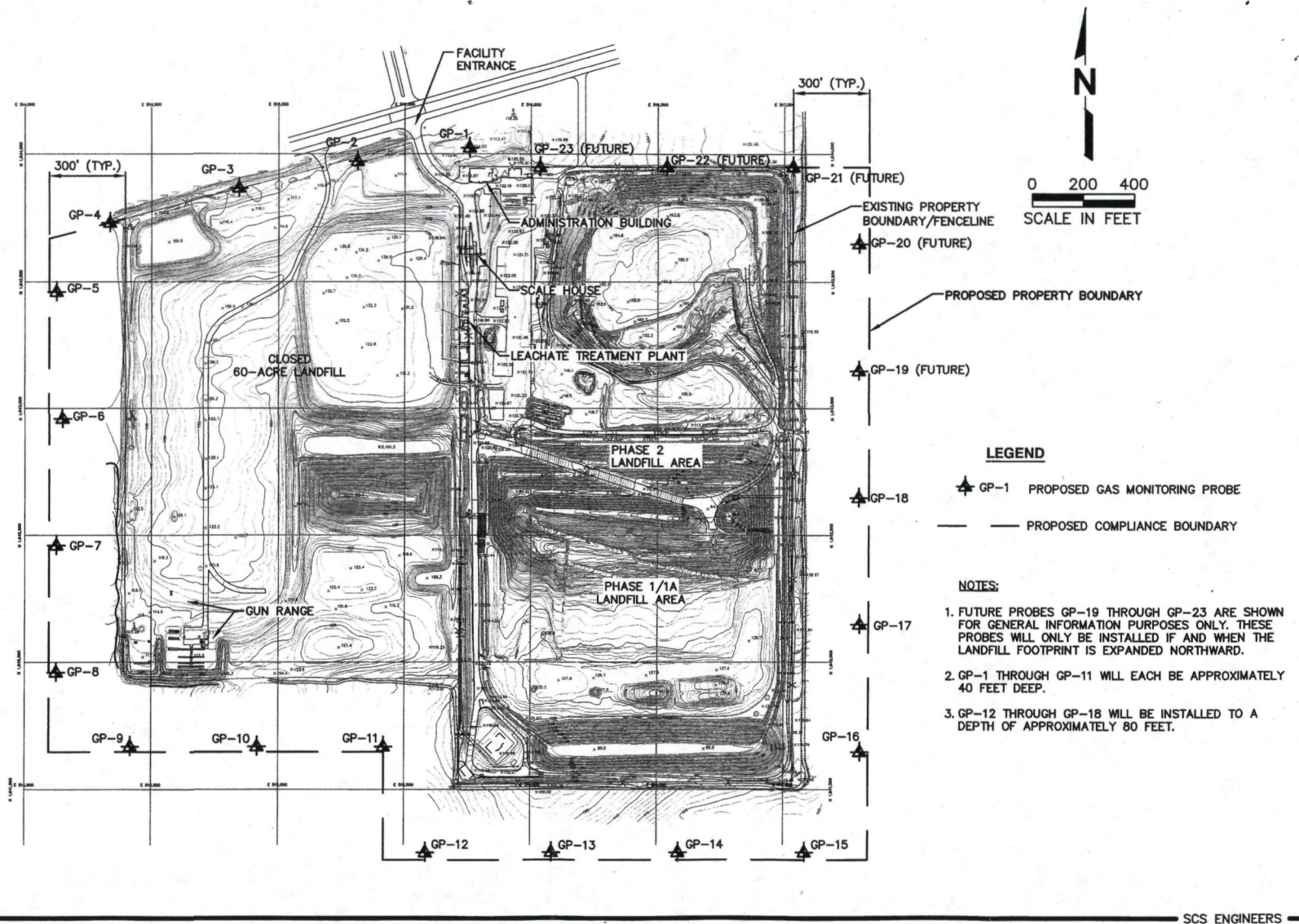


Raymond J. Dever, P.E., DEE
Vice President
SCS ENGINEERS

JAB/RJD:jab

cc: Susan J. Metcalfe, P.G., Citrus County w/enclosures

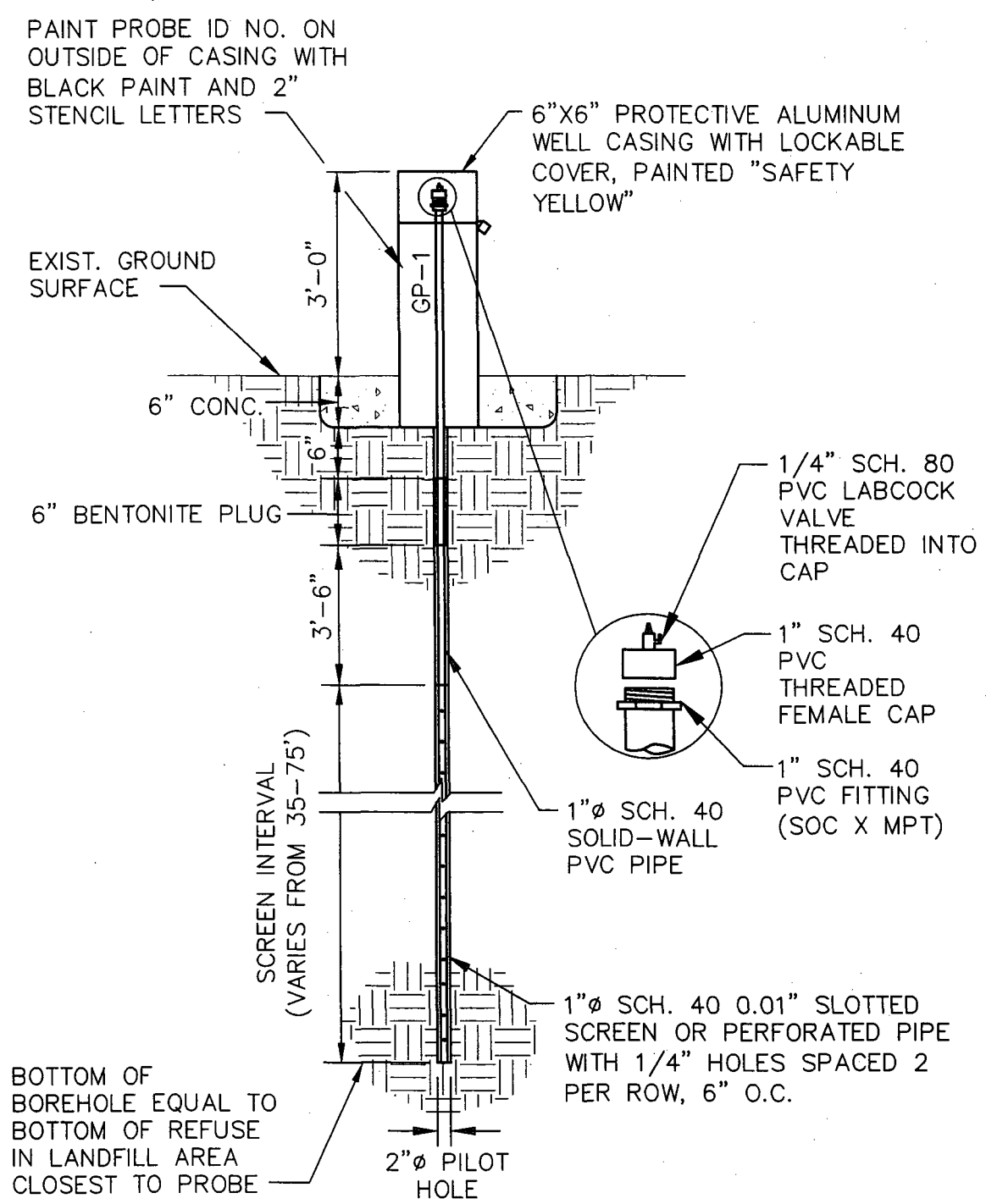
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SCS ENGINEERS

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

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SCS ENGINEERS

Figure 2. Proposed LFG Monitoring Probe Detail, Central Landfill, Citrus County.

Morris, John R.

From: John Locklear [jlocklear@jea.net]
Sent: Friday, July 22, 2005 11:11 AM
To: Morris, John R.
Subject: Citrus County Central Landfill
Importance: High

John,

Please replace the second page (beginning with "landfill is also...") of the Citrus County Central Landfill Groundwater Investigation Plan with the second page of the attached PDF file. Also please replace the fourth page (beginning with "5.0 Site Assessment") with the fourth page of the attached PDF. Four signed and sealed originals with the revised pages 2 and 4 are being mailed to your office today.

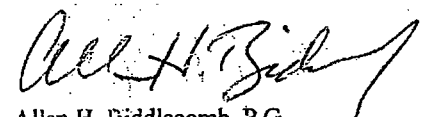
John D Locklear
Project Geologist
Jones, Edmunds & Associates, Inc.
(352) 377-5821
(352) 871-7061 cell
(352) 377-3166 fax
jlocklear@jea.net

7/22/2005

CITRUS COUNTY CENTRAL LANDFILL
GROUNDWATER INVESTIGATION PLAN

Prepared by:
JONES EDMUNDS & ASSOCIATES, INC.
730 N.E. Waldo Road
Gainesville, Florida 32641-5699
Certificate of Authorization # 1841

July 2005



Allan H. Biddlecomb, P.G.
Florida License No. 1258

7/22/05

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- 1.0 INTRODUCTION
- 2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING
- 3.0 LEASE EXPANSION
- 4.0 COMPLIANCE MONITORING WELL INSTALLATION
- 5.0 SITE ASSESSMENT
- 6.0 SCHEDULE

FIGURE 1 SITE PLAN WITH PROPOSED MONITORING WELL LOCATIONS

TABLE 1 COMPLIANCE WELL CONSTRUCTION DETAILS

TABLE 2 INITIAL GROUNDWATER ANALYTICAL PARAMETER LIST

1.0 INTRODUCTION

The Citrus County Central Landfill (Landfill) is currently operated under Florida Department of Environmental Protection permit 21375-003-SO. Modifications to the current groundwater monitoring plan have been proposed as part of the 2005 permit renewal application. These modifications are in response to inadequate monitoring well construction, proximity of monitoring wells to waste, and groundwater analytical data in exceedance of drinking water standards. The following plan outlines the proposed course of action to address deficiencies in the current plan. Several "steps" in the plan are contingent upon the outcome of previous "steps". An outline of the plan including key decision points and resultant activities is provided below:

1. Lease Expansion Agreement is Approved

- a. Minor Modification of Operating Permit
 - Submit permit modification to identify new property boundary, establish new zone of discharge 100 feet from the edge of waste, and establish routine groundwater sampling frequency within 30 days of approval of lease expansion.
- b. If no exceedances of primary drinking water standards are reported in the initial sampling event results, conduct routine monitoring at new compliance wells (MW-10 through MW-15 and MW-17).
- c. If exceedances of primary drinking water standards are reported in the initial sampling event results, commence site assessment activities at affected new wells in accordance with Chapter 62-780, F.A.C., within 60 days of receipt of analytical data. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2. Lease Expansion Agreement is Denied

- a. Commence site assessment activities at existing property line in accordance with Chapter 62-780, F.A.C., within 60 days of denial of lease expansion, or end of DEP extensions.
- b. Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Section 5.0.

2.0 PHYSICAL LOCATION AND GEOLOGICAL SETTING

The Landfill is located in central Citrus County approximately three miles east of Lecanto, Florida, near State Road 44. The landfill is located at latitude 28° 51' 07" North and longitude 82°26'12" West in Section 1, Township 19 South, Range 18 East. The Landfill is composed of a closed 60-acre site and an active 80-acre site. The active landfill is a lined cell with a leachate collection system. Except for seven acres, the closed landfill is unlined and is not served by a leachate collection system. The entire closed landfill is capped with a membrane and soil cover.

The Landfill lies within the Hernando Hammock physiographic subdivision of the Ocala Uplift District as described by Brooks (1981). This region is characterized by remnant erosional hills and ridges, which are in-filled with thick, weathered deposits of sand and clayey sand. The

landfill is also within the northern portion of the Brooksville Ridge. The Brooksville Ridge is characterized as an extensive, internally drained, karst terrain with high local relief.

Near-surface regional geology in the landfill area is typically characterized by undifferentiated sands and clays of the Hawthorn Group. The thickness and continuity of individual strata varies greatly in the area. The sand and clays act as a partial confining unit for the Floridan aquifer in some parts of the region. Beneath the undifferentiated sands and clays lies a thick sequence of Eocene age carbonate deposits, which generally consist of the Suwannee limestone, Ocala Group, and Avon Park formations.

Site specific geology is characterized by approximately 130 feet of surficial sands ranging from fine to medium sands to clayey, silty fine sands. Several 1-foot to 2-foot discontinuous clay layers are present between 50 and 80 feet bls. These sediments, when present, form a low permeability unit over the Floridan aquifer with an average hydraulic conductivity of 0.024 foot per day. These sediments do not have sufficient lateral continuity at the site to form a confining layer or support a separate perched water table aquifer. Beneath these sediments lies the Suwannee Formation. The Suwannee has a highly irregular surface beneath the site, with elevations ranging from 80 feet NGVD to -54 feet NGVD. The Floridan aquifer occurs under water-table conditions at the site and is the only consistent aquifer system present beneath the site.

3.0 LEASE EXPANSION

The County has initiated negotiations with the adjacent landowner (Florida State Division of Forestry) to expand the limits of the current lease agreement to increase the property boundary of the Landfill facility. Discussions with Ms. Gloria Nelson of the DEP Division of State Lands indicate that the current lease agreement can be amended within 90 days of submittal of a letter of intent from the local Division of Forestry representative. The letter of intent will include a legal description of the proposed expansion area. The Department may elect to grant the County up to 30 additional days from the effective date of the consent order to obtain and submit the agreement. The proposed boundary of the lease expansion is shown in Figure 1. Upon successful execution of the lease expansion, a minor permit modification application will be submitted to DEP to expand the Zone of Discharge boundary to 100 feet from the edge of waste as shown in Figure 1.

4.0 COMPLIANCE MONITORING WELL INSTALLATION

Seven new compliance monitoring wells (MW-10 through MW-15 and MW-17) will be installed with a spacing of no more than 500 feet between wells and within 100 feet of the edge of waste. The locations of the proposed downgradient monitoring wells are shown in Figure 1.

Each proposed monitoring well will be constructed of 2-inch PVC with 20-feet of 0.010-inch slotted screen extending from approximately -4 to 16 feet NGVD. This screen interval should accommodate the severe water level fluctuations observed at the site, while allowing for monitoring of the uppermost water bearing unit. The proposed monitoring well construction details are included below (Table 1).

Table I Proposed Wells			
Monitoring Well ID	Estimated Top of Casing Elevation (NGVD)	Proposed Well Screen Interval (NGVD)	
		Top	Bottom
MW-10	115	16	-4
MW-11	115	16	-4
MW-12	115	16	-4
MW-13	115	16	-4
MW-14	115	16	-4
MW-15	115	16	-4
MW-16	120	16	-4
MW-17	115	16	-4

Table

Notes:

TOC elevations and proposed well screen intervals are approximate; based on land surface elevations and historical groundwater elevations.

A piezometer (MW-16) will be installed south of existing well MW-6, to provide additional groundwater flow information. The proposed location of the new piezometer is shown in Figure 1. Proposed construction details are included above (Table 1-2).

Groundwater samples will be collected from wells MW-10, 11, 12, 13, 14, 15 and 17 to determine initial groundwater quality. Groundwater samples from the initial sampling will be analyzed for the parameters listed in Table 2 .

Table 2 Initial Groundwater Sampling Parameters	
Field Parameters	Laboratory Parameters
Static Water Levels	Total Ammonia - N
Specific Conductivity	Chlorides
Temperature	Iron
Ph	Mercury
Dissolved Oxygen	Nitrate
Turbidity	Sodium
Colors and Sheens (by observation)	Total Dissolved Solids
	Those Parameters listed in 40 CFR Part 258, Appendix I and Appendix II

Upon the completion of the above activities, a Groundwater Monitoring Plan Evaluation Report will be submitted to DEP that includes; a discussion of the work performed, a summary of the findings and, if necessary, additional changes to the existing Groundwater Monitoring Plan. The report will also address the need to implement a Site Assessment if warranted according to 62-780.600 (1), F.A.C.

5.0 SITE ASSESSMENT

As required by 62-780.600 (1), F.A.C., a site assessment will commence within 60 days after discovery of an offsite discharge. A site assessment will be performed if one of two events occur: (1) the expanded lease agreement is approved and drinking water standard exceedances are reported for the initial sampling of the newly installed compliance monitoring wells, (2) the expanded lease agreement is denied.

The Site Assessment will be designed and implemented to comply with the requirements of 62-780.600 (3), (4), and (5), F.A.C. As defined in 62-780.600 (3), F.A.C., the objectives of the site assessment will be as follows:

- a) To evaluate the current exposure and potential risk of exposure to humans and the environment, including multiple pathways of exposure. The physical, chemical, and biological characteristics of each contaminant and the individual site characteristics shall be considered. The individual site characteristics include:
 1. The current and projected use of the affected groundwater and surface water in the vicinity of the site;
 2. The current and projected land use of the area affected by the contamination;
 3. The exposed human population and ecological receptors including the presence of threatened or endangered species (flora and fauna). A general literature review and analysis based on site-specific conditions may be sufficient;
 4. The location of the plume;
 5. The degree and extent of contamination;
 6. The rate and direction of migration of the plume;
 7. The apparent or potential rate of degradation of contaminants through natural attenuation; and
 8. The potential for further migration in relation to the source property boundary;
- (b) To determine whether contamination is present and the types of contaminants present, and to determine the horizontal and vertical extent of contamination in every medium found to be contaminated (for soil in the unsaturated zone, to the more stringent of the direct exposure residential soil CTLs and the applicable leachability-based soil CTLs provided in Chapter 62-777, F.A.C., Table II; and for groundwater, to the groundwater CTLs or to the surface water CTLs provided in Chapter 62-777, F.A.C., Table I, as applicable);
- (c) To determine or confirm the origin(s) of the source(s) of contamination, if technologically feasible;
- (d) To establish the background concentrations;
- (e) To establish the horizontal extent and thickness of free product, if technologically feasible. If the soil concentration of a contaminant is above its soil saturation concentration (C_{sat}), free product may be present. [Refer to the technical report referenced in subsection 62-780.100(2), F.A.C., for development of soil CTLs based on C_{sat}.];
- (f) To determine whether source removal, in addition to any interim source removal already performed pursuant to Rule 62-780.500, F.A.C., is warranted;
- (g) To describe relevant geologic and hydrogeologic characteristics that influence migration and transport of contaminants at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.:

(h) To determine by means of a well survey whether any public water supply wells, as defined in Chapter 62-550, F.A.C., are present within a 1/2 mile radius of the site, whether the site is located within the regulated wellhead protection zone of a public water supply well or well field, and whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a 1/4 mile radius of the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.

(i) To determine whether any surface water will be exposed to contamination that migrates beyond the boundaries of the property at which site rehabilitation was initiated pursuant to this chapter;

(j) To report any off-site activities (for example, dewatering, active remediation, or flood control pumping) in the immediate vicinity of the site that may have an effect on the groundwater flow at the site, unless the site meets the No Further Action criteria of subsection 62-780.680(1), F.A.C.; and

(k) To facilitate the selection of a remediation strategy for the site that is protective of human health and the environment, and considers the proposed property use, identifies risks posed by the contamination based on the proposed use, and describes how those risks will be managed, unless No Further Action is deemed appropriate pursuant to the provisions of subsection 62-780.680(1), F.A.C.

Following completion of the Site Assessment, a Site Assessment Report (SAR) will be prepared which summarizes all tasks that were completed pursuant to subsections 62-780.600(3), (4), and (5), F.A.C., and the results obtained. The SAR will include one of the following:

1. A No Further Action Proposal without institutional controls or without institutional and engineering controls shall be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(1), F.A.C., or a No Further Action Proposal with institutional controls or both institutional and engineering controls may be included if the site meets the applicable No Further Action criteria of subsection 62-780.680(2) or (3), F.A.C.;

2. A Natural Attenuation with Monitoring Plan may be included if the site meets the Natural Attenuation with Monitoring criteria of Rule 62-780.690, F.A.C.;

3. A recommendation to prepare a risk assessment or a Risk Assessment work plan shall be included if the PRSR chooses to justify alternative CTLs using risk assessment studies demonstrating that human health, public safety, and the environment are protected to at least the same degree provided by the CTLs referenced in this chapter. The work plan shall include a schedule for completion of a risk assessment and documentation adequate to support the request to do one or more of the task elements of subsection 62-780.650(1), F.A.C., and shall specify the parameters or exposure assumptions that will be used to develop the alternative CTLs pursuant to Rule 62-780.650, F.A.C.; or

4. A recommendation to prepare a Remedial Action Plan pursuant to Rule 62-780.700, F.A.C., shall be included, unless a recommendation pursuant to subparagraph 62-780.600(8)(b)1., 2., or 3., F.A.C., is included.

6.0 SCHEDULE

1. Within 5 days of the effective date of the consent agreement:
 - a. Obtain Interim Access Agreement from local office of Division of Forestry to install new groundwater monitoring wells.

2. Within 90 days of the effective date of the consent agreement:
 - a. Obtain lease expansion agreement with Division of Forestry and DEP Division of State Lands. Submit copy of agreement and updated boundary survey to DEP.
 - b. Install and develop new downgradient monitoring wells within 100 feet of the edge of waste as shown in Figure 1.
 - c. Conduct initial groundwater sampling and analysis of new wells
 - d. Perform hydraulic conductivity testing at new wells
 - e. Submit summary report with recommendations for routine groundwater sampling frequency and the need to conduct further assessment activities to DEP.

As required by 62-780 Table A, the SAR will be submitted within 270 days of discovery of discharge.

Waste

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DISTRICT ROUTING SLIP

TO: Deborah Getzoff DATE: 7-21-05

cc To:

PENSACOLA	NORTHWEST DISTRICT	
Panama City	Northwest District Branch Office	
Tallahassee	Northwest District Branch Office	
Sopchoppy	Northwest District Satellite Office	
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: Larry Morgan Tel: 5C205-2246

Case Record (Part 1)

OGC Number * District * County *
Status Mode * Desc

Style of Case *
Alias Name
Site Name

Lead Attorney * Supervisor Initials
2nd Attorney Supervisor Initials

Primary Program Area *		Date *	Code *	OGC Case Activity
<input type="checkbox"/> <input type="text" value="SW"/>	<input type="text" value="SOLID WASTE"/>	06/07/2005	DMO	CASE OPENED IN DISTRICT WITH MODEL COI
<input type="checkbox"/>	<input type="text"/>	06/07/2005	ACO	ADMIN. CASE OPENED IN OGC
<input type="checkbox"/>	<input type="text"/>			
<input type="checkbox"/>	<input type="text"/>			

Secondary Program Areas

<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

Case Origin

Case in Litigation ?



Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, July 21, 2005 3:35 PM
To: Ken Frink; Petro, Stephanie
Cc: Richard Wesch; Thomas Dick; Getzoff, Deborah; Morgan, Steve; Pelz, Susan; Kutash, William
Subject: RE: DRAFT Citrus Co Consent Agreement

County -issued check, please.

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

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

>>> "Petro, Stephanie" <Stephanie.Petro@dep.state.fl.us> 07/21/2005
1:21:50 PM >>>
Ken,

Which payment method does the County prefer? We can accept a
County-issued
check.

Thank you,

Stephanie Petro, FDEP SW District Office, Solid Waste Section
Telephone: 813-744-6100, ext. 451 (suncom 512-1042, ext. 451)
Facsimile: 813-744-6125; E-mail: stephanie.petro@dep.state.fl.us
<mailto:stephanie.petro@dep.state.fl.us>

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

From: Ken Frink [mailto:Ken.Frink@bocc.citrus.fl.us]
Sent: Monday, July 18, 2005 3:19 PM
To: Richard Wesch; Pelz, Susan
Cc: Susan Metcalfe; Thomas Dick; Getzoff, Deborah; Petro, Stephanie;
Morgan, Steve; Kutash, William
Subject: RE: DRAFT Citrus Co Consent Agreement

Susan,

It certainly does not hurt to ask, but thank you for your
consideration. If at all possible, the agreement calls for a cashiers
check or money order. Can that language be removed? It is somewhat
of
a hardship to get payment in that form because it does not fit within
our own procedures. Nonetheless, if it has to stay, we understand.

Thanks

Ken

>>> "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> 07/18/2005 2:38:58 PM
>>>
Ken,

Please note that the administrative costs are not penalties, but are
an
estimate of Department costs based on the amount of staff time it has

ken

to develop and execute the Consent Agreement, and the time it is expected to take to track compliance with the Agreement. The Department routinely includes these costs in Consent Agreements and other Orders.

Likewise,

we

will be including the \$3,000 costs in this Agreement. We believe that

we

have accommodated the County's concerns by not including penalties in

the

Agreement.

Also, please find attached the letter authorizing the continued filling

of

Phases I/IA as discussed at the 7/5/05 meeting. Hard copy is being

mailed

today.

Please feel free to contact me if you have any questions.

Susan J. Pelz, P.E.

Solid Waste Program Manager

Southwest District

813-744-6100 x 386

susan.pelz@dep.state.fl.us

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

From: Ken Frink [mailto:Ken.Frink@bocc.citrus.fl.us]

Sent: Monday, July 18, 2005 8:50 AM

To: Pelz, Susan

Cc: Richard Wesch; Susan Metcalfe; Thomas Dick

Subject: DRAFT Citrus Co Consent Agreement

Good Morning Susan,

In reviewing the Draft agreement, the only item of concern I have is the \$3000 administrative fee under section 15. It was not one of the items we discussed and if possible we would like it removed from the agreement.

Please let me know your thoughts.

Thanks

Ken Frink

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, July 20, 2005 4:16 PM
To: Morgan, Steve; Pelz, Susan; John Morris <john.r.morris@dep.state.fl.us
Cc: Ken Frink; Thomas Dick; jlocklear@jea.net; jbanks@scsengineers.com
Subject: Comments on language in draft consent agreement

Susan,
County staff, including our Attorney, our consultants and staff from the Division of Forestry have all reviewed the language in the draft consent order. You and Ken Frink have already discussed and agreed to the administrative costs of \$3,000.

The only items for which I think there may be remaining issues or questions are:

Time line - I understand from our conversations with Forestry that the initial access agreement may take longer than our previous discussions had indicated (and as listed in the proposed consent agreement as a five day time frame). I also understand that you are getting input from Forestry's Tallahassee office on this matter. I believe that all parties are working at their best pace to resolve these issues. Would your preferred approach be to continue to report to you the impediments to meeting the initial proposed timetable or try to predict a more realistic timetable prior to signing the agreement? We suggest that the latter may not actually get us any closer to resolving the actions any faster.

Groundwater Investigation - We would like the language in Paragraph 12b to indicate that the applicable groundwater standards are the Primary Drinking Water Standards. This is based on our reading of 62-522.200 (1) which indicates an exemption from Secondary Drinking Water Standards for facilities, "which was in fact an installation reasonably expected to release contaminants into the ground water on or before July 1, 1982, and operated consistently with statutes and rules relating to ground water discharge in effect at the time of the operation." Because the groundwater conditions in question are immediately adjacent to a facility (unlined landfill) which was duly permitted and operated beginning in 1975, we feel this exemption applies.

Both consultants have materials on their way to you as requested for completing the permit backup etc.

We will send someone to pick up the paperwork when you notify us it is ready.

Please call or e-mail if you need to discuss these items.

Susie

FAX

Date: 7/19/05

Number of pages including cover sheet: 3

TO: Steve Bohl	FROM: Stephanie Petro
Division of Forestry	
PHONE:	PHONE: (813) 744-6100,
FAX #: 850-921-6724	FAX #: (813) 744-6125
CC:	
REMARKS: Urgent For your review	Reply ASAP Please comment
Steve,	
Per your request, ^{Copies} a copy of the figures depicting:	
- Proposed monitoring wells	
- Proposed gas probes	
at Citrus Central landfill	
Stephanie	

818509216724	NORMAL	19,17:21	0'55"	3	# 0 K
Telephone Number	Mode	Start	Time	Pages	Result Note

Jul 19 2005 17:23

P.1

** Transmit Conf. Report **

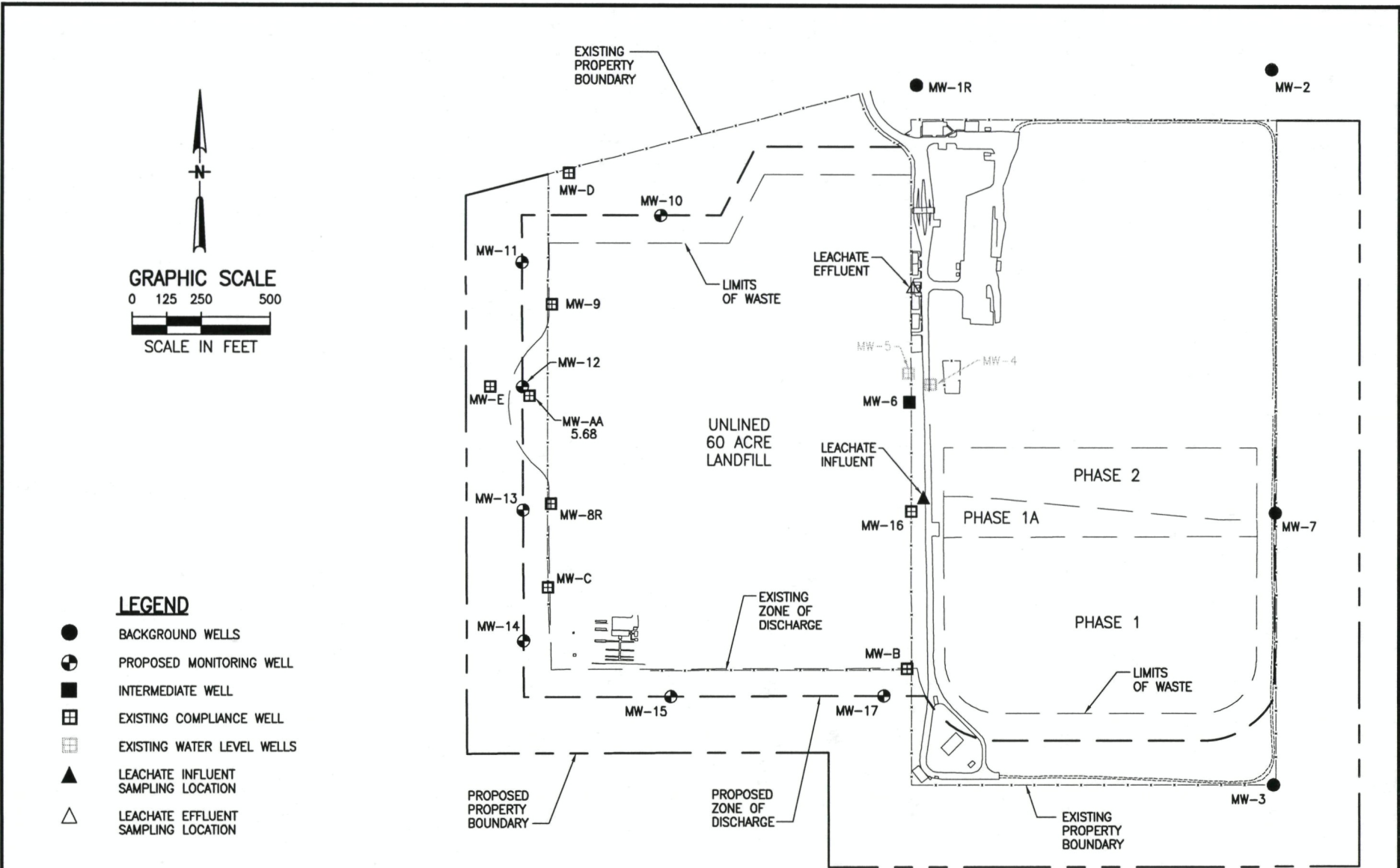


**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DRIVE
TAMPA, FL 33619-1352**

FAX

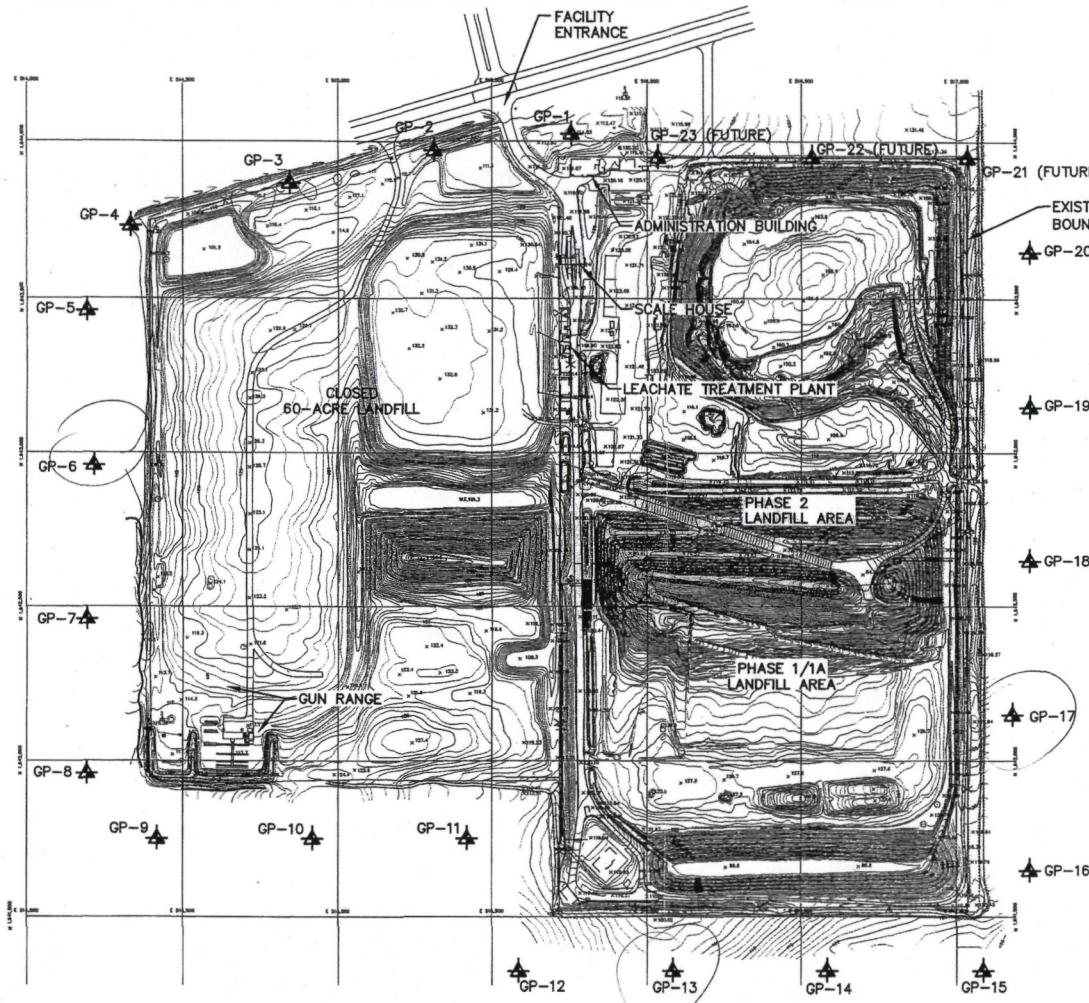
Date: 7/19/05
Number of pages including cover sheet: 3

TO:	Steve Bohl	FROM:	Stephanie Petro
	Division of Forestry		
PHONE:		PHONE:	(813) 744-6100,
FAX #:	850-921-6724	FAX #:	(813) 744-6125
CC:			
REMARKS:	Urgent	For your review	Reply ASAP
			Please comment
Steve,			
Per your request, ^{copies} a copy of the figures depicting:			
- Proposed monitoring wells			
- Proposed gas probes			
at Citrus Central landfill			
Stephanie			



SITE PLAN WITH PROPOSED WELL LOCATIONS
CITRUS COUNTY CENTRAL LANDFILL

G:\PROJ\CT\09199056\1\99561\GasMon.dwg Feb. 16, 2005 - 2:55pm Layout Name: Attachment 9-1 Bx Administrator



LEGEND

▲ GP-1 PROPOSED GAS MONITORING PROBE

NOTES:

1. FUTURE PROBES GP-19 THROUGH GP-23 ARE SHOWN FOR GENERAL INFORMATION PURPOSES ONLY. THESE PROBES WILL ONLY BE INSTALLED IF AND WHEN THE LANDFILL FOOTPRINT IS EXPANDED NORTHWARD.
2. GP-1 THROUGH GP-11 WILL EACH BE APPROXIMATELY 40 FEET DEEP.
3. GP-12 THROUGH GP-18 WILL BE INSTALLED TO A DEPTH OF APPROXIMATELY 80 FEET.
4. EXISTING INTERIM PROBES GS-2W, GS-8S AND GS-4E WILL BE RENAMED AS PERMANENT PROBES GP-6, GP-13 AND GP-17, RESPECTIVELY.

SCS ENGINEERS

Attachment 9-1. Proposed Landfill Gas Monitoring Probe Locations, Central Landfill, Citrus County, Florida.

Pelz, Susan

From: Pelz, Susan
Sent: Tuesday, July 19, 2005 5:18 PM
To: 'Susan Metcalfe'; Thomas Dick; jlocklear@jea.net; jbanks@scsengineers.com
Cc: Petro, Stephanie; Morris, John R.
Subject: RE: meeting with Forestry

Susie,

We just received a call from Steve Bohl (DOF in TAL) about this. We are faxing him the figures that will be part of the Exhibits in the Consent Agreement. We told him that the 5-day interim access agreement was to allow the County access to the area to install and sample monitoring wells and gas probes.

Since the time is so short, the County may want to have someone pick up the Consent Agreement after it is executed by Deborah (probably Thursday, at the latest, Friday) instead of relying on US Mail.

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

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Tuesday, July 19, 2005 4:57 PM
To: Thomas Dick; Pelz, Susan; jlocklear@jea.net; jbanks@scsengineers.com
Subject: meeting with Forestry

I had a meeting today with Keith Mousel and Winnie Schreiber from Forestry to discuss the access agreement and lease extension as it fits in with the consent agreement.

They understand the urgency and are ready to work with us to expedite this agreement. However, they indicated that the access agreement may not be locally approvable because of the nature and extent of work we need to do right away. This may delay the access for more than the 5 days in the draft consent agreement. They are researching this and will let me know as soon as they have an answer.

We will probably need to show them where the proposed sites are on the ground soon. We will also need to further discuss their short- and long-term needs in terms of the sublease agreement (access for drill rigs, facility protection style, underbrush maintenance, access for others, allowed activities, species of concern/protection, archaeological resources impact, and what we might have to do for them to make this a palatable deal).

As soon as we have the survey, I will put this together as a formal request. They have received the draft consent agreement, and the gas and groundwater plans.

Tracking:	Recipient	Read
	'Susan Metcalfe'	
	Thomas Dick	
	jlocklear@jea.net	
	jbanks@scsengineers.com	
	Petro, Stephanie	Read: 7/19/2005 5:22 PM
	Morris, John R.	Read: 7/19/2005 5:20 PM

Petro, Stephanie

From: Ken Frink [Ken.Frink@bocc.citrus.fl.us]
Sent: Monday, July 18, 2005 3:19 PM
To: Richard Wesch; Pelz, Susan
Cc: Susan Metcalfe; Thomas Dick; Getzoff, Deborah; Petro, Stephanie; Morgan, Steve; Kutash, William
Subject: RE: DRAFT Citrus Co Consent Agreement

Susan,

It certainly does not hurt to ask, but thank you for your consideration. If at all possible, the agreement calls for a cashiers check or money order. Can that language be removed? It is somewhat of a hardship to get payment in that form because it does not fit within our own procedures. Nonetheless, if it has to stay, we understand.

Thanks

Ken

>>> "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> 07/18/2005 2:38:58 PM
>>>
Ken,

Please note that the administrative costs are not penalties, but are an estimate of Department costs based on the amount of staff time it has taken to develop and execute the Consent Agreement, and the time it is expected to take to track compliance with the Agreement. The Department routinely includes these costs in Consent Agreements and other Orders. Likewise, we will be including the \$3,000 costs in this Agreement. We believe that we have accommodated the County's concerns by not including penalties in the Agreement.

Also, please find attached the letter authorizing the continued filling of Phases I/IA as discussed at the 7/5/05 meeting. Hard copy is being mailed today.

Please feel free to contact me if you have any questions.

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

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

From: Ken Frink [mailto:Ken.Frink@bocc.citrus.fl.us]
Sent: Monday, July 18, 2005 8:50 AM
To: Pelz, Susan
Cc: Richard Wesch; Susan Metcalfe; Thomas Dick
Subject: DRAFT Citrus Co Consent Agreement

Good Morning Susan,

In reviewing the Draft agreement, the only item of concern I have is the \$3000 administrative fee under section 15. It was not one of the items we discussed and if possible we would like it removed from the agreement.

Please let me know your thoughts.

Thanks

Ken Frink



Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Colleen M. Castille
Secretary

Mr. Richard Wm. Wesch, County Administrator
Citrus County
110 North Apopka Avenue
Inverness, Fl. 34450

July 18, 2005

RE: Citrus County Central Class I Landfill
Filling over Phase I/IA

Dear Mr. Wesch:

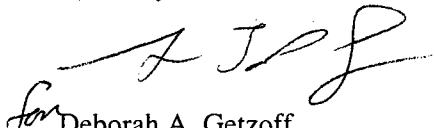
As we discussed in the meeting on July 5, 2005, the Department is aware of the County's capacity limitations at the Central County landfill. County staff has indicated that continuing waste disposal in Phases I/IA above the currently permitted height is expected to provide an additional two months of disposal capacity. The County has provided technical information to the Department's Solid Waste Section that demonstrates that the proposed increase in height is technically sound.

While the continued filling in Phases I/IA above the currently permitted height and slopes is not in strict accordance with the current permit, the Department has elected to use its enforcement discretion and not pursue enforcement for this activity until September 30, 2005 and is subject to the timely completion of the following:

1. Execution of the pending Consent Agreement;
2. Issuance of the pending operation permit renewal; and
3. Completion of technical and financial assurance issues related to certification of construction of Phase 2.

It is the Department's expectation that upon issuance of the pending operation permit or by September 30, 2005, whichever is later, normal operations should resume. I hope that this letter has clarified the Department's position regarding the proposed continued filling in landfill Phases I/IA. If you have any questions, please feel free to contact me at (813) 744-6100 x 352, or Susan Pelz, P.E., our Solid Waste Program Manager, at (813) 744-6100 x 386.

Sincerely,


Deborah A. Getzoff
District Director
Southwest District

sjp/DAG

cc: Gary Bartell, Citrus County BOCC, 110 N. Apopka Ave., Inverness, Fl. 34450
Ken Frink, Citrus County Public Works Director, 3600 W. Sovereign Path, Suite 212, Lecanto, Fl. 34461
Susan Metcalfe, Citrus County Solid Waste Management Division Director, 230 W. Gulf to Lake Hwy., Lecanto, Fl. 34461
William Kutash, Waste Program Administrator, FDEP Tampa
Susan Pelz, P.E., FDEP Tampa

"More Protection, Less Process"

Printed on recycled paper.

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, July 14, 2005 12:42 PM
To: Pelz, Susan
Subject: Re: DRAFT Citrus Co Consent Agreement

Received and distributed to all County representatives for review.

>>> "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> 07/14/2005 11:49:54 AM
>>>
Susie,

Please find attached the DRAFT of the Consent Agreement. Neither Deborah nor our Office of General Counsel have reviewed it yet. I have emailed it to OGC today as well to help expedite their review.

If you have any questions, please let me know (I will be out of the office tomorrow, but will check email about midday). We can discuss next week if you like.

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District
813-744-6100 x 386
susan.pelz@dep.state.fl.us
<<Draft Consent Agreement Citrus County.emailed.07-14-05.doc>>

Petro, Stephanie

From: Pelz, Susan
Sent: Thursday, July 14, 2005 11:50 AM
To: Susan Metcalfe (E-mail)
Cc: Petro, Stephanie; Morris, John R.; Morgan, Steve; London, Lisa; Getzoff, Deborah
Subject: DRAFT Citrus Co Consent Agreement

Importance: High

Susie,

Please find attached the DRAFT of the Consent Agreement. Neither Deborah nor our Office of General Counsel have reviewed it yet. I have emailed it to OGC today as well to help expedite their review.

If you have any questions, please let me know (I will be out of the office tomorrow, but will check email about midday). We can discuss next week if you like.

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



Draft Consent
Agreement Citrus...

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

IN THE OFFICE OF THE
SOUTHWEST DISTRICT

Complainant,
vs.

OGC FILE NO. 05-1078

Citrus County
Board of County Commissioners,

Respondent.
_____ /

CONSENT AGREEMENT

This Consent Agreement is entered into between the State of Florida Department of Environmental Protection ("Department") and the Citrus County Board of County Commissioners ("Respondent") to reach settlement of certain matters at issue between the Department and Respondent.

The Department finds and the Respondent neither admits nor denies the following:

1. The Department is the administrative agency of the State of Florida having the power and duty to administer and enforce the provisions of Chapter 403, Florida Statutes, and the rules promulgated thereunder, Title 62, Florida Administrative Code (F.A.C.). The Department has jurisdiction over the matters addressed in this Consent Agreement.
2. Respondent is a person within the meaning of Section 403.031(5), Florida Statutes.
3. Respondent is the operator of the Citrus County Central Class I Landfill and the Closed Class I Landfill ("facility"). The facility is located at 28 degrees 51 minutes and 8 seconds latitude, and 82 degrees, 26 minutes, and 38 seconds longitude. The facility is located

near S.R. 44, approximately 3 miles east of Lecanto in Citrus County, Florida. Respondent operates the facility under Department Permit No. 21375-003-SO ("Permit"), which expires on August 31, 2005.

4. The Department finds that the following violations occurred: According to a file review conducted on June 9, 2005, exceedances of Department ground water standards were reported at downgradient ground water monitoring wells since 2002 and exceedances of the lower explosive limit for combustible gases (calibrated to methane) were reported at landfill gas monitoring probes located at or beyond the property boundary since November 2003.

5. Having reached a resolution of the matter Department and the Respondent mutually agree and it is,

ORDERED:

6. The approved "Groundwater Investigation Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit A, and the Respondent shall implement the proposals in the Groundwater Investigation Plan pursuant to the approved schedule.

7. The approved "Landfill Gas Compliance Action Plan" shall be incorporated herein and made a part of this Consent Agreement, as Exhibit B, and the Respondent shall implement the proposals in the Landfill Gas Compliance Action Plan pursuant to the approved schedule.

8. Within 5 days of the effective date of the Consent Agreement, the Respondent shall obtain an Interim Access Agreement from the Division of Forestry to install new ground water monitoring wells and landfill gas monitoring probes, and submit a copy of this access agreement to the Department.

9. Within 90 days of the effective date of the Consent Agreement, the Respondent shall obtain a lease expansion agreement from the Division of Forestry/State Lands and submit a copy of this lease agreement to the Department. If the lease expansion agreement is not obtained within 90 days of the effective date of the Consent Agreement, the Department reserves the right to grant an extension of 30 days to Respondent to obtain such lease expansion agreement if an extension is warranted. If the Department grants Respondent an extension, then compliance with Ordered Section paragraphs 12.a. through 12.c. shall be due upon an additional 30 days from each of the dates required by those paragraphs in this Consent Agreement.

10. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install and develop ground water monitoring wells MW-10 through MW-15 and MW-17 within 100 feet of the edge of waste disposal cells, conduct an "initial sampling event" at these wells, and submit a summary report of the initial sampling event results to the Department with recommendations regarding the need to conduct further assessment activities, as summarized in Exhibit A.

11. Within 90 days of the effective date of the Consent Agreement, the Respondent shall install new landfill gas monitoring probes GP-1 through GP-18 at the new property boundary, submit a to-scale construction drawing of the new gas monitoring probes, and submit gas monitoring data results to the Department, as summarized in Exhibit B. Existing gas monitoring probes shall not be abandoned until the lease expansion agreement referenced in Paragraph 9 is submitted to the Department and the permit modification referenced in Paragraph 12.a., is issued.

12. If the lease expansion agreement referenced in Paragraph 9 is obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement, then the Respondent shall proceed with the following activities:

a) Within 120 days of the effective date of the Consent Agreement, Respondent shall submit an application for a permit modification to the Department that addresses changes in the facility's boundaries, zone of discharge (ZOD), monitoring well network, routine ground water sampling frequency, and landfill gas monitoring system.

b) If exceedances of ground water standards or minimum criteria as specified in Chapter 62-520, F.A.C., are reported in the initial sampling event results referenced in Paragraph 10, then within 150 days of the effective date of the Consent Agreement, the Respondent shall commence site assessment activities at the affected new wells (MW-10 through MW-15 and MW-17) at the new ZOD in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

c) If exceedances of Rule 62-701.530(1)(a), F.A.C., are reported in the gas monitoring data results referenced in Paragraph 11, then within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of "Phase 2" of the approved Landfill Gas ("LFG") Compliance Action Plan at the new property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas from each zone as determined by the

geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the new property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the effective date of the Consent Agreement, the Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

d) Within 30 days of the Department's notification to the Respondent that supplemental corrective actions are required, Respondent shall submit to the Department a proposed gas management system in accordance with the Phase 3 LFG Compliance Action Plan of Exhibit B. Within 180 days of the Department's approval of this proposed gas management system, the Respondent shall complete the installation of the Phase 3 LFG Compliance Action Plan and submit a Certification of Construction Completion form (with supporting documentation) for Phase 3 (Certification) to the Department. Within 120 days of submitting the Certification to the Department, the Respondent shall submit a Phase 3 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, to the Department for review and approval. Based on the Phase

3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

e) Within 30 days of the Department's notification to the Respondent that additional supplemental corrective actions are required, Respondent shall submit a revised Exhibit B to the Department for review and approval. The revised Exhibit B shall detail additional corrective actions to address LFG migration and include a schedule for implementation and completion of the activities.

13. If the lease expansion agreement referenced in Paragraph 9 is not obtained and submitted to the Department within 90 days of the effective date of this Consent Agreement or in accordance with an extension granted by the Department, then the Respondent shall proceed with the following activities:

a) Within 150 days of the effective date of the Agreement, Respondent shall commence ground water monitoring site assessment activities at the affected existing wells (MW-AA, MW-B, MW-C, MW-D, MW-8R, and MW-9) at the existing property boundary in accordance with Chapter 62-780, F.A.C. The Respondent shall conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

b) Within 150 days of the effective date of the Consent Agreement, the Respondent shall complete installation of "Phase 2" of the approved LFG Compliance Action Plan at the existing property boundary, as summarized in Exhibit B, and submit a to-scale drawing of the constructed Phase 2 landfill gas remediation system to the Department. The passive venting system described in the Phase 2 LFG Compliance Action Plan of Exhibit B shall include vents screened appropriately to capture landfill gas

from each zone as determined by the geoprobe investigation. Upon completion of the installation of the Phase 2 LFG remediation system, the Respondent shall conduct monthly gas probe monitoring to demonstrate the effectiveness of the Phase 2 LFG remediation system and compliance at the existing property boundary. Respondent shall continue to conduct this monthly monitoring until authorized by the Department to terminate or modify the frequency or locations of the monitoring. Within 270 days of the effective date of the Consent Agreement, the Respondent shall submit a Phase 2 LFG Compliance Action Plan Summary Report, recommending further activities, if appropriate, as summarized in Exhibit B, to the Department for review and approval. Based on the Phase 2 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require supplemental corrective actions (e.g., implementation of the Phase 3 LFG Compliance Action Plan).

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3 LFG Compliance Action Plan Summary Report and monthly gas monitoring data, the Department may require additional supplemental corrective actions.

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14. Upon review of the submittals required by this Consent Agreement, the Department may request additional information. All additional information shall be submitted to the Department within 30 days of receipt of the Department's written request.

15. Within thirty (30) days of the effective date of this Consent Agreement, Respondent shall pay the Department \$3,000 in settlement of the matters addressed in this Consent Agreement. This amount includes \$3,000 for costs and expenses incurred by the Department during the investigation of this matter and the preparation and tracking of this Consent Agreement. Payment shall be made by cashier's check or money order. The instrument shall be made payable to the "Department of Environmental Protection" and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund."

16. Respondent agrees to pay the Department stipulated penalties in the amount of \$100 per day for each and every day Respondent fails to timely comply with any of the requirements of paragraphs 6-15 of this Consent Agreement. A separate stipulated penalty shall be assessed for each violation of this Consent Agreement. Within 30 days of written demand from the Department, Respondent shall make payment of the appropriate stipulated penalties to

"The Department of Environmental Protection" by cashier's check or money order and shall include thereon the OGC number assigned to this Consent Agreement and the notation "Ecosystem Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352. The Department may make demands for payment at any time after violations occur. Nothing in this paragraph shall prevent the Department from filing suit to specifically enforce any of the terms of this Consent Agreement. Any penalties assessed under this paragraph shall be in addition to the settlement sum agreed to in paragraph 15 of this Consent Agreement. If the Department is required to file a lawsuit to recover stipulated penalties under this paragraph, the Department will not be foreclosed from seeking civil penalties for violations of this Consent Agreement in an amount greater than the stipulated penalties due under this paragraph.

17. If any event, including administrative or judicial challenges by third parties unrelated to the Respondent, occurs which causes delay or the reasonable likelihood of delay, in complying with the requirements of this Consent Agreement, Respondent shall have the burden of proving the delay was or will be caused by circumstances beyond the reasonable control of the Respondent and could not have been or cannot be overcome by Respondent's due diligence. Economic circumstances shall not be considered circumstances beyond the control of Respondent, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of Respondent, unless the cause of the contractor's late performance was also beyond the contractor's control. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, Respondent shall notify the Department orally within 24 hours or by the next working day and

shall, within seven calendar days of oral notification to the Department, notify the Department in writing of the anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Respondent intends to implement these measures. If the parties can agree that the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of Respondent, the time for performance hereunder shall be extended for a period equal to the agreed delay resulting from such circumstances. Such agreement shall adopt all reasonable measures necessary to avoid or minimize delay. Failure of Respondent to comply with the notice requirements of this Paragraph in a timely manner shall constitute a waiver of Respondent's right to request an extension of time for compliance with the requirements of this Consent Agreement.

18. Respondent shall publish the following notice in a newspaper of daily circulation in Citrus County, Florida. The notice shall be published one time only within 15 days after the effective date of the Consent Agreement by the Department.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF CONSENT AGREEMENT

The Department of Environmental Protection gives notice of agency action of entering into a Consent Agreement with Citrus County Board of County Commissioners pursuant to Section 120.57(4), Florida Statutes. The Consent Agreement addresses exceedances of groundwater standards and landfill gas criteria at the Citrus County Central Class I and Closed Class I Landfills located near S.R. 44, 3 miles east of Lecanto in Citrus County. The Consent Agreement is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

Persons whose substantial interests are affected by this Consent Agreement have a right to petition for an administrative hearing on the Consent Agreement. The Petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner; the Department's identification number for the Consent Agreement and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Agreement; (c) A statement of how each petitioner's substantial interests are affected by the Consent Agreement; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Agreement; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Agreement; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Agreement.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Agreement have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

A person whose substantial interests are affected by the Consent Agreement may file a timely petition for an administrative hearing under Sections 120.569 and 120.57, Florida Statutes, or may choose to pursue mediation as an alternative remedy under Section 120.573, Florida Statutes, 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.

Mediation may only take place if the Department and all the parties to the proceeding agree that mediation is appropriate. A person may pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Respondent, 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 Consent Agreement. 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, within 10 days after the deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement; and
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this notice of intent or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference.
- (h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, 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 21 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, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

19. Entry of this Consent Agreement does not relieve Respondent of the need to comply with applicable federal, state or local laws, regulations or ordinances.

20. The terms and conditions set forth in this Consent Agreement may be enforced in a court of competent jurisdiction pursuant to Sections 120.69 and 403.121, Florida Statutes. Failure to comply with the terms of this Consent Agreement shall constitute a violation of Section 403.161(1)(b), Florida Statutes.

21. Respondent is fully aware that a violation of the terms of this Consent Agreement may subject Respondent to judicial imposition of damages, civil penalties up to \$10,000.00 per day per violation and criminal penalties.

22. Respondent shall allow all authorized representatives of the Department access to the property and facility at reasonable times for the purpose of determining compliance with the terms of this Consent Agreement and the rules and statutes of the Department.

23. All submittals and payments required by this Consent Agreement to be submitted to the Department shall be sent to the Florida Department of Environmental Protection, Solid Waste Manager, 3804 Coconut Palm Drive, Tampa, Florida 33619-1352.

24. The Department hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit any violations of applicable statutes, or the rules promulgated thereunder that are not specifically addressed by the terms of this Consent Agreement, including but not limited to undisclosed releases, contamination or polluting conditions.

25. The Department, for and in consideration of the complete and timely performance by Respondent of the obligations agreed to in this Consent Agreement, hereby waives its right to seek judicial imposition of damages or civil penalties for alleged violations outlined in this

Consent Agreement; provided, however, should the Department conclude that clean up of the contaminated area to site rehabilitation levels is not feasible; or should the Respondent not completely implement the remedial or corrective action plan (however denominated) as approved by the Department; the Department expressly reserves its right to seek restitution from Respondent for environmental damages. Within 20 days of receipt of the Department's written notification of its intent to seek said restitution, Respondent may pay the amount of the damages or may, if it so chooses, initiate negotiations with the Department regarding the monetary terms of restitution to the state. Respondent is aware that should a negotiated sum or other compensation or environmental damages not be agreed to by the Department and Respondent within 20 days of receipt of Department written notification of its intent to seek restitution, the Department may institute appropriate action, either administrative through a Notice of Violation, or judicial, in a court of competent jurisdiction through a civil complaint, to recover Department assessed environmental damages as provided by law.

26. Respondent acknowledges and waives its right to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes, on the terms of this Consent Agreement. Respondent acknowledges its right to appeal the terms of this Consent Agreement pursuant to Section 120.68, Florida Statutes, and waives that right upon signing this Consent Agreement.

27. No modifications of the terms of this Consent Agreement shall be effective until reduced to writing and executed by both Respondent and the Department.

28. This Consent Agreement is a settlement of the Department's civil and administrative authority arising under Florida law to resolve the matters addressed herein. This Consent Agreement is not a settlement of any criminal liabilities which may arise under Florida

law, nor is it a settlement of any violation which may be prosecuted criminally or civilly under federal law.

29. Respondent shall use all reasonable efforts to obtain any necessary access for work to be performed in the implementation of this Consent Agreement. If necessary access cannot be obtained, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, Respondent shall notify the Department within (5) business days of such refusal or revocation. The Department may at any time seek to obtain access as is necessary to implement the terms of this Consent Agreement. The Respondent shall reimburse the Department for any damages, costs, or expenses, including expert and attorneys fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain access as is necessary to implement the terms of this Consent Agreement. Respondent shall pay these sums to the Department or arrange a payment schedule with the Department within 30 days of written demand by the Department.

30. This Consent Agreement is a final order of the Department pursuant to Section 120.52(7), Florida Statutes, and it is final and effective on the date filed with the Clerk of the Department unless a Petition for Administrative Hearing is filed in accordance with Chapter 120, Florida Statutes. Upon the timely filing of a petition this Consent Agreement will not be effective until further order of the Department.

FOR THE RESPONDENT:

I, _____ on behalf of _____, **HEREBY ACCEPT THE TERMS OF THE SETTLEMENT OFFER IDENTIFIED ABOVE.**

By: _____ Date: _____

Title: _____

DONE AND ORDERED this _____ day of _____, 2005,

in _____, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff
District Director
Southwest District

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

Clerk

Date

Copies furnished to:
Larry Morgan, OGC
Kathy Carter, OGC (executed copy only)

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, July 13, 2005 5:12 PM
To: Pelz, Susan
Cc: Thomas Dick; Morris, John R.; Petro, Stephanie; Morgan, Steve; jlocklear@jea.net; jbanks@scsengineers.com
Subject: Re: Citrus Co Consent Agreement

I believe we can get to that point by then - the paperwork part of actually modifying the lease with State Lands is reported to be just a few weeks (2-3). Our part, producing the survey and legal description plus the "justification" will be done before the CO is issued. Then the local Forestry folks have to review and (hopefully) approve the action plans. The only holdup may be on negotiating the road-building, fencing, maintenance activities and eagle exclusion area issues. We are committed to pushing this as fast as we can.

Keith Mousel knows that we need the temporary access agreement, that is up to his local office, ASAP in order to start the wells and probes and that there really is not much choice in that.

If some of the proposed investigation points are in an eagle nest exclusion area, does that trump the spacing issue for you? If not, who argues that with Fish and Wildlife (who is yet another player) and who have the final say on the bugs, bunnies and birds items.

The County and consultants are busily getting all of these part finished up so we can present everything to our BOCC on the 26th.

>>> "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> 07/13/2005 4:37:26 PM
>>>
Susie,

We were hoping to get you a draft Consent Agreement (CA) today, but we are struggling with the date for obtaining the lease agreement. Since everything rests on whether or not you get the lease, this is the critical piece. In the current version, we have 60 days from execution of the CA for the County to get the lease, with a possible 30 day extension to 90 days from execution of the CA to get it. Do you think you all can live with this?

The initial installation and sampling of the proposed MW and gas probes is 90 days from execution of the CA.

I hope to get you a DRAFT of the CA tomorrow morning.

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

Pelz, Susan

From: Pelz, Susan
Sent: Wednesday, July 13, 2005 4:37 PM
To: Susan Metcalfe (E-mail)
Cc: Petro, Stephanie; Morris, John R.; Morgan, Steve
Subject: Citrus Co Consent Agreement

Importance: High

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

Tracking:	Recipient	Read
	Susan Metcalfe (E-mail)	
	Petro, Stephanie	Read: 7/13/2005 4:38 PM
	Morris, John R.	Read: 7/13/2005 6:39 PM
	Morgan, Steve	Read: 7/13/2005 4:52 PM



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

DATE: JULY 7, 2005 TIME: 1330
LOCATION/CONFERENCE ROOM: AIR CONF ROOM
SUBJECT: CITRUS CENTRAL LANDFILL

ATTENDEES

<u>NAME</u>	<u>AFFILIATION</u>	<u>TELEPHONE NUMBER</u>
<u>Stephanie Petro</u>	<u>FDEP Solid Waste</u>	<u>837446100 x451</u>
<u>Susan Pelz</u>	<u>FDEP SW</u>	<u>813 7446100 x386</u>
<u>John Banks</u>	<u>SCS Engineers</u>	<u>913-621-0080</u>
<u>John Locklear</u>	<u>Jones, Edmunds + Assoc.</u>	<u>352-377-5821</u>
<u>GARY BARTELL</u>	<u>Citrus BOC</u>	<u>352-341-6560</u>
<u>Tom Dick</u>	<u>CITRUS County Public Works</u>	<u>352-527-5777</u>
<u>Ken Frink</u>	<u>CITRUS County Public Works</u>	<u>352 527 5465</u>
<u>Richard W. Wesch</u>	<u>Citrus Co.</u>	<u>352.341.6565</u>
<u>Susan Metcalfe</u>	<u>Citrus County Solid Waste</u>	<u>352 527 7671</u>
<u>John Morris</u>	<u>DEP Solid Waste Section</u>	<u>813-744-6100 EXT 336</u>
<u>Debra Ostroff</u>	<u>" " "</u>	<u>813 744 6100 -381</u>

CITRUS CENTRAL LANDFILL

CONSENT ORDER ITEMS

1. Within 5 days of the effective date of the consent order:
 - Obtain Interim Access Agreement from local office of Division of Forestry to install new ground water wells and gas probes; submit copy of agreement to DEP.

2. Within 60 days – 90 days of the effective date of the consent order:
 - Obtain agreement with Division of Forestry/State Lands regarding lease expansion; submit copy of agreement and updated compliance boundary survey to DEP.
 - If DEP agrees that County has demonstrated reasonable progress toward obtaining agreement, DEP may elect to grant County up to 90 days from effective date of Order to obtain and submit agreement.

3. Within 90 days of the effective date of the consent order:
 - Install and develop new downgradient monitor wells within 100 feet of the edge of waste disposal cells (MW-10 through MW-15 and MW-17)
 - Conduct “initial sampling event” at new wells
 - Perform slug tests at new wells
 - Submit summary report with recommendations for routine ground water sampling frequency and need to conduct further assessment activities to DEP.

4. Within 90 days of the effective date of the consent order:
 - Install new gas probes at the new property boundary (GP-1 through GP-18)
 - Submit gas monitoring data and to-scale construction drawing of location of new probes to DEP.

CITRUS CENTRAL LANDFILL

LEASE EXPANSION ALTERNATIVES

1. **Expansion Approved:**

Minor Modification of Operating Permit

- Submit permit modification to identify new property boundary, establish new zone of discharge 100 feet from the edge of waste, and establish routine ground water sampling frequency within 30 days of approval of lease expansion.

Ground Water

- If no "hits" are reported in the initial sampling event results, conduct routine monitoring at new compliance wells (MW-10 through MW-15 and MW-17).
- If "hits" are reported in the initial sampling event results, commence site assessment activities at affected new wells in accordance with Chapter 62-780, F.A.C., within 60 days of receipt of analytical data.
- Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

Gas Probes

- If no "hits" are reported, conduct routine quarterly gas monitoring at new gas probes (GP-1 through GP-18).
- If "hits" are reported, implement approved gas remediation plan at a location to be determined between the waste footprint and the new property line, as summarized in Exhibit B.
- Conduct monthly gas probe monitoring for a minimum of 3 months to demonstrate the effectiveness of the gas remediation plan and compliance at the new property boundary
- Submit summary report recommending further activities, as appropriate, as summarized in Exhibit B.

2. **Expansion Denied:**

Ground Water

- Commence site assessment activities at existing property line in accordance with Chapter 62-780, F.A.C., within 60 days of denial of lease expansion, or end of DEP extensions.
- Conduct site assessment activities and submit a Site Assessment Report in accordance with the requirements of Rule 62-780.600, F.A.C., as summarized in Exhibit A.

Gas Probes

- Implement approved gas remediation plan at a location to be determined between the waste footprint and the existing property line, as summarized in Exhibit B within 60 days of denial of lease expansion, or end of DEP extensions.
- Conduct monthly gas probe monitoring for a minimum of 3 months to demonstrate the effectiveness of the gas remediation plan and compliance at the new property boundary
- Submit summary report recommending further activities, as appropriate, as summarized in Exhibit B.

Caveat: Existing probes at existing property line cannot be abandoned until the lease expansion is approved or replacement probes are installed at existing property line.

2/7/05

Citrus Co

Can they use new Phase 2? or special dispensation for use of Phase 1/A?

They are proposing asking what they can do w/ trash after 2/15/05

can't Auth Phase 2 until permit issued -
can use enf discretion to allow some use of Phase 1/A as long as ~~is~~ ^{corrective actions} is wrapped up soon

CO is only vehicle available to "memorialize" efforts...

- clarify → only rule change is 62-780
- didn't change standards, just assessment actions (process rules)
- timeframes & orders
- violations pre-existed that rule
- don't have a legal way to renew permit
reasonable assurances that it will be resolved
- need to be consistent w/ other facilities

Misunderstanding about what the monitoring reports mean -

groundwater contamination is a big issue for us
- so we have to address it

0000

SL levels of contaminants are over standards
- levels are fairly steady, but still over std

SM Jan mtg - got picture that gotta ~~be~~ needed to be addressed

- didn't understand the approach on level of concern

- 1st time it came up was in January

- no discussion at last permit renewal

DAG Can appreciate their position

- understand having discussions w/ forestry

- we want to enter CO that describes process w/ timeframes

- contingency if prop. boundary doesn't happen

RW don't want "Consent Order" ... "Action Plan" "Agreement"
concern is media

DAG Consent Order not unique to Citrus Co ... allows us to resolve issues w/o judicial action -

can "neither admit nor deny" ... normal way

for us to resolve us ... not a special stigma ...

last couple of wks - OBC won't let it change

* must be "Consent Order" ...

- sometimes have titled it differently -

- not seeking penalties - DAG will speak to OBC

to see if ~~they~~ we can use "Consent Agreement"

★ we need CO to be signed so we can issue
- draft CO to County before OGC

emergency permission for Phase 1/1A →
we'll give them letter, exercise enfs discretion to
not take enfs to get CO signed

JRM locations, well construction details ok
- what's proposed is ok
- need to have new figures

Additional space on 1/1A → ^{end} Sept is ~~ok~~
BOCC 2nd & 4th Tues of month 7/26

★ cost ests -
check w/ Division

~~ok~~ send draft CO to Susie Metcalfe & she will distribute it

Memorandum

Florida Department of Environmental Protection

TO: Susan Pelz, P.E.
FROM: Stephanie Petro
DATE: July 6, 2005
SUBJECT: Citrus Central Class I Landfill
Operating Permit Renewal, Pending Permit 21375-008-SO
"Gas Management System Requirements" (GMSR)
cc: John R. Morris
Steve Morgan

The Department intends to use the GMSR as an exhibit for the anticipated consent order to be developed for the facility to address ground water and landfill gas issues. The activities and related schedule proposed in the GMSR are compared with the preferred approach to conducting the investigation of ground water conditions at Citrus Central Landfill, as follow:

<u>Proposed Investigative Activity</u>	<u>Preferred Schedule for Implementation</u>	<u>Corresponding Item in the GMSR</u>
1. Obtain written access agreement with local office of Division of Forestry to install new gas probes	5 days from C.O. execution.	Not included.
2. Obtain agreement with Division of Forestry/State Lands regarding lease expansion; submit copy of lease agreement & updated compliance boundary survey	60 – 90 days from C.O. execution.	1 year from C.O. execution.
3. Install interim gas probes in locations designated; submit report summarizing results of evaluation	90 days from C.O. execution.	1 year from C.O. execution?
4. Submit permit mod for new gas probes	Timeline not established.	No timeline provided.
5. If expansion denied or hits at new gas probes, installation of gas remediation system between waste footprint & property boundary; provide evaluation report to the Department	Timeline not established.	No timeline provided.
6. Conduct monthly gas probe monitoring for a minimum of 3 months to demonstrate the effectiveness of the gas remediation plan and compliance at the new property boundary	Timeline not established.	Not included.
7. Submit summary report recommending further activities, as appropriate, as summarized in Exhibit B.	Timeline not established.	No timeline provided.

I can be contacted at 813-744-6100, extension 451 to discuss these comments.

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

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Memorandum

**Florida Department of
Environmental Protection**

TO: Susan Pelz, P.E.
FROM: John R. Morris, P.G.
DATE: July 5, 2005
SUBJECT: Citrus Central Class I Landfill
 Operating Permit Renewal, Pending Permit 21375-008-SO
 "Ground Water Investigation Plan"
cc: Stephanie Petro
 Steve Morgan

I have reviewed the document entitled "Citrus County Central Landfill, Ground Water Investigation Plan" (GWIP), prepared by Jones, Edmunds & Associates, Inc. (JEA), dated June 2005, received June 16, 2005. This document was submitted as Attachment 11 to the document entitled "Citrus County Central Landfill, Ground Water Monitoring Plan Evaluation, DEP Permit No. 21375-003-SO," prepared by JEA, third revision dated June 2005, received June 16, 2005, and was associated with the renewal application for the operating permit.

The Department intends to use the GWIP as an exhibit for the anticipated consent order to be developed for the facility to address ground water and landfill gas issues. The activities and related schedule proposed in the GWIP are compared with the preferred approach to conducting the investigation of ground water conditions at Citrus Central Landfill, as follow:

Proposed Investigative Activity	Preferred Schedule for Implementation	Corresponding Item in the GWIP
1. Obtain written access agreement with local office of Division of Forestry to install new wells	5 days from C.O. execution.	Not included.
2. Obtain agreement with Division of Forestry/State Lands regarding lease expansion	60 days from C.O. execution.	1 year from C.O. execution.
3. Install and develop new downgradient monitor wells within 100 feet of the edge of waste disposal cells and conduct "initial sampling event"	90 days from C.O. execution.	6 months from C.O. execution.
4. Prepare summary report of well installation and initial sampling event with recommendations for routine sampling frequency and need to conduct further assessment activities		2 months from conducting the "initial sampling event" (~8 months from C.O. execution).
5. Implement assessment activities in accordance with Chapter 62-780, F.A.C., at the expanded property boundary	Within 60 days of discovery that new downgradient wells exceed ground water standards.	Within 60 days of discovery of an offsite discharge.
6. Implement assessment activities in accordance with Chapter 62-780, F.A.C., at the current property boundary	Within 60 days of denial of expanded lease agreement.	Not included.

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- LEASE EXPANSION APPROVED
 - NEW PROP LINE PROBES AND FITS
 - GAS VENT SYSTEM IS INSTALLED
 - MONTHLY GAS CHECKS MONITORING TO DEMONSTRATE COMPLIANCE (3 MONTHS MINIMUM) / SUMMARY REPORT & RECOMMENDATION
-

- EXISTING PROBES AT CURRENT PROPERTY BOUNDARY CANNOT BE ABANDONED UNTIL THE LEASE EXPANSION IS APPROVED OR REPLACEMENT PROBES ARE INSTALLED AT CURRENT PROPERTY BOUNDARY
-

Map Copy for CO file



0 200 400
SCALE IN FEET

EXCEEDANCES NOTED AT THESE WELLS:

- GS-1E
- GS-2E
- GS-2S
- GS-3S
- GS-5S
- GS-E3S
- GS-C3W
- GS-E3W
- GS-G3W
- GS-I3W

LEGEND

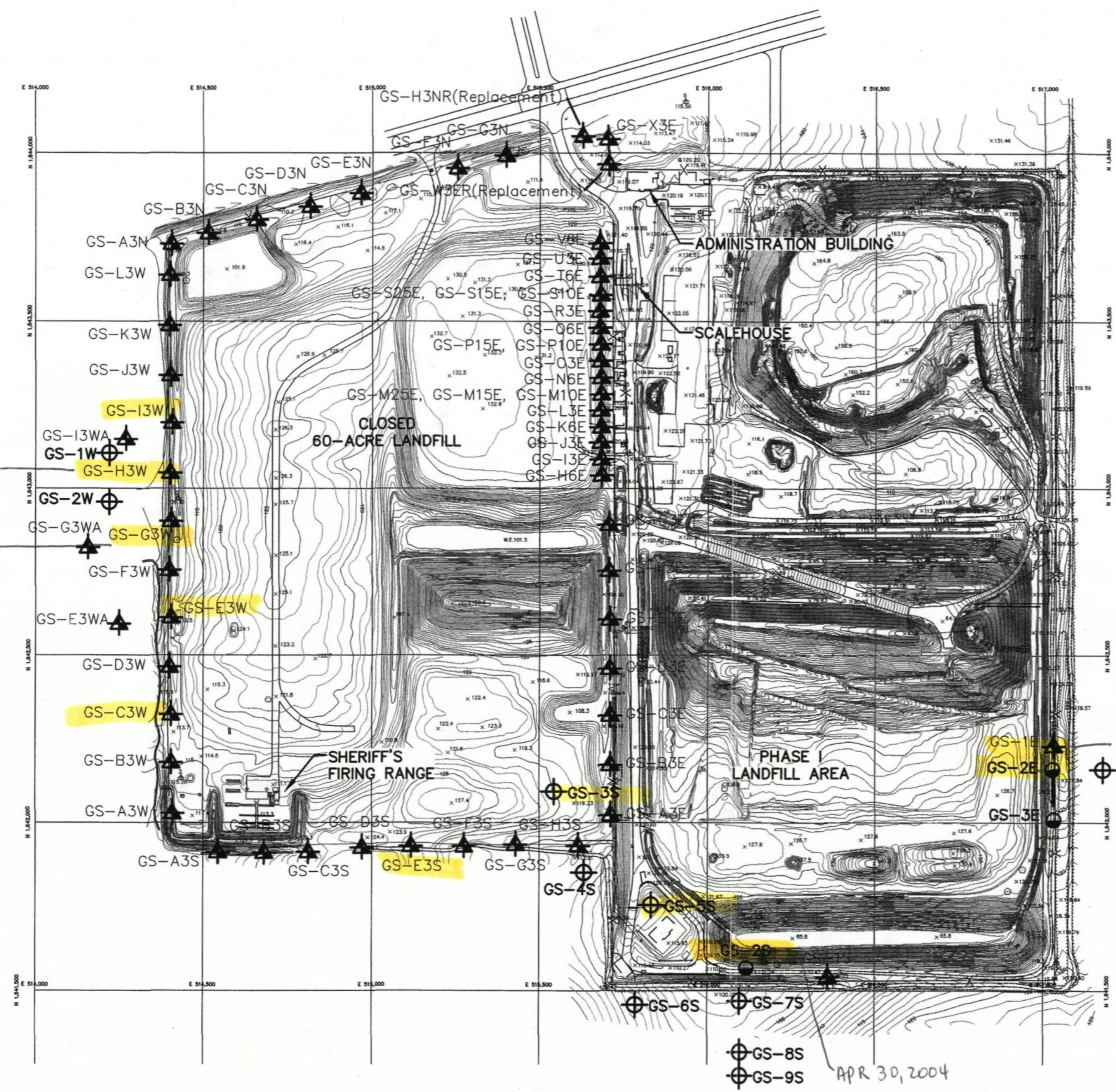
- GS-C3S ▲ EXISTING LFG MONITORING PROBE
- GS-2E ● TEMPORARY LFG MONITORING PROBE INSTALLED 10/7/03 TO 10/9/03.
- GS-1W ⊕ TEMPORARY LFG MONITORING PROBE INSTALLED THE WEEK OF JULY 12, 2004

Nov 24, 2003

Nov 24, 2003
Apr 30, 2004

Nov 24, 2003
GS-4E

Apr 30, 2004



G:\PROJECT\09199056.12\995612GasMon.dwg - Aug 06, 2004 - 8:47am Layout Name: GasMonPlan Br. 22261.e

Figure 1. Landfill Gas Investigation, July 2004, Landfill Gas Monitoring Probe Locations, Central Landfill, Citrus County, Florida

Analytical Results Summary for Landfill Gas Monitoring Samples Collected at Class I/III Landfills

Facility Name -- Citrus Central Landfill
County -- Citrus

Sampling Frequency -- Quarterly

	% LEL												Methane	
	%LEL		%LEL	during install	%LEL	%LEL	%LEL	%LEL	%LEL	%LEL	%LEL	%LEL		%LEL
	2/14/28/2004	3/24/2004	4/30/2004	7/12-17/04	9/20/2004	10/13/2004	11/4/2004	12/7/2004	12/7/2004	1/27/2005	1/27/2005	2/14/2005	4/22/2005	Date Received
	5/5/2004	4/15/2004	5/24/2004	8/12/2004	10/14/2004	10/25/2004	11/12/2004	12/17/2004	1/24/2005	2/2/2005	2/16/2005	4/4/2005	5/12/2005	Date Reviewed
Gas Monitoring	5/14/2004	11/24/2004	11/24/2004	11/24/2004	11/24/2004	11/24/2004	11/24/2004	12/22/2004				1/30/1900	30.02	Barometric Pressure
Point Id	30.39	30.36	29.8		30.03	29.77	29.95	30.06						
East of 60 acres:														Notes
GS-2E			16		52	114	120	5.8	J	102	102	74	92	temporary LFG probe
GS-3E			10		14	40	44	1.6	u		26	16	20	temporary LFG probe
GS-4E				4	0			0	s	N	0	NR	0	temporary LFG probe
GS-A3E	0				40	472	6	0	t	o	NR	0	2	
GS-B3E	0				0			0	r		NR	0	0	
GS-C3E	0				0			0	e		NR	0	0	
GS-D3E	0				0			0	s		NR	0	0	
GS-E3E	0				0			0	u		NR	0	0	
GS-F3E	0				0			0	b		NR	0	6	
GS-G3E	0				0			0	m		NR	0	0	
GS-H6E	0				2			5	i		NR	0	0	
GS-I3E	0				0			0	t		NR	0	0	
GS-J3E	0				0			14	t		NR	334	0	
GS-K6E	0				0			11.2	e		NR	4	0	
GS-L3E	0				0			0	d		NR	0	0	
GS-M10E	0				2			40	r		NR	2	10	
GS-M15E	0				770			25.9	e		NR	330	470	
GS-M25E	0				948			54.1	s		NR	394	1122	
GS-N6E	0				2			0.4	u		NR	0	0	
GS-O3E	0				0			0	s		NR	0	0	
GS-P10E	0				0			25.3	r		NR	38	0	
GS-P15E	0				0			0	o		NR	0	0	
GS-Q6E	0				0			28.3	m		NR	534	398	
GS-R3E	0				0			0	a		NR	0	0	
GS-S2E	0	24						NR	o		NR			temporary LFG probe
GS-S2E		2						NR	o		NR			temporary LFG probe
GS-S2E		2						NR	o		NR			temporary LFG probe
GS-S3E	0	0						NR	o		NR			temporary LFG probe
GS-S10E	0	0			2			0.5	o		NR	0	62	
GS-S15E	84				898			32.3	o		NR	414	400	
GS-S25E	0				1046			37.9	o		NR	488	558	
GS-T6E	0				6			23.7	o		NR	454	0	
GS-U3E	0				0			0	o		NR	0	0	
GS-V6E	0				0			0	o		NR	0	0	
GS-W3E	0				0			0	o		NR	0	0	
GS-W3ER									o		NR	0	0	
GS-X3E	0				0			0	o		NR	0	0	
North of 60 acres:														
GS-A3N	0	0	0		0			0	o		NR	0	0	
GS-B3N	0	0	0		0			0	o		NR	0	0	
GS-C3N	0	0	0		0			0	o		NR	0	0	
GS-D3N	0	0	0		0			0	o		NR	0	0	
GS-E3N	0	0	0		0			0	o		NR	0	0	
GS-F3N	0	0	0		0			0	o		NR	0	0	
GS-G3N	0	0	0		0			0	o		NR	0	0	
GS-H3NR	0	0	0		0			0	o		NR	0	0	
West of 60 acres:														
GS-1W					0			0	o		NR	0	0	temporary LFG probe
GS2W					0			0	o		NR	0	0	temporary LFG probe
GS-A3W	0	0	0		0			0	o		NR	0	0	
GS-B3W	0	0	0		0			0	o		NR	0	0	
GS-C3W	0	0	0		232	200	64	0	o		NR	0	0	
GS-D3W	0	0	0		0			0	o		NR	0	0	
GS-E3W	0	0	8		0	116	140	0	o		NR	4	18	
GS-E3WA	0	0	0		0			0	o		NR	0	0	
GS-F3W	0	0	0		4			0	o		NR	0	0	
GS-G3W	4	0				123		3.2	o		NR	6	0	
GS-G3W	2	0						3.2	o		NR			
GS-G3W	2	0	168		2			3.2	o		NR			
GS-G3WA	0	0	0		0			0	o		NR	0	0	
GS-H3W	0	0	56		0		12	0	o		NR	0	0	
GS-I3W	0	0	0		222	306		0	o		NR	0	26	
GS-I3WA	0	0	0		0			0	o		NR	0	0	
GS-J3W	0	0	0		0			0	o		NR	0	0	
GS-K3W	0	0	0		0			0	o		NR	0	0	
GS-L3W	0	0	0		0			0	o		NR	0	0	
South of 60 acres:														
GS-2S			136		damaged			NA	o		NS		damaged	temporary LFG probe
GS-3S				838@40ft.	0	672	450	36.8	o		494		480	temporary LFG probe
GS-4S					98	10	4	0.2	o		4		0	temporary LFG probe
GS-5S				274@36ft.	942	886	344	14.7	o		NR			temporary LFG probe
GS-5Sa									o		322		810	
GS-5Sb									o		924		578	
GS-6S				GS-6Sa 18%	32		2	0	o		0		0	temporary LFG probe
GS-7S				177 @72ft.	0			0	o		0		0	temporary LFG probe
GS-8S				36 @62ft.	0			0	o		0		0	temporary LFG probe
GS-9S					0			0	o		0		0	temporary LFG probe
GS-A3S	0	0	0		0			0	o		0	0	0	
GS-B3S	0	0	0		0			0	o		0	0	0	
GS-C3S	0	0	0		0			0	o		0	0	0	
GS-D3S	0	0	0		0			0	o		0	0	0	
GS-E3S	0	0	0		0	108		0	o		0	0	0	
GS-F3S	0	0	0		0	6		0	o		0	0	0	
GS-G3S	0	0	0		0			NR	o		0	0	0	
GS-H3S	0	0	0		0			NR	o		0	0	0	
GS-S2S	0	160						NR	o		NR			temporary LFG probe
GS-S2S		160						NR	o		NR			temporary LFG probe
GS-S2S		16						NR	o		NR			temporary LFG probe
GS-S2S		18						NR	o		NR			temporary LFG probe
80 Acre Points:														
GS-1E	0	48	90		0	194	182	7.9	o		0	0	218	
GS-1E		44						7.9	o				218	
GS-1E		48						7.9	o				218	
GS-1E		48						7.9	o				218	
GS-1E		48						7.9	o				218	
GS-1S	0	0	0		0			0	o		0	0	48	
at Leachate Plant:														
Ele. Rm.					0			0	o		NR		0	0
at Scalehouse:														
point One								0	o		NR		0	0
point Two								0	o		NR		0	0
point Three								0	o		NR		0	0
at Admin. Bldg:														
SHOP								0	o		NR		0	0
OFFICE								0	o		NR		0	0

NR=Not Received

Analytical Results Summary for Landfill Gas Monitoring Samples Collected at Class I/III Landfills

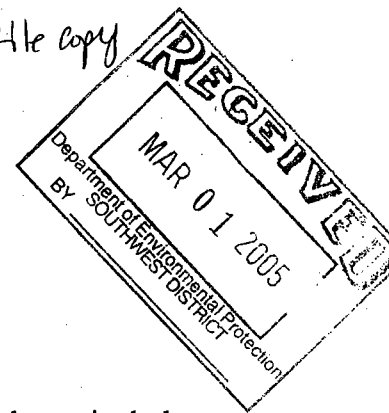
Facility Name -- Citrus Central Landfill
 County -- Citrus

Sampling Frequency -- Quarterly

Gas Monitoring Point Id	%LEL	%Methane	%LEL	%LEL	%LEL	%LEL	%LEL	%LEL	%LEL	Methane
	3/28/2002	6/13/2002	8/12/2002	12/22/2002	2/6/2003	4/22/2003	7/8/2003	11/24/2003	3/24/2004	Date Sampled
	4/5/2002	7/8/2002	9/3/2002	1/15/2003	2/28/2003	6/25/2003	7/31/2003	1/15/2004	4/15/2004	Date Received
	11/20/2003	7/17/2002	9/25/2002	2/3/2003	3/6/2003	7/10/2003	10/6/2003	2/2/2004	5/7/2004	Date Reviewed
	1020	1018	1020	1028	1025	29.92	30.09	30	30.36	Barometric Pressure
East of 60 acres:										Notes
GS-A3E	0	0	0	0	0	0	0	0	0	
GS-B3E	0	0	0	0	0	0	4	0	0	
GS-C3E	0	0	0	0	0	0	34	0	0	
GS-D3E	0	0	0	0	0	0	20	0	0	
GS-E3E	0	0	0	NS	0	0	0	0	NS	
GS-F3E	0	0	0	0	0	0	0	0	0	
GS-G3E	0	0	0	0	0	0	0	0	0	
GS-H6E	0	70	0	210	282	378	280	78	0	
GS-I3E	0	2	0	0	0	0	0	0	0	
GS-J3E	0	500	0	6	0	0	0	8	0	
GS-K6E	0	16	0	38	0	0	0	118	0	
GS-L3E	0	2	0	0	0	0	0	0	0	
GS-M10E	NR	NA	NA	0	0	0	0	2	0	no reading on 3/28/02 due to wasp nest
GS-M15E	0	500	800	450	792	124	550	326	0	
GS-M25E	0	2	260	0	858	1124	392	1032	0	
GS-N6E	0	900	2	2	0	0	2	776	0	
GS-O3E	0	2	0	2	0	0	0	0	0	
GS-P10E	0	10	0	0	0	10	0	604	0	
GS-P15E	0	0	0	2	0	0	0	0	0	
GS-Q6E	100	800	0	0	378	866	0	790	0	
GS-R3E	0	0	2	0	0	0	0	0	0	
GS-S10E	0	0	140	0	0	280	0	236	0	
GS-S15E	0	0	800	260	454	962	612	522	80	
GS-S25E	0	600	800	600	684	544	828	508	0	
GS-T6E	70	800	260	48	50	682	2	504	0	
GS-U3E	0	0	0	0	0	0	0	0	0	
GS-V6E	0	0	0	0	0	0	0	0	0	
GS-W3E	0	0	0	0	0	0	0	0	0	
GS-X3E	0	0	2	0	0	0	0	NS	0	
North of 60 acres:										
GS-A3N	0	0	0	0	0	0	0	0	0	
GS-B3N	0	0	0	0	0	0	0	0	0	
GS-C3N	0	0	2	2	0	0	0	0	0	
GS-D3N	0	0	0	0	0	0	0	0	0	
GS-E3N	0	0	0	0	0	0	0	0	0	
GS-F3N	0	0	2	0	0	0	0	0	0	
GS-G3N	0	0	2	2	0	0	0	0	0	
GS-H3NR	0	0	0	0	0	0	0	0	0	
West of 60 acres:										
GS-A3W	0	0	0	0	0	0	0	0	0	
GS-B3W	0	0	0	0	0	0	0	0	0	
GS-C3W	0	0	2	0	0	0	0	0	0	
GS-D3W	0	2	0	0	0	0	0	0	0	
GS-E3W	0	0	34	14	0	6	0	10	0	
GS-E3WA	0	0	0	2	0	0	0	0	0	
GS-F3W	0	0	0	0	0	0	2	0	0	
GS-G3W	0	6	2	0	40	64	0	134	0	Resampled 4/22/03 @ 16%
GS-G3WA	0	0	4	0	0	0	0	NS	0	
GS-H3W	0	6	0	0	0	6	0	176	0	
GS-I3W	0	0	54	0	0	0	64	0	0	
GS-I3WA	0	0	0	0	0	0	0	0	0	
GS-J3W	0	0	2	0	0	0	0	0	0	
GS-K3W	0	2	0	0	0	0	0	0	0	
GS-L3W	0	0	2	0	0	0	0	0	0	
South of 60 acres:										
GS-A3S	0	0	0	0	0	0	0	0	0	
GS-B3S	0	0	0	2	0	0	0	0	0	
GS-C3S	0	0	0	0	0	0	0	0	0	
GS-D3S	0	0	0	0	0	0	0	0	0	
GS-E3S	0	0	2	0	0	0	0	0	0	
GS-F3S	0	0	2	0	0	0	0	0	0	
GS-G3S	0	0	0	0	0	0	0	0	0	
GS-H3S	0	0	0	0	0	0	0	0	0	
80 Acre Points:										
GS-1E	0	0	0	0	0	0	64	104	52	
GS-1S	0	16	0	0	0	0	22	18	0	
at Leachate Plant:										7/15/02 event received 9/3/02
Ele. Rm.	NR	0	0	0	0	0	0	0	0	
at Scalehouse:										7/15/02 event received 9/3/02
point One	0	0	0	0	0	0	0	0	0	
point Two	0	0	0	0	0	0	0	0	0	
point Three	0	0	0	0	0	0	0	0	0	
at Admin. Bldg:										7/15/02 event received 9/3/02
point One	0	0	0	0	0	0	0	0	0	
point Two	0	0	0	0	0	0	0	0	0	

NR=Not Received

CO file copy
FROM CITRUS CENTRAL RENEWAL
SECTION 9



LANDFILL GAS MONITORING (RULE 62-701.500(9), F.A.C.)

The landfill gas (LFG) monitoring plan is being updated as part of this operation plan to include a new network of monitoring probes and more comprehensive monitoring of on-site structures. This LFG monitoring program for the Central Landfill has been prepared in accordance with Rule 62-701.530, F.A.C. As described below, the plan includes monitoring for subsurface LFG migration at the facility property boundary adjacent to the active landfill (Phases 1/1A and 2) and the closed 60-acre landfill, and in on-site structures. The LFG monitoring program is designed to confirm compliance with the requirements of Rule 62-701.530(1)(a)1, F.A.C., which requires the following:

- The methane concentration in on- or off-site structures may not exceed 25 percent of the lower explosive limit (LEL). The LEL for methane is five percent by volume in air. Therefore, the maximum allowable concentration in on- or off-site structures is 1.25 percent methane by volume.
- The methane concentration at or beyond the landfill property boundary may not exceed the LEL (i.e., five percent methane by volume).

As explained below, the monitoring plan was prepared based on site-specific conditions.

9.1 BACKGROUND INFORMATION

The existing gas monitoring probe network consists of a number of probes, many of which are located within the interior of the property or are as shallow as three feet deep. These probes are no longer considered appropriate for use in meeting compliance with the requirement to monitor for gas concentration at the property boundary.

9.1.1 Landfill Areas

The landfill areas on site include the closed 60-acre landfill and the active Phase 1/1A and Phase 2 landfill cells. The closed 60-acre landfill is an unlined landfill that has been capped with a geosynthetic membrane and protective soil cover. The depth of waste in the closed 60-acre landfill is approximately 40 feet below ground surface. The Phase 1/1A and Phase 2 landfill areas have a geomembrane bottom liner system, and the bottom depth of refuse is approximately 80 feet below ground surface. Groundwater is present approximately 110 feet below ground surface, and the soil at the site is primarily silty and clayey sand.

9.1.2 Historical Landfill Gas Monitoring Results

In the past, quarterly monitoring has shown the presence of subsurface methane to the east of Phase 1/1A and in various shallow monitoring probes along the west and south of the closed 60-acre landfill. In response to these detections, Citrus County conducted a LFG migration investigation to identify the areas in which methane was present at or near the property boundary. This investigation consisted of installing a series of temporary monitoring probes along the west, south, and east property boundaries. Subsurface gas concentrations were monitored at various depths during, and again after completion of, the probe installation. Monthly and quarterly monitoring of the probes was also conducted in order to build a database of readings, and determine if the detections were anomalous, or indicative of persistent gas migration. Results of those investigations have been submitted to FDEP under separate cover, and are also on file with Citrus County.

9.1.3 Landfill Gas Remediation Plan and Monitoring Results

In response to methane readings that exceeded the regulatory limit of five percent methane at the property line in the fourth quarter of 2003, Citrus County submitted a LFG remediation plan to FDEP on December 1, 2003. During the 2003 fourth quarter event, methane was detected at the following probes and concentrations at the property boundary:

- GS-G3W (6.7 percent methane by volume)
- GS-H3W (8.8 percent)
- GS-1E (5.2 percent)

Probes GS-G3W and GS-H3W are located along the western property boundary, and GS-1E is located on the east side of the site. Because historically these probes had not contained such high methane concentrations, and because there was no immediate safety risk due to the methane, SCS recommended an LFG migration investigation along the property line before implementing any remedial actions. The purpose of the proposed investigation was to attempt to define the limits of the subsurface methane, and better determine from which areas of the landfill property the LFG was originating.

9.1.3.1 Initial Three-Month Investigation--

As a result, Citrus County implemented monthly monitoring of the permanent and temporary LFG monitoring probes adjacent to Phase 1, and all of the probes along the west and south property boundaries. This investigative monitoring was conducted for three months. On April 14, 2004, SCS issued a follow-up report summarizing the results of the three-month long LFG migration investigation, which was forwarded to FDEP on May 3, 2004 by Citrus County. During that three-month period, methane was either absent, or detected in concentrations less than 1 percent at the property boundary during the first two events. However, during the third event on March 24, 2004, methane was detected near the eastern and southern property boundary near the Phase 1 landfill area in GS-1E (2.2 to 2.6 percent by volume), GS-2E (1.2 percent), and GS-2S (8.0 percent). In addition, on April 30, 2004, during the second quarterly monitoring event, methane was detected above the regulatory limit in GS-G3W (8.4 percent) and GS-2S (6.8

percent). These probes are located along the west and south property boundaries, respectively. Methane was detected below the regulatory limit in April 2004 at GS-H3W, GS-E3W, GS-1E, GS-2E, and GS-3E.

9.1.3.2 Supplemental Six-Month Investigation--

As outlined in the May 3, 2004 letter from Citrus County to FDEP, the County proposed an additional investigation to better determine the extent of the gas migration, particularly along the south and west property boundaries. Additional data near the southern boundary would assist in identifying whether the source of the methane on the south side of the site was related to:

- The unlined landfill cells from the closed site,
- Septage ponds that were located in the southeast portion of the closed landfill or in the southwest corner of the active landfill property until about 1990, or
- The lined active landfill.

To accomplish this additional investigation, SCS installed nine additional temporary/interim LFG monitoring probes as described below:

- West Property Boundary – Probes GS-1W and GS-2W were installed to the west of existing probes GS-G3W, GS-H3W, and GS-I3W.
- South Property Boundary – Probe GS-4S was installed near the southeast corner of the closed 60-acre landfill, and probes GS-6S, GS-7S, GS-8S, and GS-9S were installed south of the southwest corner of the Phase 1 landfill.
- East Property Boundary – Probe GS-4E was installed east of existing probes GS-1E and GS-2E.
- Interior of Property – Probes GS-3S and GS-5S were installed in areas where septage ponds were previously located, in order to gauge the methane concentration in those parts of the site.

Along the west, south, and east, the new probes were installed approximately 50 to 200 feet outside the current property boundary.

Monthly monitoring of these probes and the existing probes along the west, south, and east property boundaries was conducted from September 2004 through February 2005. The data collected during those six rounds of monitoring show that methane is not present in the new probes installed outside the existing property boundary. In addition, in February 2005, methane concentrations did not exceed the regulatory limit in any of the existing or interim probes around the west, south, or east property boundaries.

9.1.4 Proposed Landfill Gas Migration Remediation Plan

The proposed remedial action for the exceedance of the regulatory limit for methane is to install additional monitoring points outside the current compliance boundary to determine the extent of additional property control to acquire. Once the new monitoring points are assessed, the County will formerly expand the compliance boundary for gas monitoring beyond the current property boundary. The land surrounding the site, as well as the land on which sits the closed 60-acre landfill, is owned by the State of Florida Division of Forestry. Citrus County has a long-term lease for the 60-acre closed landfill parcel. Because this is state-owned land, purchase of the land for the purpose of expanding the facility boundary is not a viable option. Therefore, Citrus County has coordinated with local Division of Forestry officials who manage the land, and is in the process of negotiating with the Division of Forestry in Tallahassee to obtain an expanded easement or lease agreement. The County expects that this will result in a type of lease agreement that allows the County to move the compliance boundary and the gas monitoring probes farther onto the surrounding land, while maintaining access for Division of Forestry employees.

9.2 PROPOSED COMPLIANCE BOUNDARY

Citrus County proposes to establish a compliance boundary beyond the limits of the existing facility boundary. Attachment 9-1 shows the approximate locations of the proposed new LFG monitoring probes. Upon satisfactory assessment of the new probe locations a new compliance boundary that is offset from the existing property line on the west, south, and east will be established. No extension of the compliance boundary to the north of the site is necessary. The proposed LFG monitoring probes will be maintained within this new boundary.

9.3 PROPOSED LANDFILL GAS MONITORING PROBES

The proposed gas monitoring probe network includes 18 permanent probes spaced approximately 500 feet apart along the north, west and south sides of the closed 60-acre landfill, and the south and east sides of the active landfill. New probes will initially be installed approximately 200 ft. outside the existing fence line, which would be within the expanded compliance boundary.

9.3.1 Monitoring Probe Construction

In accordance with the provisions of Rule 62-701.530(2)(b), F.A.C., the proposed monitoring probes are designed to extend to depths equal to the base of the landfilled waste. The 11 probes surrounding the closed 60-acre landfill (i.e., GP-1 through GP-11) will be approximately 40 feet deep, which is equal to the maximum estimated depth of the closed landfill. Probes GP-12 through GP-18 will be installed to depths of approximately 80 feet, which is consistent with the depth of waste in Phases 1/1A and 2. Attachment 9-2 provides a detail of the proposed probe construction.

Each probe will be installed with a direct push-type rig to create a borehole approximately two inches in diameter. A retractable tip will be used on the pilot probe so that subsurface gas

concentrations can be measured at 10-foot intervals during the borings. Gas concentrations will be measured using handheld field monitoring equipment. The data collected during installation will be included in the daily logs and maintained on file with Citrus County. As shown on Attachment 9-2, probes will be constructed of 1-inch diameter schedule 40 PVC pipe. The perforated section of the probe will begin five feet below ground surface and extend to the bottom of the borehole. From five feet below ground surface to the top of the probe will be solid-wall pipe. A bentonite plug will be installed two feet below ground surface to help seal the borehole. A threaded cap with a labcock or quick-connect monitoring port will be installed at the top of each probe, and protective casings will be installed around the above-grade portion of the probes.

A well schedule for the proposed probes is provided below in Table 9-1.

**TABLE 9-1. PROPOSED WELL SCHEDULE
LANDFILL GAS MONITORING PROBES, CENTRAL LANDFILL**

Probe ID No.	Probe Depth (ft)	Length of Slotted Pipe (ft)	Solid Pipe Length Below Grade (ft)	Solid Pipe Length Above Grade (ft)
GP-1	40	35	5	3
GP-2	40	35	5	3
GP-3	40	35	5	3
GP-4	40	35	5	3
GP-5	40	35	5	3
GP-6	40	35	5	3
GP-7	40	35	5	3
GP-8	40	35	5	3
GP-9	40	35	5	3
GP-10	40	35	5	3
GP-11	40	35	5	3
GP-12	80	75	5	3
GP-13	80	75	5	3
GP-14	80	75	5	3
GP-15	80	75	5	3
GP-16	80	75	5	3
GP-17	80	75	5	3
GP-18	80	75	5	3

9.3.2 Incorporation of Interim Probes

Three existing probes that were installed during the LFG migration investigation will remain in service and be incorporated into the new gas monitoring network. Each of these probes were installed consistent with the design criteria listed above, except for the installation of bentonite plugs and protective casings, which will be installed concurrent with the installation of the new

probes. Existing interim probe GS-2W will be renamed GP-6, GS-8S will be renamed GP-13, and GS-4E will be renamed GP-17.

9.3.3 Abandonment of Existing Monitoring Probes

All existing monitoring probes, except for the interim probes that will be converted to permanent probes, will be abandoned in place.

9.3.4 Future Monitoring Probes

Attachment 9-1 includes the locations of five future monitoring probes along the north east property line near the existing soil stockpile area. Because waste is not disposed of in this area, there is no need to install probes in this portion of the site. However, if the landfill is expanded to the north of Phase 2, Citrus County will install these probes to monitor for potential LFG migration adjacent to future landfill areas.

9.4 MONITORING OF ON-SITE STRUCTURES

In order to ensure the safety of workers inside and around permanent structures on site, ambient air will be monitored on a quarterly basis in on-site structures in accordance with the requirements of Rule 62-701.530(2)(a), F.A.C. As stated above, and in Rule 62-701.530(1)(a), F.A.C., the methane concentration in on- or off-site structures may not exceed 25 percent of the LEL, or 1.25 percent methane by volume. The following gas monitoring will be performed in structures at the facility.

- Explosive gas alarms located in the scale house building and leachate treatment plant electrical room will provide continuous monitoring for unacceptable concentrations of explosive gas. These monitors are designed to sound an alarm when methane concentrations exceed 25 percent of the LEL. The signal remains on as long as gas is present, and a red alarm light stays on after an alarm condition in order to alert personnel that methane was detected during their absence. Log sheets will be kept at each location to record when the alarm has been triggered, and each alarm will be calibrated or replaced on a regular basis according to the schedule recommended by the manufacturer.
- On a quarterly basis the following structures will be monitored:
 - Administration building
 - Scale house
 - Leachate treatment plant
 - Gun ranges

Monitoring will consist of using handheld instruments to monitor for combustible gases at all slab penetrations, floor drains, cracks in the slabs, along baseboards, in electrical boxes and outlets, and in enclosed spaces such as closets and ground-level cabinets.

9.5 GAS MONITORING PROCEDURES

The monitoring procedures for the probes and on-site structures are outlined below.

9.5.1 Monitoring Procedures for Probes

Each probe will be monitored on a quarterly basis for static pressure and methane concentration, or combustible gases using an instrument calibrated to methane. Methane will be measured and recorded in terms of a percent by volume in air or as a percentage of the LEL. The monitoring equipment will be calibrated each day prior to the monitoring.

The general procedure for monitoring at each probe will be as follows:

1. Record meteorological conditions including ambient temperature and barometric pressure.
2. Calibrate the methane monitoring equipment.
3. Purge any calibration gas or gas from previous probes from the methane monitoring instrument.
4. Zero the pressure gauge.
5. Prior to monitoring, note any damage to the probe, and repair if necessary. Failure to repair damage to the above ground casing, cap, or monitoring probe can affect the validity of the monitoring results.
6. Attach the sampling hose to the pressure meter and the labcock valve on the monitoring probe.
7. Record the time of monitoring for the probe.
8. Open the labcock valve.
9. Measure and record the pressure in the probe.
10. Close the labcock valve.
11. Connect the methane monitoring instrument to the sampling hose.
12. Open the labcock valve.
13. Turn on the meter and observe the gas concentration readings, noting any spikes in concentration.
14. After the gas concentration readings stabilize, record the steady-state reading, making note of any spike that occurred prior to reaching a steady-state reading. Note that per Rule 62-701.530(2)(b), F.A.C., purging of the probe is not allowed.
15. Remove the instrument and hose, and close the labcock valve.
16. Repeat steps 3 through 15 for each probe.

Any problems encountered during monitoring, observations, or other pertinent information that could impact the interpretation of the data shall be recorded.

9.5.2 Monitoring Procedures for On-Site Structures

The following on-site structures will be monitored for methane or combustible gas on a quarterly basis using handheld field instruments in accordance with Rule 62-701.530(2)(a), F.A.C.:

- Administration building
- Scale house
- Leachate treatment plant
- Gun ranges

Methane will be monitored and recorded in terms of the percent by volume in air or as a percentage of the LEL, and the monitoring equipment will be calibrated each day prior to the monitoring.

The general locations for monitoring at each structure will be as described below.

9.5.2.1 Administration Building--

A handheld meter will be used to monitor for methane at each of the following locations:

- Along the baseboards in each of the rooms, closets, and hallways
- In all ground-level cabinets
- At the floor drains in the bathrooms
- At all electrical outlets in each room and hallway
- At electrical panels inside and outside the building
- At outdoor electrical outlets

9.5.2.2 Scale House--

A handheld meter will be used to monitor for methane in the scale house at each of the following locations:

- Along the baseboards
- At any cracks in the concrete slab or flooring
- In all ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

9.5.2.3 Leachate Treatment Plant--

Methane concentration will be checked at the following locations at the leachate treatment plant:

- At any cracks in the concrete slab or flooring

- In any ground-level cabinets
- At all electrical outlets inside and outside of the building
- At electrical panels inside and outside the building

9.5.2.4 Gun Ranges--

There are two gun ranges on site that are operated by the Withlacoochee Technical Institute on the closed 60-acre landfill. At both gun ranges, the following locations will be monitored for methane.

- At cracks in the concrete slabs
- At all electrical outlets and switches
- At all slab penetrations, such as support posts for the roofs of the firing platforms

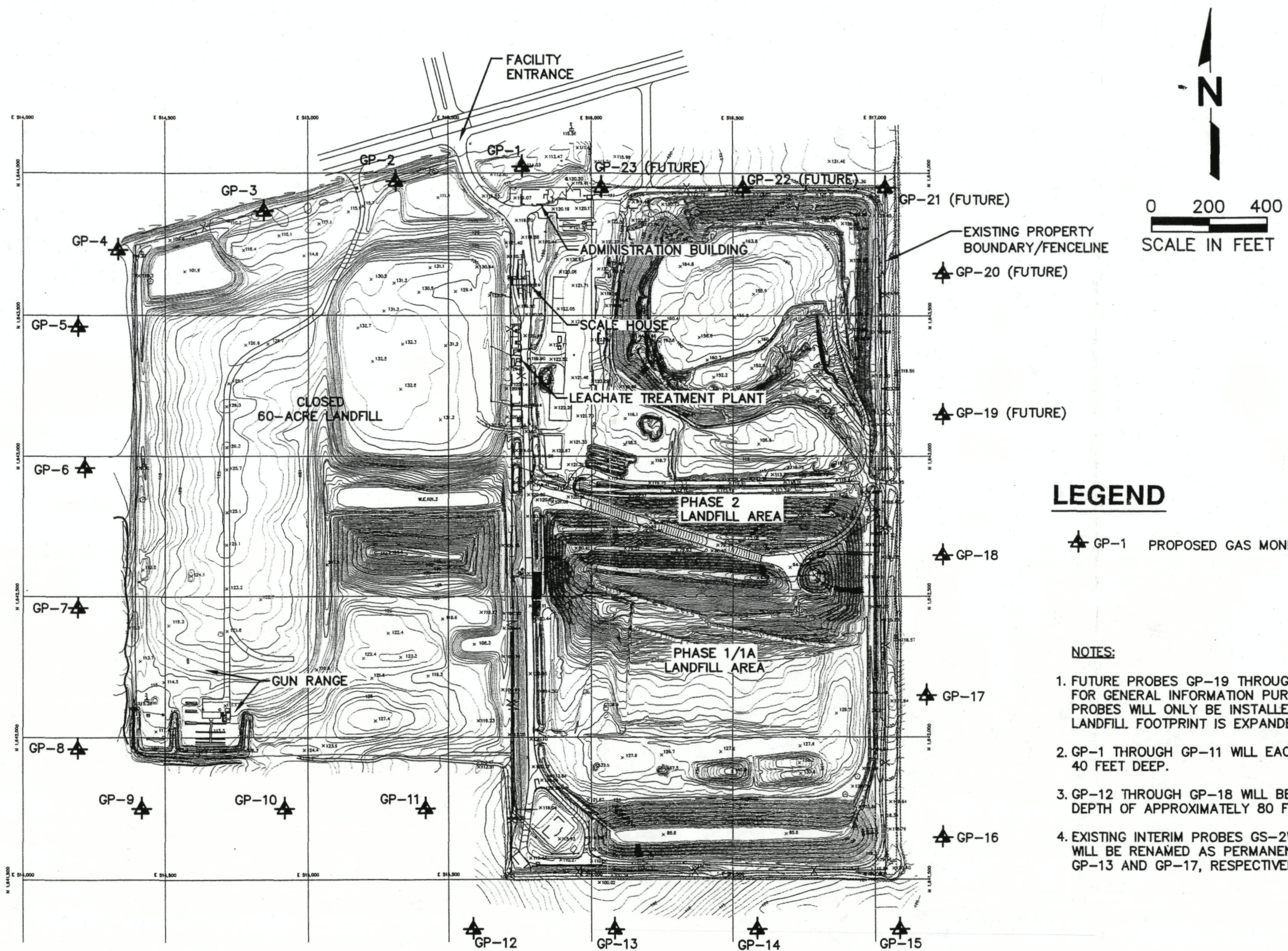
9.6 REPORTING

Results of the monitoring will be reported to FDEP quarterly. A copy of the proposed monitoring form is included as Attachment 9-3 to this plan.

If the results of the monitoring show that combustible gas concentrations exceed the limits specified in Rule 620710.530(1)(a), F.A.C., Citrus County will take the following actions:

- Immediately take all necessary steps to ensure protection of human health and notify FDEP of the exceedances.
- Within seven days of the detections, submit to FDEP for approval a gas remediation plan. The gas remediation plan must describe the nature and extent of the problem and the proposed remedy. The remedy must be completed within 60 days of detection unless otherwise approved by FDEP.

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LEGEND

▲ GP-1 PROPOSED GAS MONITORING PROBE

NOTES:

1. FUTURE PROBES GP-19 THROUGH GP-23 ARE SHOWN FOR GENERAL INFORMATION PURPOSES ONLY. THESE PROBES WILL ONLY BE INSTALLED IF AND WHEN THE LANDFILL FOOTPRINT IS EXPANDED NORTHWARD.
2. GP-1 THROUGH GP-11 WILL EACH BE APPROXIMATELY 40 FEET DEEP.
3. GP-12 THROUGH GP-18 WILL BE INSTALLED TO A DEPTH OF APPROXIMATELY 80 FEET.
4. EXISTING INTERIM PROBES GS-2W, GS-8S AND GS-4E WILL BE RENAMED AS PERMANENT PROBES GP-6, GP-13 AND GP-17, RESPECTIVELY.

SCS ENGINEERS

Attachment 9-1. Proposed Landfill Gas Monitoring Probe Locations, Central Landfill, Citrus County, Florida.

G:\PROJECT\09199056.13\995613LFGProbe.dwg Feb 14, 2005 - 4:21pm Layout Name: Monitoring Probe Plan By: 1012blj

PAINT PROBE ID NO. ON
OUTSIDE OF CASING WITH
BLACK PAINT AND 2"
STENCIL LETTERS

6"X6" PROTECTIVE ALUMINUM
WELL CASING WITH LOCKABLE
COVER, PAINTED "SAFETY
YELLOW"

EXIST. GROUND
SURFACE

3'-0"

GP-1

6" CONC.

6" BENTONITE PLUG

CLEAN SOIL
BACKFILL

3'-6"

1/4" SCH. 80
PVC LABCOCK
VALVE
THREADED INTO
CAP

1" SCH. 40
PVC
THREADED
FEMALE CAP

1" SCH. 40
PVC FITTING
(SOC X MPT)

1"Ø SCH. 40
SOLID-WALL
PVC PIPE

SCREEN INTERVAL
(VARIES FROM 35-75')

1"Ø SCH. 40 0.01" SLOTTED
SCREEN OR PERFORATED PIPE
WITH 1/4" HOLES SPACED 2
PER ROW, 6" O.C.

BOTTOM OF
BOREHOLE EQUAL TO
BOTTOM OF REFUSE
IN LANDFILL AREA
CLOSEST TO PROBE

2"Ø PILOT
HOLE

SCS ENGINEERS

Attachment 9-2. Proposed LFG Monitoring Probe Detail, Central Landfill, Citrus County.

Table A - Summary of Selected Analytical Results of Ground Water Samples Collected at Citrus Central Landfill, Citrus County

Parameter/ Sampling Event	SOP Criteria	Monitor Well Identification Number										
		MW-1(R) B/F	MW-2 B/F	MW-3 B/F	MW-7 B/F	MW-8R D/F	MW-9 D/F	MW-AA D/F	MW-B D/F	MW-C D/F	MW-D D/F	MW-E C/F
pH (S.U.)	6.5	5.4	5.24	5.36	6.83	5.05	6.62	6.53	5.2	7.48	6.86	6.5
Jul-99	6.5	5.99	5.58	5.53	7.04	5.35	6.96	6.35	5.54	7.7	7.29	6.9
Aug-00	6.5	6.3	5.6	4.7	7.1	7.1	7	6.4	5.7	8.87	7.9	6.9
Mar-01	6.5	5.73	5.54	5.46	6.73	5.35	6.76	6.21	4.86	7.67	6.89	6.66
Sep-01	6.5	5.82	5.6	5.57	6.48	4.8	6.49	6.2	4.41	7.91	6.9	6.7
Jan-02	6.5	5.58	6.11	5.28	6.42	5.18	6.69	6.29	4.67	7.8	6.98	6.62
Aug-02	6.5	5.19	5.11	5.19	5.85	4.7	6.35	6.03	4.04	7.35	6.56	6.33
Jan-03	6.5	5.73	5.04	5.55	6.29	5.21	6.75	6.42	4.71	7.84	6.91	6.77
Aug-03	6.5	5.57	5.02	5.1	5.99	5.03	6.69	6.34	4.4	7.91	6.86	6.67
Feb-04	6.5	5.48	4.73	4.66	5.85	4.96	6.64	6.3	4.42	7.76	6.91	6.66
Jul-04	6.5	5.47	4.76	4.96	5.81	4.99	6.71	6.34	4.27	7.78	6.8	6.69
Jan-05	6.5											

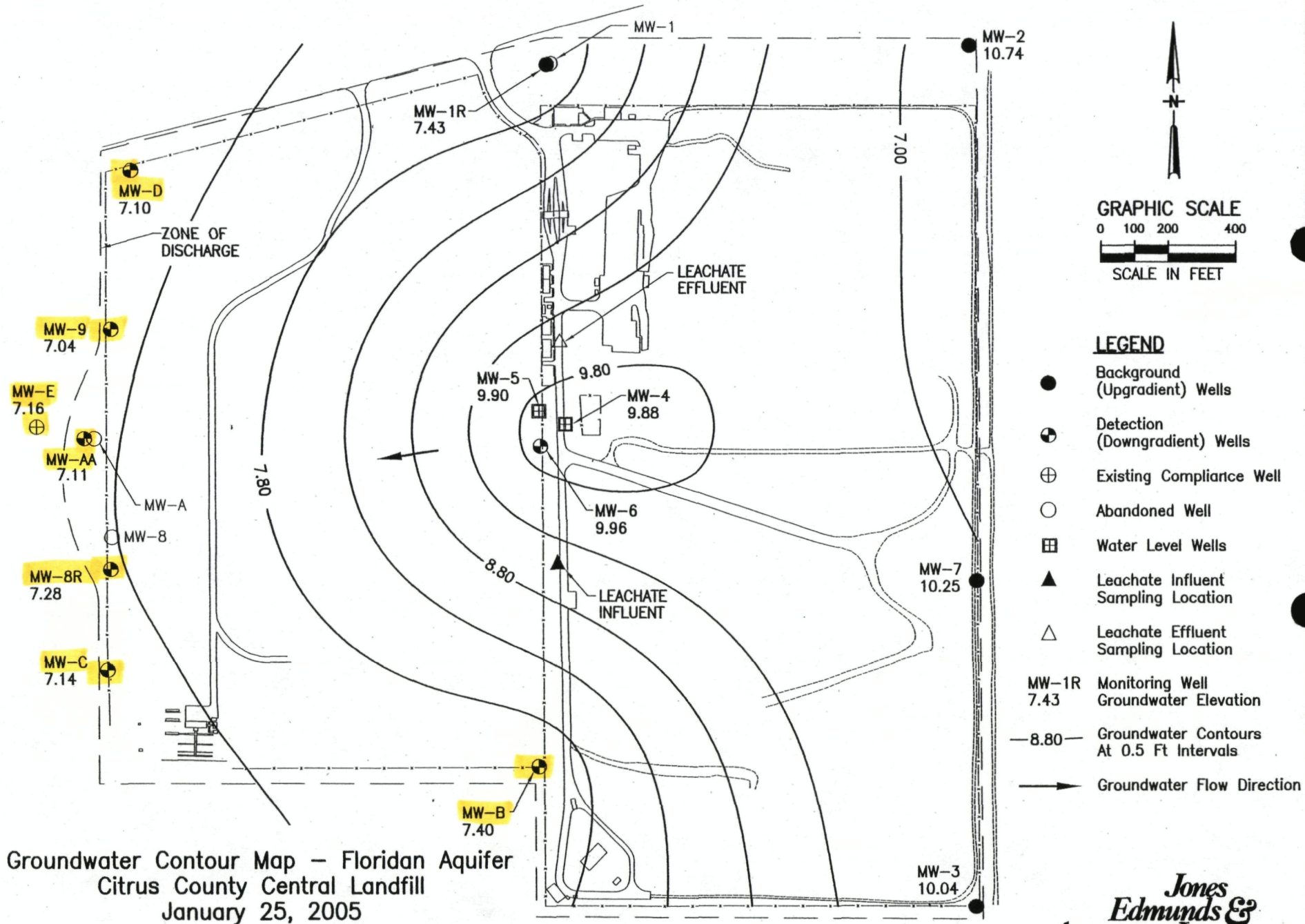
Parameter/ Sampling Event	GW Standard	Monitor Well Identification Number										
		MW-1(R) B/F	MW-2 B/F	MW-3 B/F	MW-7 B/F	MW-8R D/F	MW-9 D/F	MW-AA D/F	MW-B D/F	MW-C D/F	MW-D D/F	MW-E C/F
Lead (mg/L)	0.015	0.0025	0.0031	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Jul-99	0.015	0.006	0.0025	0.0086	0.0066	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0099
Aug-00	0.015	0.0053	0.0025	0.019	0.0069	0.0069	0.024	0.019	0.0025	0.0086	0.013	0.02
Mar-01	0.015	0.081	0.0052	0.015	0.011	0.032	5.8	0.0025	0.0025	0.0025	0.0025	0.0025
Sep-01	0.015	0.012	0.0025	0.041	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Jan-02	0.015	0.0025	0.0025	0.02	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
Aug-02	0.015	0.0025	0.006	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0058	0.0111
Jan-03	0.015	0.005	0.005	0.018	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Aug-03	0.015	0.005	0.005	0.017	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Feb-04	0.015	0.005	0.005	0.016	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Jul-04	0.015	0.005	0.005	0.012	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Jan-05	0.015											

Parameter/ Sampling Event	GW Standard	Monitor Well Identification Number										
		MW-1(R) B/F	MW-2 B/F	MW-3 B/F	MW-7 B/F	MW-8R D/F	MW-9 D/F	MW-AA D/F	MW-B D/F	MW-C D/F	MW-D D/F	MW-E C/F
Iron (mg/L)	0.3											
Jul-99	0.3	2.9	0.154	0.0903	0.286	2.29	10.9	6.16	1.58	0.29	1.32	11
Aug-00	0.3	2	0.05	0.19	0.81	0.81	11	9.3	1.3	0.05	0.05	12
Mar-01	0.3	3.1	0.13	0.013	1.1	3.7	7.6	7.5	0.05	0.05	1	4.7
Sep-01	0.3	0.22	0.05	0.05	0.05	2.4	9.1	8.4	0.05	0.05	2.5	1.2
Jan-02	0.3	0.57	0.34	0.21	0.05	2.7	0.05	4.5	0.05	0.05	0.05	0.32
Aug-02	0.3	0.325	0.15	0.694	0.15	2.77	8.97	9.4	0.15	4.9	0.417	10.5
Jan-03	0.3	0.05	0.05	0.05	0.1	3.4	10	1.7	0.05	0.05	7.2	11
Aug-03	0.3	0.05	0.05	0.05	0.05	3.1	9.8	6.4	0.05	0.15	6.5	9.1
Feb-04	0.3	0.025	0.06	0.025	0.025	3.6	8.5	7.4	0.025	0.2	4.2	7.9
Jul-04	0.3	0.025	0.054	0.025	0.025	4.9	9.5	7.1	0.025	0.11	6.3	9.8
Jan-05	0.3											

Parameter/ Sampling Event	GW Standard	Monitor Well Identification Number										
		MW-1(R) B/F	MW-2 B/F	MW-3 B/F	MW-7 B/F	MW-8R D/F	MW-9 D/F	MW-AA D/F	MW-B D/F	MW-C D/F	MW-D D/F	MW-E C/F
Benzene (µg/L)	1	0.5	0.5	0.5	3	8.4	0.5	0.5	0.5	0.5	0.5	0.5
Jul-99	1	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	0.5	0.5
Aug-00	1	0.5	0.5	0.5	0.5	3.4	0.5	0.5	0.5	0.5	0.5	0.5
Mar-01	1	0.5	0.5	0.5	0.5	3.8	2.5	1.2	2.5	0.5	0.5	0.5
Sep-01	1	0.5	0.5	0.5	0.5	4.3	0.5	1.4	0.5	0.5	0.5	0.5
Jan-02	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Aug-02	1	0.5	0.5	0.5	0.5	5.5	0.83	1.5	0.89	0.5	0.5	0.5
Jan-03	1	0.5	0.5	0.5	0.5	4.4	0.5	0.5	0.5	0.5	0.5	0.5
Aug-03	1	0.5	0.5	0.5	0.5	4.4	0.5	0.5	0.5	0.5	0.5	0.5
Feb-04	1	0.5	0.5	0.5	0.5	6.6	0.5	0.5	0.5	0.5	0.5	0.5
Jul-04	1	0.5	0.5	0.5	0.5	3	0.5	0.5	0.5	0.5	0.5	0.5
Jan-05	1	0.5	0.5	0.5	0.5							

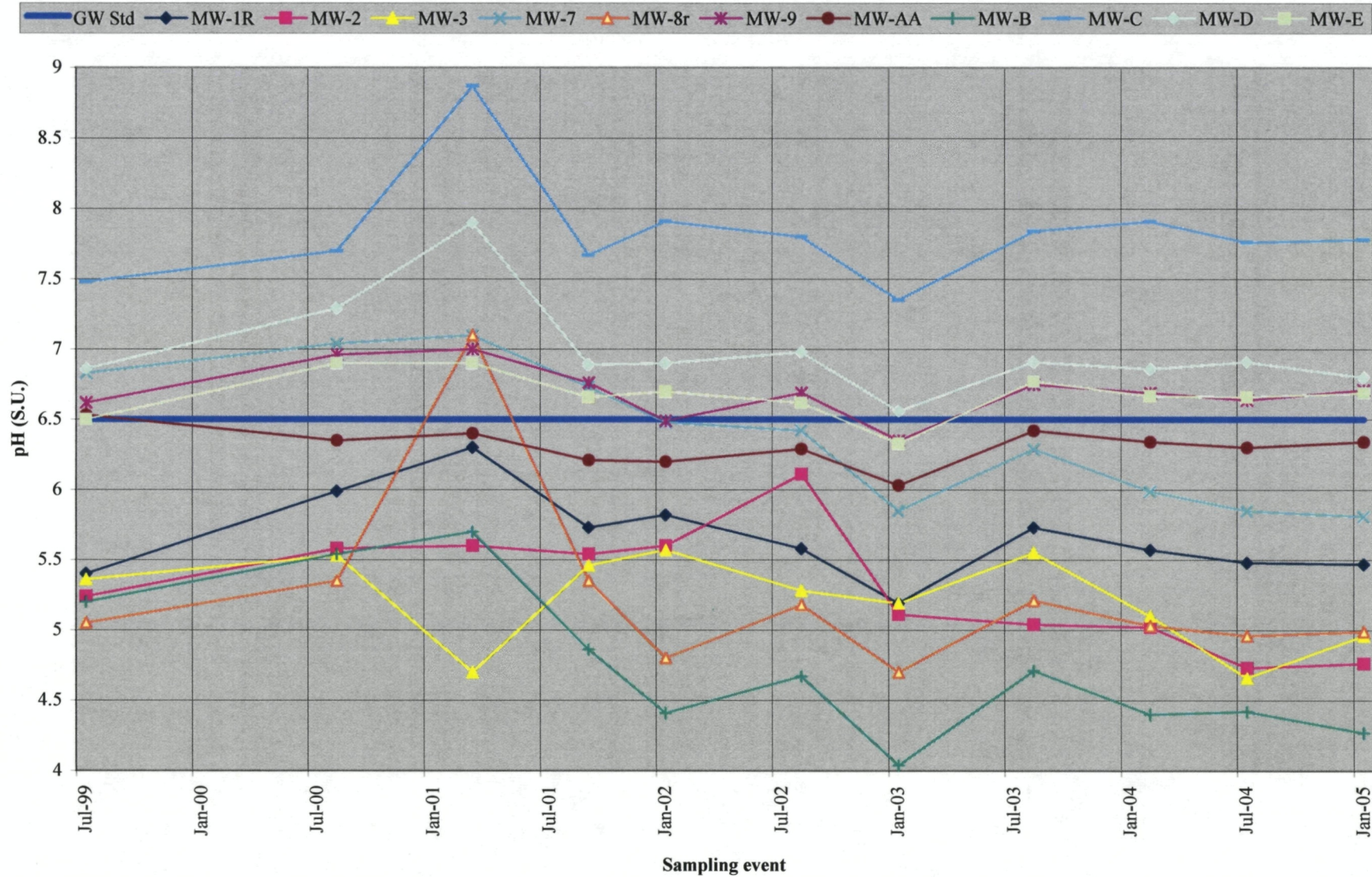
Parameter/ Sampling Event	Minimum Criteria	Monitor Well Identification Number										
		MW-1(R) B/F	MW-2 B/F	MW-3 B/F	MW-7 B/F	MW-8R D/F	MW-9 D/F	MW-AA D/F	MW-B D/F	MW-C D/F	MW-D D/F	MW-E C/F
Vinyl chloride (µg/L)	1	0.5	0.5	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5	0.5
Jul-99	1	0.5	0.5	0.5	0.5	4.4	0.5	2.4	0.5	0.5	0.5	0.5
Aug-00	1	0.5	0.5	0.5	0.5	4.9	4.5	5.5	0.5	0.5	0.5	0.5
Mar-01	1	0.5	0.5	0.5	0.5	4	1.1	0.5	0.5	0.5	0.5	0.5
Sep-01	1	0.5	0.5	0.5	0.5	3.7	1	4.4	1	0.5	0.5	1.8
Jan-02	1	0.5	0.5	0.5	0.5	4.3	1.3	3.6	1.5	0.5	0.5	1.4
Aug-02	1	0.5	0.5	0.5	0.5	3.8	1.2	2.6	1.4	0.5	0.5	0.97
Jan-03	1	0.5	0.5	0.5	0.5	5.1	1.7	0.5	1.1	0.5	1.4	0.5
Aug-03	1	0.5	0.5	0.5	0.5	3.9	1.2	2	1.4	0.5	0.5	0.5
Feb-04	1	0.5	0.5	0.5	0.5	5	1.7	1.8	0.5	0.5	0.5	0.5
Jul-04	1	0.5	0.5	0.5	0.5	2	0.5	2	0.5	0.5	0.5	0.5
Jan-05	1	0.5	0.5	0.5	0.5							

NOTE: For the purposes of these summary tables, parameters reported as BDL are listed at half the detection level

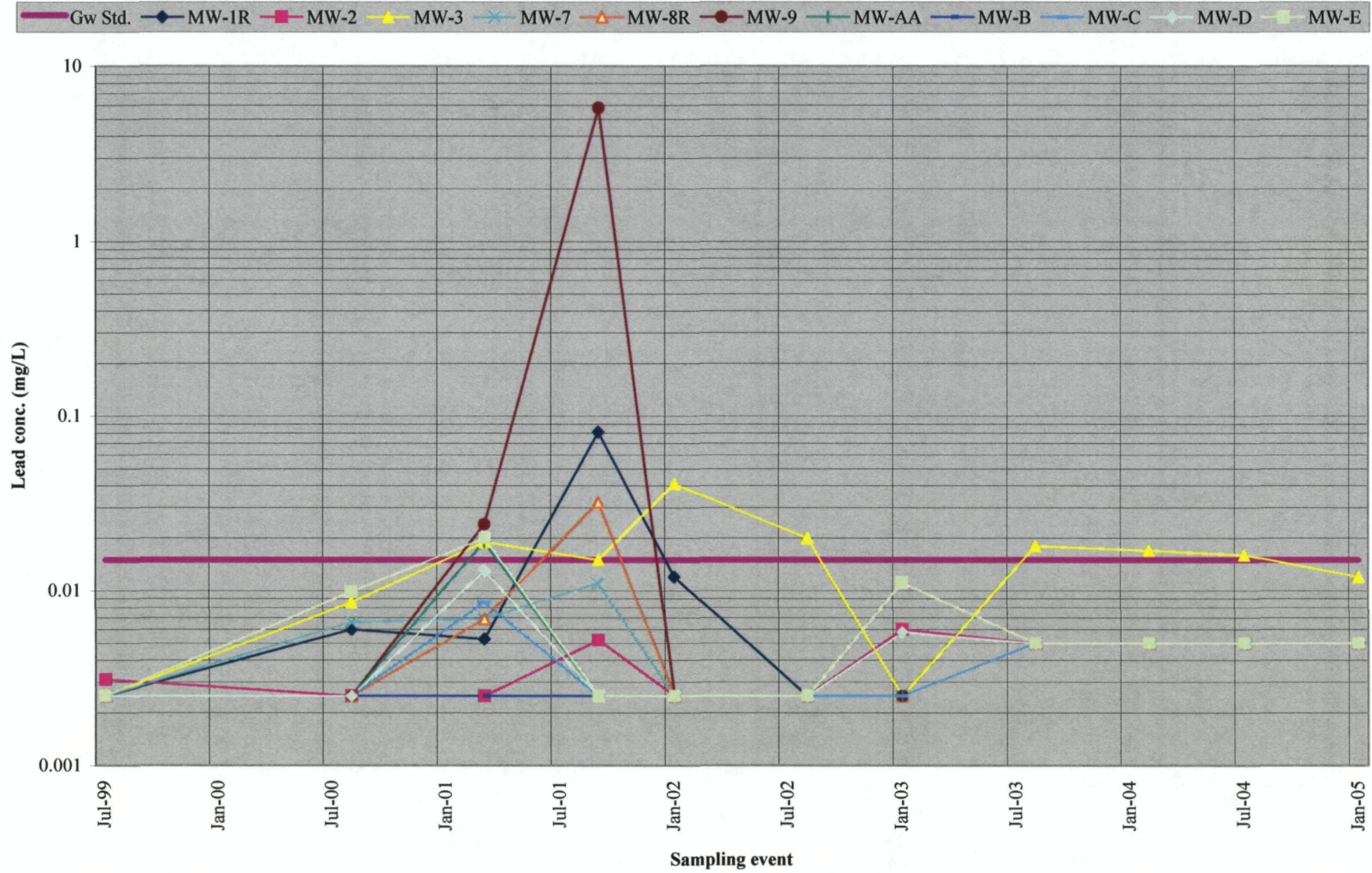


Groundwater Contour Map – Floridan Aquifer
 Citrus County Central Landfill
 January 25, 2005

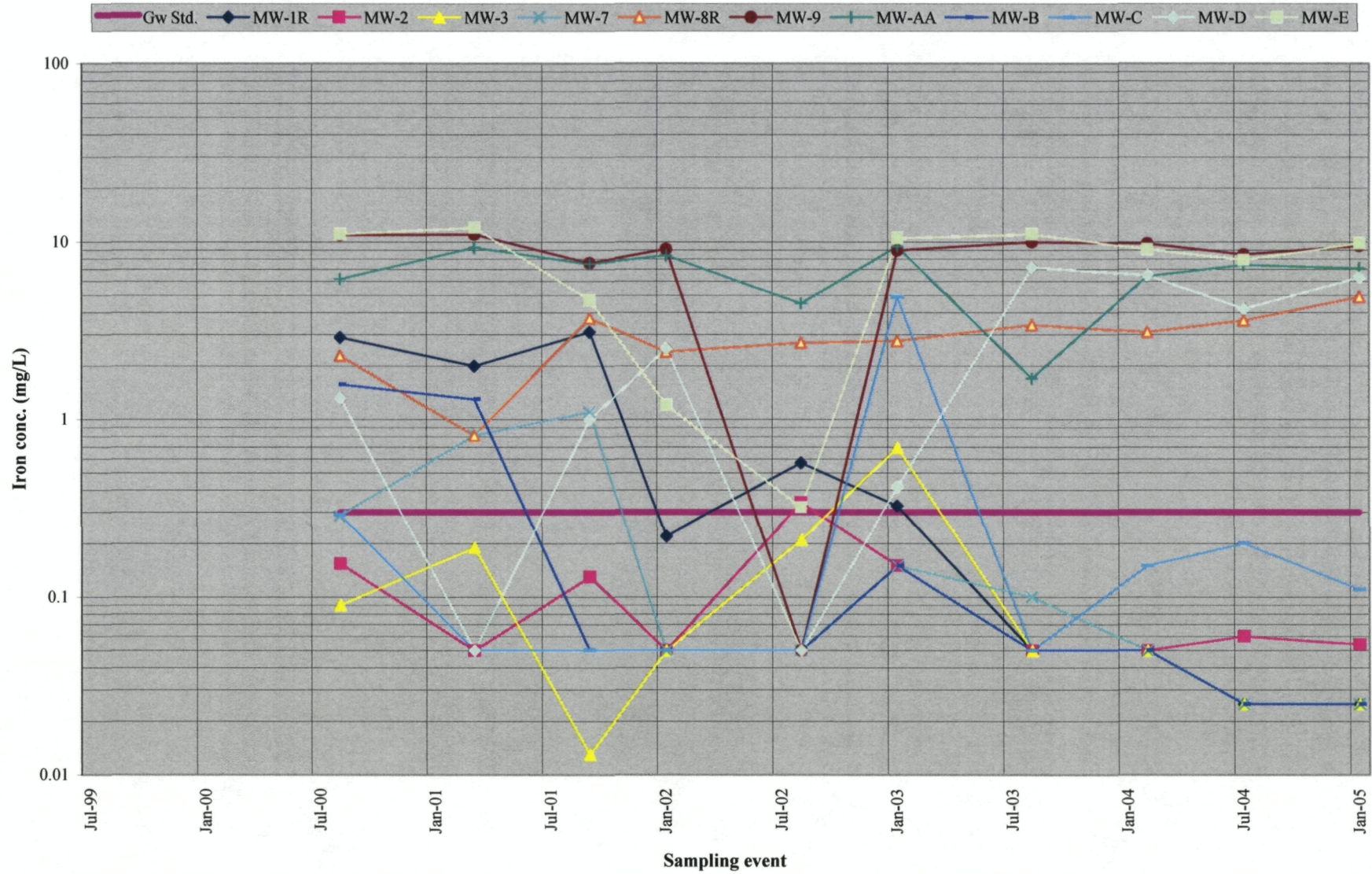
Citrus Central LF -- pH concentrations



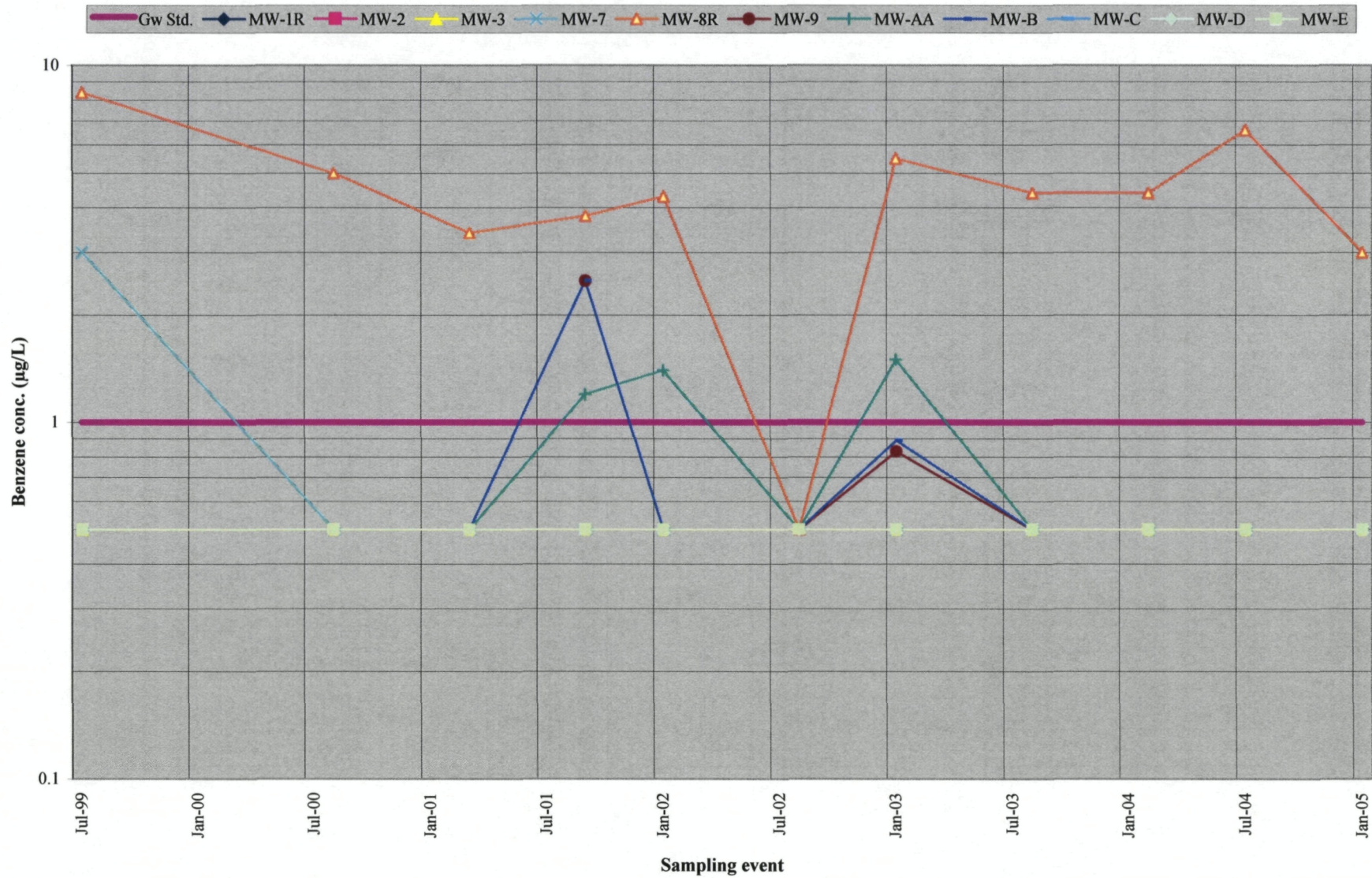
Citrus Central -- Lead concentrations



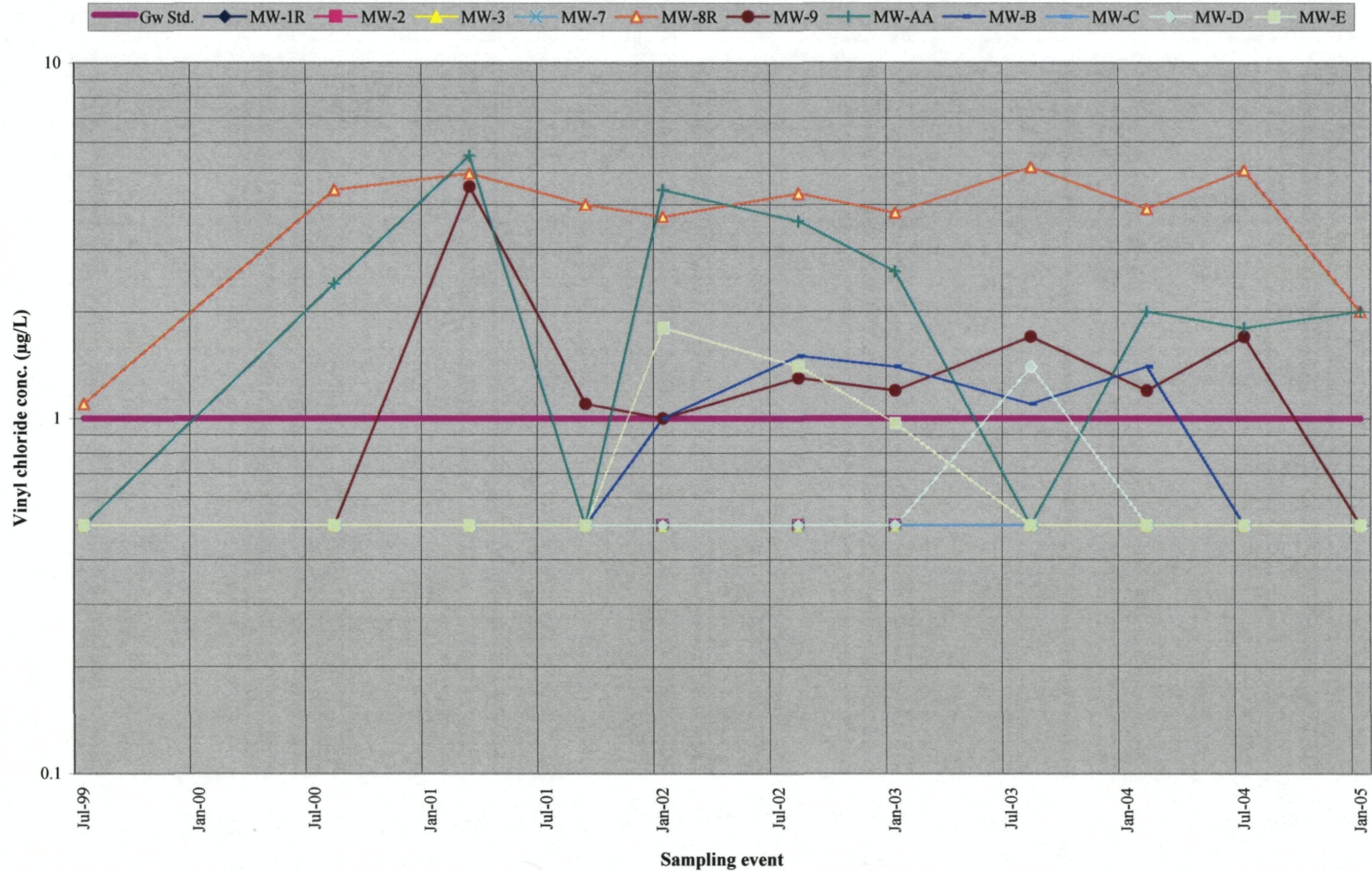
Citrus Central -- Iron concentrations



Citrus Central -- Benzene concentrations



Citrus Central -- Vinyl chloride concentrations



Pelz, Susan

Citrus Co. LF
permit file

From: Pelz, Susan
Sent: Monday, May 24, 2004 11:23 AM
To: Petro, Stephanie; Ross, Lora; Earles, Eva; Core, Simone; Morgan, Steve
Subject: FW: Centrall Landfill

Tracking:

Recipient	Read
Petro, Stephanie	Read: 5/24/2004 11:24 AM
Ross, Lora	Read: 5/24/2004 11:27 AM
Earles, Eva	Read: 5/24/2004 2:44 PM
Core, Simone	Read: 5/24/2004 11:26 AM
Morgan, Steve	Read: 5/24/2004 11:43 AM

GAS REPORTS

- NOV 2003 EVENT (QTR IV, 2003) REC'D 5/15/04
- INITIAL EXCEEDANCES REPORTED AT PERIMETER
- MAR 2004 EVENT (QTR I, 2004) REC'D 4/15/04
- NO EXCEEDANCES AT PERIMETER
- APRIL 2004 EVENT (QTR II, 2004) REC'D 5/24/04
- HAD EXCEEDANCES AT PERIMETER
- REC'D AFTER ARTICLE WAS PUBLISHED

fyi

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

From: Zavosky, Mike
Sent: Monday, May 24, 2004 10:51 AM
To: Pelz, Susan; Morris, John R.
Subject: Centrall Landfill

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Methane buildup could prove costly

An older section of a landfill contains high levels of the gas, but officials say it poses no immediate danger to residents.

JUSTIN GEORGE
 Published May 22, 2004

LECANTO - Methane seeping underground and moving from an old buried trash cell to areas around the Central Landfill on State Road 44 have reached levels that are considered explosive, according to state standards. A solution could require Citrus County to spend as much as \$900,000.

Susan Metcalfe, Solid Waste Division director, said the gas poses no danger to residents, as it is trapped underground. But a solution, which could involve buying nearby state forest land or expensive equipment to capture and burn the excess gases, could be expensive.

Landfills are required to monitor, four times each year, the concentration of methane gas given off by tons of buried trash. To measure, officials use wells, which are PVC tubes drilled into the ground at the landfill edges and capped by a gas analysis meter. That meter measures underground oxygen and methane produced by decomposition.

8/30/2004

Organic matter typically decomposes into carbon dioxide and water, landfill officials said, except when buried; then it produces methane and water.

On a few occasions last year, Metcalfe said, landfill workers measured gases given off underground and found methane levels making up between 5 percent and 15 percent of the gases.

Those measurements fall within the state's "lower explosive limit," Metcalfe said. Over the last several months, those levels have shown up in five of the about 70 wells at the landfill. During a recent measurement, they showed up in two wells, she said.

Because of the repeated levels, Metcalfe said, she will meet with the state Department of Environmental Protection in early June. That agency may ask her to come up with a plan to fix the problems, which Citrus County engineering consultants are studying.

Two options have surfaced already. The county could buy neighboring property where the methane levels are becoming problematic, thereby extending the landfill area. That land is owned by the state Forestry Division, which already leases the landfill site to the county.

In a "worst case scenario," Metcalfe said, the county could buy a device to extract the gases from underground so they can be burned off safely and reduced to carbon dioxide and water.

Metcalfe said she thinks the gas leak is probably being caused by an old, capped cell of garbage used years ago.

Currently, the Central Landfill accepts about 105,000 tons of garbage a year, including 300 tons daily, which is dumped into an 80-acre cell or parcel, compacted daily and covered with dirt. The cell has capacity for another 20 years, and is lined with plastic to prevent methane gases from escaping.

But the landfill also includes an older cell or parcel, about 60 acres large, that was used from 1975 until 1990, when it became full and was encapsulated or capped.

That cell did not include a plastic liner, and Metcalfe said the abnormal amounts of methane leaking out into nearby areas underground probably originate from there.

"It's very likely the sources are a result of now antiquated disposal procedures," she said. "But they were state-of-the-art at the time, and they were appropriate according to the rules and the (state) permit."

Additionally, the old parcel or dump area was used as a place to dispose of sewage from full septic tanks up until 1993, Metcalfe said, also contributing to the problem.

While there are no homes near the landfill that could be endangered by the underground leak, Metcalfe said, there is some concern that the gases could be a problem for the bordering Withlacoochee State Forest if left unchecked.

"It's explosive if you have an ignition source," she said.

Erin Albury, state forest area supervisor, said he was unaware of the leak.

Mike Zavosky, spokesman for the Department of Environmental Protection, said his department has not seen numbers indicating Citrus' problems. While the county exceeded methane limits late last year, he said, numbers show it was a single occurrence.

"Based on the data we have on hand currently," Zavosky said, "we do not see any violations."

8/30/2004

But Metcalfe said many of the alarming numbers may not have been recorded by the state yet.

"That would be my guess," she said. "I know there is information that has left our office."

- Justin George can be reached at 352 860-7309 or jgeorge@sptimes.com

Michael N. Zavosky

External Affairs Coordinator
FDEP-Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619-1352
Tel. 813/744-6100 ext. 495
Fax 813/744-6084

Please Note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure.

Petro, Stephanie

From: Pelz, Susan
Sent: Thursday, May 19, 2005 3:36 PM
To: 'Susan Metcalfe'
Cc: Morris, John R.; Morgan, Steve; Petro, Stephanie
Subject: RE: Permit Status

05-1078

Susie,

Your understanding of our conversations is correct. We will do what we can to expedite your operation permit renewal. We need to have an executed consent order that addresses the assessment/remediation of the groundwater and gas issues at the site prior to issuing the operation permit. If there is no surficial aquifer, then the wells are Floridan and corrective actions will be required.

On another note, we checked with our attorney conceptually about you using the old CAP/CAR language in lieu of Chapter 62-780, F.A.C. for the groundwater assessment activities, and basically she said that's not an option.

If you have any questions, please call or email (email is better).

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

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

From: Susan Metcalfe [mailto:Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Thursday, May 19, 2005 10:56 AM
To: Pelz, Susan
Subject: Permit Status

Susan,
I would appreciate a return e-mail from you verifying my understanding from our recent meetings and phone conversations.

First that the Department will work with us to expedite issuance of the Citrus County Central Landfill operating permit renewal.

Secondly, because of the existence of violations of both groundwater and gas standards, the position of the Department is that the permit cannot be issued without a contemporaneous consent order between the County and Department to address those issues.

And finally, that unless our review of existing data on hydrogeologic conditions at the site can justify the existence of a separate surficial aquifer, the County will immediately be required to begin compliance with the provisions of 62-780, starting with investigation and assessment of the extent of groundwater contamination. Following that step, through the requirements of the rule, the County would be required to perform risk assessment and implement remedial actions appropriate to the decision points set forth in the rule.

Thanks,
Susie