



PASCO COUNTY, FLORIDA

DADE CITY (352) 521-4274
 LAND O' LAKES (813) 996-7341
 NEW PORT RICHEY (727) 847-8145
 FAX (727) 847-8064

UTILITIES SERVICES BRANCH
 PUB. WKS./UTILITIES BLDG., S-213
 7530 LITTLE ROAD
 NEW PORT RICHEY, FL 34654-5598

August 8, 2000

Mr. Robert J. Butera, P.E. III
 Division of Waste Management
 Florida Department of
 Environmental Protection
 3804 Coconut Palm Drive
 Tampa, FL 33619-8318

RE: Hauling of Leachate

Dear Mr. Butera:

This letter is to inform you that as of August 8, 2000, J&J Baker will be hauling leachate from the Crom Tank inventory at the Leachate Management Plant (LMP) to the City of Tampa, Howard F. Curren, Advanced Wastewater Treatment Plant, as previously approved by the Department.

We anticipate hauling 54,000 gallons per day for approximately ten (10) days. The A-2 sump level is approximately 2 ft. and the Crom tank is reaching capacity, therefore this action will quickly resolve the temporary problem. We anticipate more rainfall and this process will allow for a Crom tank storage "comfort" level for the LMP to catch up on the processing of leachate. Vincent Mannella has informed you of the recent complications at the LMP.

This letter is for information purposes and if you have any further questions, please feel free to contact me at the above-listed telephone number.

Sincerely,


 Douglas S. Bramlett
 Assistant County Administrator
 (Utilities Services)

Post-It® Fax Note 7671		Date 8-8-00	# of pages 1
To	BOB BUTERA	From	Doug BRAMLETT
Co./Dept.	FDEP	Co.	PCU
Phone #		Phone #	
Fax #	813-744-6084	Fax #	

DSB/mvv/26/butera

cc: Deborah A. Getzoff, Director of District Management, Southwest District, FDEP, Tampa, FL
 John J. Gallagher, County Administrator
 Vincent Mannella, P.E., Solid Waste Facility Manager

**PASCO COUNTY LEACHATE EVAPORATOR
SITE PLANS**

RECEIVED OCTOBER 1, 1999

ROLLED UP AND IN THE HALL CLOSET



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

Westshore Center
1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787
September 30, 1999

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

OCT - 1 1999

SOUTHWEST DISTRICT
TAMPA

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

Re: Pasco County Leachate Treatment Facility
Certification of Construction Completion

Dear Kim:

Enclosed is a completed signed and sealed FDEP form of certification of construction completion of a solid waste management facility for the Pasco County leachate treatment facility.

Camp Dresser & McKee Inc. (CDM) engineer of record for the facility signed the enclosed form. In its certification, CDM relied on information obtained during site visits and general observations, from Pasco County plant operating personnel, and on the attached certification letter and drawings submitted by the designer/constructor of the plant processing equipment, Resource Conservation Company.

Based on the best available information, CDM hereby certifies that the facility has been built in general accordance with the permit conditions and is generally operating at the design capacity.

CDM, on behalf of its client Pasco County, requests that the facility's operating authority be included in Site Certification PA 87-23. We trust that the attached submittals satisfies Special Condition No. 7 of the construction permit.

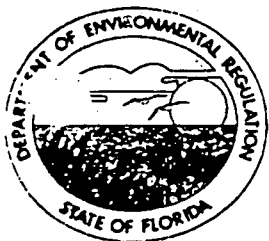
If you have any questions or require additional information, please feel free to contact me.

Sincerely,

CAMP DRESSER & McKEE INC.

Darwish El-Hajji, P.E.

c: Buck Oven, FDEP/Tallahassee
Vince Mannella, w/o enc
Dan Strobridge, w/o enc



Florida Department of Environmental Regulation

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

DER Form # 12-701.900(2)
Form Title <u>Construction Completion of a Solid Waste Management Facility</u>
Effective Date <u>January 8, 1983</u>
DER Application No. _____ (Filled in by DER)

Certification of Construction Completion of a Solid Waste Management Facility

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

OCT - 1 1999

DER Construction Permit No: SC51-277316 County: Pasco SOUTHWEST DISTRICT
TAMPA
Name of Project: Pasco County Leachate Treatment Facility
Name of Owner: Pasco County Board of County Commission
Name of Engineer: Camp Dresser & McKee Inc.
Type of Project: Leachate Treatment Plant

Cost: Estimate \$ 4.2 million Actual \$ 4.7 million

Design: Quantity: 35,000 gal ~~per~~ /day Site Acreage: NA Acres

Deviations from Plans and Application Approved by DER: Installed sump equipped with pump and cover outside the leachate treatment facility to collect spillage that may occur within the treatment facility building. The collected liquid will then be pumped to the leachate storage tank. Also provided awning to provide cover for chemical drums which are provided with portable spill containment.

Address and Telephone No. of Site: 14213 Hayes Road, Spring Hill, Florida, 34610
727-856-0119

Name(s) of Site Supervisor: Mr. Vince Mannella, P.E.

Date Site inspection is requested: _____

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction Permit No.: SC51-277316 Dated: May 17, 1996

Date: 9/30/99

[Signature]
Signature of Professional Engineer
Please see attached letter
[Professional Engineer Seal]



RCC Resources
Conservation
Company

3006 Northup Way
Bellevue, WA 98004-1407
U.S.A.

Tel: 425 828-2400
Fax: 425 828-0526

A Division of Ionics, Incorporated

September 27, 1999
PAS-L451

Camp Dresser & McKee Inc.
1715 North Westshore Blvd., Suite 875
Tampa, Florida 33607

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Attention: Daniel E. Strobridge

OCT - 1 1999

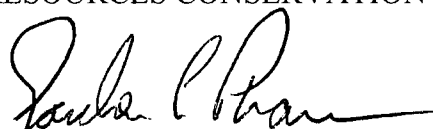
Subject: RCC As-Built Certification
Pasco County Leachate Treatment Facility

SOUTHWEST DISTRICT
TAMPA

Gentlemen:

We hereby certify that the equipment and process systems supplied by RCC have been installed and completed in the Leachate Treatment Facility located at the Pasco County Resource Recovery Plant, Hudson, Florida, per the RCC as-built design documentation. As verified by performance testing, these systems operate as designed to treat a minimum of 35,000 gallons per day of leachate and recover 90% or more of the treated volume in reusable distillate production.

Very truly yours,
RESOURCES CONSERVATION COMPANY


Gordon L Phares
Vice President

sptimes.com

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County to ask company to pay for faulty plant

A plant designed to treat contaminated water did not work properly for more than a year.

By JO BECKER

© St. Petersburg Times, published January 13, 1999

DADE CITY -- The manufacturer of a problematic \$4-million plant designed to treat a byproduct of the county's garbage incinerator will be asked to pay monetary damages to the county, Pasco Utility Director Doug Bramlett said Tuesday.

The plant treats water contaminated with ash from the county's Shady Hills garbage incinerator. But the plant did not work properly -- and sometimes did not work at all -- for more than a year. Contaminated water, called leachate, collected in pits where the county stores incinerator ash, creating what one county consultant called an "environmental disaster ready to happen."

State environmental regulators, who feared the leachate could overflow the pits and contaminate the region's water supply, forced the county last spring to pay to haul the leachate to Tampa for treatment. Bramlett said the company that manufactured the plant's treatment equipment, Resource Conservation Corp., should be made to bear some of those costs as well as others the county incurred in fixing the plant.

"We have sent them a letter saying what the damages are," Bramlett said during an interview at Tuesday night's County Commission meeting in Dade City. He said he did not have that number readily available, but expected "protracted negotiations" at a meeting between county and company officials to be held Thursday.

At that meeting, county officials will also fight paying a \$600,000 bill recently sent by Resource Conservation

KF litick
SM _____
AA _____
DN _____
SP _____

Corp. The company is billing the county for parts and time it spent fixing the faulty plant, Bramlett said.

"We're saying, 'no way,' " Bramlett said. "I've got a plant that didn't work for a year."

Meanwhile, Pasco's bill from an engineering consultant who helped the county oversee the design of the plant has more than doubled from what was initially estimated. In part, that is because of the problems at the plant, Bramlett said Tuesday as he asked county commissioners for an additional \$89,751 for the firm Camp Dresser & McKee.

In 1995, the county estimated its engineering consulting fees for the plant at \$195,477. The cost is now estimated at \$392,706.

Bramlett said that some of the additional cost was incurred because the county needed Camp Dresser & McKee's help in fixing the plant. County commissioners unanimously approved Bramlett's request for the additional money, but not before Commissioner Steve Simon questioned the expense.

Of particular concern to Simon was Bramlett's memo describing to commissioners why the additional money is needed. Bramlett wrote that a "change of philosophy" at DEP meant that the county was "no longer permitted temporary storage of leachate" in the ash storage pits, "requiring leachate to be treated and transported to different locations."

"I did not know that we were ever allowed to store the leachate in the ash pits," said the recently elected Simon, who used the incinerator problems as a campaign issue. "So I was reading this and saying, 'Whoa! Philosophy change? We were never allowed to store there.' "

In fact, officials at the Florida Department of Environmental Protection sent numerous letters to the county last year saying just that. Officials there complained that in an effort to save money, the county failed to quickly address the problems.

Bramlett said the "change of philosophy" to which his memo referred was actually changes the DEP forced the county to make during the construction of the plant.

That also increased the county's engineering costs, he said.

Still, the county's total engineering costs amount to only 9.3 percent of the plant's total construction cost, Bramlett said. That's well below the engineering industry's standard estimate of about 15 percent, he said.

The plant is now working properly, Bramlett said, and all the leachate that was stored in the ash pits has been hauled away or treated on site.

In other County Commission news:

County Attorney Karla Owens said her office is down from six attorneys to just three, including herself.

Commissioner David "Hap" Clark asked Owens what the commission could do to help her cope with the number of attorneys who have left her office to work elsewhere.

"More money would help," Owens said.

"I don't think we're going to keep these people unless we pay them," Clark agreed. "If we're going to have continuity in this organization, we need to put more money in."

Owens said she would bring back a proposal to the board at its first meeting in February.

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Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

June 25, 1998

Pasco County Board of
County Commissioners
c/o Mr. Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

Dear Mr. Bramlett:

Enclosed is modification #130423-001-SC to Construction Permit Number **SC51-277316**, issued pursuant to Section(s) 403.087(1), Florida Statutes.

A person whose substantial interests are affected by the Department's proposed agency action may file a timely petition for an administrative hearing under sections 120.569 and 120.57 of the Florida Statutes.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The names, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;

Pasco County Board of
County Commissioners
c/o Mr. Douglas Bramlett
Mod. No.: 130423-001-SC
Permit No.: SC51-277316

June 25, 1998
Page Two

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

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

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

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

The petition for an administrative hearing must conform to the requirements of Chapters 62-103 and 28-5.201, F.A.C., and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit modification is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit modification will not be effective until further Order of the Department.

Pasco County Board of
County Commissioners
c/o Mr. Douglas Bramlett
Mod. No.: 130423-001-SC
Permit No.: SC51-277316

June 25, 1998
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When the Order (Permit Modification) is final, any party to the Department has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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


KBF/ab
Attachment

cc: Dan Strobbridge, CDM
Robert Butera, P.E., FDEP Tampa

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on June 25, 1998 to the listed persons.

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


Clerk

6/25/98
Date

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

28-5.201 Initial of Formal Proceedings.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

 (c) any notices issued or published; and

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

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

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

Specific Authority: 120.53, 403.0876, 403.815, F.S.

Law Implemented: 120.53, F.S.

History: New 9-20-79; Amended 4-28-81; Transferred from 17-1.62 and Amended 6-1-84; Amended 10-19-88, Formerly 17-103.155.



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

June 25, 1998

PERMITTEE:

Pasco County Board of
County Commissioners
c/o Mr. Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

**RE: Modification #130423-001-SC to existing Constrution Permit
Permit No.: SC51-277316, Pasco County**

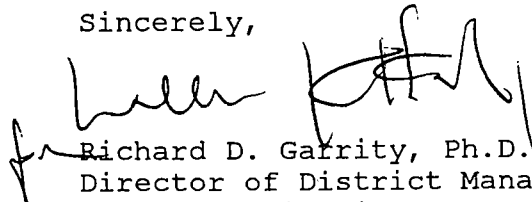
Dear Mr. Bramlett:

Your existing construction permit No. SC51-277316 expiration date is extended and the permit is hereby modified as follows:

<u>SPECIFIC CONDITIONS</u>	<u>FROM</u>	<u>TO</u>	<u>TYPE OF MODIFICATION</u>
#1.	Existing	Amended	Leachate Treatment Facility Corrective Actions
#15.		New	Permit Renewal

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

Sincerely,


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

RDG/kbfb
Attachments



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE

Pasco County Board of
County Commissioners
c/o Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

PERMIT/CERTIFICATION

GMS ID No: 4051M30035
Permit No: **SC51-277316**
Date of Issue: **05/17/96**
Expiration Date: **05/17/99**
County: Pasco
Lat/Long: 28°22'30"
82°34'00"
Sec/Town/Rge: 25/24S/17E
Project: Pasco County
Leachate Storage Tank
and Treatment Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-701 (formerly 17-4 and 17-701). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a solid waste leachate storage tank and treatment facility adjacent to the existing Resource Recovery Facility, subject to the conditions attached, located near Hays Road, 2 miles north of S.R. 52, Springhill, Pasco County, Florida. The specific conditions attached are for the construction activities for:

1. Leachate Storage Tank and Treatment Facility

Replaces Permit Number: N/A, New Facility

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

GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403-859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

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

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

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

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

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

GENERAL CONDITIONS:

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

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

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

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

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

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

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

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

GENERAL CONDITIONS:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

PERMITTEE: Pasco County LCC

PERMIT NO.: SC51-277316

Pasco County Leachate Storage Tank and Treatment Facility

GENERAL CONDITIONS:

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

SPECIFIC CONDITIONS:

1. Permit Application Documentation. This permit is valid for construction and installation of the leachate storage tank and treatment facility in accordance with:

- January 1996 Specifications by CDM received March 22, 1996;
- Addendum #1 dated January 23, 1996 and Addendum #2 dated February 5, 1996, received March 22, 1996;
- January 1996 Construction plans by CDM received March 25, 1996;
- Geotechnical Report dated March 14, 1996 by PSI received April 22, 1996;

and in accordance with all applicable requirements of Department rules. Construction activities approved as part of this permit shall be completed by **March 1, 1997**, or earlier if required for continued compliance with Department rules. The continued construction of improvements to the leachate treatment facility required as corrective actions is allowed. This permit requires certification of construction completion, as well as testing and reporting following improvements required as corrective actions in accordance with all conditions and deadlines specified in this permit.

Amended June 25, 1998.

2. Permit Modifications. Any construction not previously approved as part of this permit will require a separate Department permit unless the Department determines a permit modification to be more appropriate. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification, which is reasonably expected to lead to substantially different environmental impacts, and which requires a detailed review by the Department, is considered a substantial modification.

3. Construction Plans. At least **thirty (30) days** prior to initiation of construction activities, a complete set of plans and specifications to be used for construction, shall be submitted to the Department. All changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department) shall be noted on the plans. Substantial changes in the plans shall require a permit modification. A re-certification of any alternate design by the design engineer is required. Alternate designs shall be approved by the Department prior to construction. Shop drawings for the tank shall be provided to the Department prior to construction to verify conformance with construction plans and acceptable design standards.

SPECIFIC CONDITIONS:

4. Pre-Construction Meeting Notification. The Department Solid Waste Permitting staff shall be notified **72 hours** before all pre-construction meetings with the contractor. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all substantial plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department within **two (2) weeks** after the conference.

5. Construction Schedule and Progress Report. No later than **two (2) weeks** after the pre-construction conference, the owner or operator shall submit a construction schedule which includes estimated dates for each phase of the construction to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained. An updated construction schedule and progress chart shall be submitted to the Department **monthly**.

6. Quality Assurance. Liner systems shall have a construction quality assurance plan to provide personnel with adequate information to achieve continuous compliance with the liner construction requirements. The plan shall include or refer to specifications and construction methods which use established engineering practices to construct a liner system and provide for quality control testing procedures and sampling frequencies. Sampling and testing shall be conducted in the field by trained personnel during construction and after construction completion. Such personnel will be under the direction of the construction quality assurance professional engineer, to assure the liner system will comply with the standards. The engineer or his designee shall be on-site at all times during liner system construction to monitor construction activities.

7. Certification of Construction Completeness. Within **sixty (60) days** after all specified construction has been completed, the following activities shall be completed:

a. The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

b. The owner or operator shall submit Record Drawings showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations).

SPECIFIC CONDITIONS:

c. The owner or operator shall submit a narrative indicating all changes to plans and the cause of the deviations and certification by the design engineer to the Department.

d. The engineer of record shall provide a report to verify conformance with the standards and specifications required by FAC Rule 62-701.400. The report including all testing results for the entire liner system shall be submitted to the Department along with the completion of construction documents.

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

9. Water Quality, Gas and Leachate Management. Water quality, gas and leachate management systems shall be operated and maintained in accordance with the current site certification.

10. Water Quality, Gas and Leachate Monitoring. Water quality, gas and leachate shall be monitored in accordance with the current site certification.

11. Testing Requirements. The permittee shall be allowed twelve (12) months for operating and testing of the leachate storage tank and treatment facility to determine compliance with the rules and regulations of the Department. A report assessing the effectiveness of the leachate storage tank and treatment facility shall be submitted to the Department **within ninety (90) days** after the end of the first 3 months of operation. The report shall also include solids testing and characterization. **Within twelve (12) months** following construction completion and annually thereafter, those portions of the secondary containment liner which can be readily visually inspected shall be inspected for damage, repaired if necessary, and a report provided to the Department indicating the results of the inspection and any corrective measures undertaken, signed and sealed by a professional engineer.

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

PERMITTEE: Pasco County DCC

PERMIT NO.: SC51-277316

Pasco County Leachate Storage Tank and Treatment Facility

SPECIFIC CONDITIONS:

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

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

15. Permit Renewal. No later than **one hundred eighty (180) days** before the expiration of the Department permit, the permittee shall apply for a renewal of a permit on forms and in a manner prescribed by the Department, in order to assure conformance with all applicable Department rules. Permits shall be renewed at least every five years as required by F.A.C. 62-4.070(4).

New June 25, 1998.

ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
1.	March 1, 1997	Construction complete
3.	30 days prior to construction	Submit complete plans and specifications, noting changes
4.	72 hours prior to meeting	Notify Department of pre- construction meetings
4.	2 weeks after meeting	Submit minutes of pre- construction meeting
5.	2 weeks after meeting	Submit construction schedule
5.	Monthly	Submit update construction schedule
7.	Within 60 days after construction is complete	Submit Certification of Construction Completion, Arrange for inspection, submit Record Drawings, submit narrative describing all deviations
11.	Within 90 days after 3 months of operation	Submit assessment report
15.	At least 180 days prior to permit expiration	Permit renewal

Memorandum

Florida Department of Environmental Protection

PERMIT COVER MEMO

TO:  RICK GARRITY, Director of District Management

FROM/THROUGH:

William Kutash ENVIRONMENTAL ADMINISTRATOR
Bob Butera *RB 6/24/98* SUPERVISOR
Kim Ford *KF 6/24/98* ENGINEER

DATE: *6/24/98*

FILE NAME: W. Pasco Leachate Treatment
PROGRAM : Solid Waste

MOD. #: 130423-001-SC
PERMIT #: SC51-277316
COUNTY : Pasco

TYPE OF PERMIT ACTION: ISSUE DENY X MODIFY
TRANSFER OWNER NOD
PUBLIC NOTICE INTENT TO ISSUE

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

PERMIT SUMMARY: This modification is to extend the expiration date and allow the continued construction of improvements to the leachate treatment facility, and subsequent certification with operating and testing.

PROFESSIONAL RECOMMENDATION: X APPROVE DENY

EVALUATION SUMMARY: The letter requesting the time extension by CDM was received on June 18, 1998. No deficiency letters were sent. This permit is modified to allow construction of improvements and requires certification of construction completion documents.

This permit modification was deemed complete on June 18, 1998.

Day 90/30 for this Action is June 30, 1998.

SOUTHWEST DISTRICT
FDEP

Solid Waste Program
Permitting Application

New Site

Site Name:
Site Address:
County:
Type/Subcode:

Existing Site

Site ID:	130423-001
Project Name:	PASCO LEACHATE TREATMENT
Type/Subcode:	SC/ITX
Fee Submitted:	50 (<input checked="" type="checkbox"/> correct () incorrect
Fee Refund \$	Fee Request \$

Related Party

Role:	CONSULTANT
Name:	D. STROBRIDGE
Company:	CDM
Street:	1715 WESTSHORE BLVD. SUITE 875
City:	TAMPA FL
Zip Code:	33607
Phone:	813 2812900

Distribution Date:

Fee Checked By:

K FORD

Date:

6/14/98



CAMP DRESSER & MCKEE, INC.
1715 NORTH WESTSHORE BOULEVARD
SUITE 875
TAMPA, FLORIDA 33607
(813) 281-2900

FIRST UNION NATIONAL BANK
OF FLORIDA
CLEARWATER, FL
63-751/631 - 00224

13627

6/15/1998

PAY TO THE ORDER OF FL DEPT OF ENVIRONMENTAL PROTECTION

\$ **50.00

Fifty and 00/100*****

DOLLARS



MEMO PERMIT

[Handwritten signature]
MP

⑈013627⑈ ⑆063107513⑆ 262240186586⑈



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

June 16, 1998

RECEIVED
JUN 18 1998
D E P

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

Subject: Permit No. SC51-277316, Pasco County Leachate Storage Tank and Treatment Facility

Dear Mr. Ford:

Camp Dresser & McKee Inc. (CDM) has been requested by Mr. Doug Bramlett, Assistant Pasco County Administrator, to formally request an extension of time to the above referenced construction permit.

By this letter, Pasco County formally requests an extension of the expiration date of July 1, 1998 to November 30, 1998. The requested time extension will provide time to: (1) secure record drawings showing the changes to the spray dryer and baghouse, (2) complete performance testing, (3) operate the facility in a commercial mode for a three-month period, and (4) prepare the report required under Specific Condition Number 11 of the referenced permit.

Enclosed is a check in the amount of Fifty Dollars (\$50.00), the permit extension fee pursuant to FAC Rule 62-4.050(4)(q)3.

Please note that the changes to the spray dryer and baghouse are minor technical changes to this equipment which continues to be located in the same locations as shown in the drawings previously submitted.

Please disregard the correspondence from Pasco County dated June 4, 1998 concerning this matter.

Mr. Kim B. Ford, P.E.

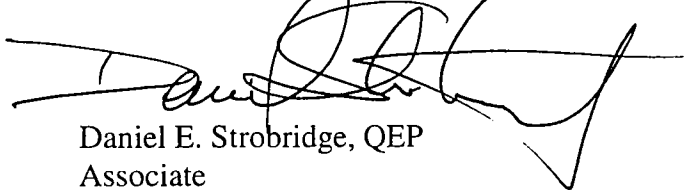
June 16, 1998

Page 2

If you have any questions in this regard, do not hesitate to contact me.

Sincerely,

CAMP DRESSER & MCKEE INC.



Daniel E. Strobridge, QEP
Associate

c: John Gallagher, Administrator
Doug Bramlett, Assistant Administrator
Vince Mannella, Facility Manager
Robert Butera, FDEP



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

June 16, 1998

RECEIVED
JUN 18 1998
D

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

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Mr. Kim B. Ford, P.E.

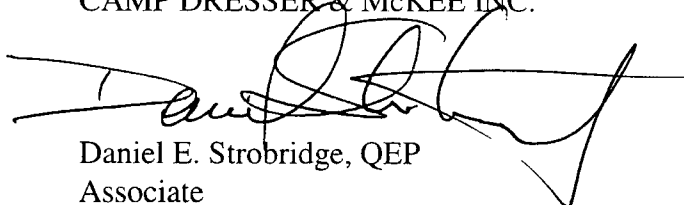
June 16, 1998

Page 2

If you have any questions in this regard, do not hesitate to contact me.

Sincerely,

CAMP DRESSER & MCKEE INC.

A handwritten signature in black ink, appearing to read "Dan Strobbridge", is written over a horizontal line. The signature is stylized with a large, looped initial "D" and a trailing flourish.

Daniel E. Strobbridge, QEP
Associate

c: John Gallagher, Administrator
Doug Bramlett, Assistant Administrator
Vince Mannella, Facility Manager
Robert Butera, FDEP



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

June 10, 1998

Mr. Vincent Mannella, P.E.
Solid Waste Facility Manager
Pasco County Solid Waste Recovery Facility
14230 Hays Road
Spring Hill, FL 34610

Re: Permit No. SC51-277316, Pasco County Leachate Storage Tank and Treatment Facility
Letter dated June 4, 1998 and Received by the FDEP on June 9, 1998.

Dear Mr. Mannella:

Please be advised that the July 1, 1998 expiration date of the above referenced permit must be modified. A request for an extension of time for the expiration must be specifically requested and accompanied with a fee of \$50 as required by FAC Rule 62-4.050(4)(q)3, **prior to expiration date of the permit**. The County must request an extension of the expiration date for the referenced construction permit that includes the period approved by the Department for submittal of the record drawings reflecting all changes to the leachate treatment facility (within 60 days of construction completion as noted in Specific Condition #7 of the referenced permit) as well as the operation, testing and reporting requirements delineated in Specific Condition # 11 of this permit. **Be advised, the continued operation of the leachate treatment facility after July 1, 1998 will be a violation of Department regulations unless the expiration date of the permit is extended.**

The reason for your request to submit record drawings in one year is unclear. You noted that there are ongoing changes related to the bag house, spray dryer and other ancillary items. The specific condition in the permit requires these drawings to be submitted within 60 days after completion of all changes.

In (a) and (d) of the referenced letter, 1998 should be corrected to 1997. Attached are copies of the FDEP approval letters for certification of the storage tank and treatment facility for your records and 62-4.050(4)(q)3. These are not approvals of changes to the leachate treatment facility. If you have any questions relating to this letter please contact Kim Ford at (813) 744-6100, Ext. 382. Please address future correspondence to Kim Ford and copy to myself.

Sincerely,

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

cc: John Gallagher, County Administrator
Douglas Bramlett, Assistant County Administrator
Ronald J. Walker, Solid Waste Superintendent
Richard Garrity, Ph.D., Director of District Management
Kim Ford, FDEP
Steve Morgan, FDEP

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

Printed on recycled paper.

follows:

1. Site specific alternative criteria for each water quality criteria 15,000
2. Variance or exemption for each water quality criteria \$6,000
3. Variance or exemption for public water system from maximum contaminant level/treatment techniques \$1,000
4. Variance from other permitting standards or conditions \$2,000
5. Aquifer exemption — major \$15,000
6. Aquifer exemption — minor \$7,500

(p) Permits to construct or operate any other type of facility or stationary installation not specifically listed in subsections (a) through (m) \$100

(q) Minor modifications of permits that do not require substantial technical evaluation by the Department, do not require a new site inspection by the Department, and will not lead to substantially different environmental impacts or will lessen the impacts of the original permit:

1. to correct minor errors or typographical mistakes and that do not involve technical review \$0
2. to incorporate changes requested by the Department or required through permits issued by other regulatory agencies, and to change due dates for reporting or performance deadlines when such changes in the due date do not involve any new work, any new work locations, or any new activities, and will not alter, replace, or otherwise eliminate the requirements for otherwise performing the work required by the permit \$0
3. that consist of transfers of permits or time extensions \$50
4. involving minor technical changes which involve new work, new work locations, new activities, or any other change which alters, replaces, or otherwise eliminates the work authorized by the permit when the original permit fee of the issued permit is less than \$300, except for modifications to permits issued pursuant to Section 403.816, F.S. \$50
5. involving minor technical changes which involve new work, new work locations, new activities, or any other change which alters, replaces, or otherwise eliminates the work authorized by the permit when the original permit fee of the issued permit is more than or equal to \$300, except for Domestic Wastewater Facility Permits, Industrial Wastewater Facility Permits, Drinking Water (Public Water Supply) Permits, Underground Injection Control Permits and permits issued pursuant to Section 403.816, F.S. \$250

(r) For purposes of requiring a permit application and fee for the following facility types, each non-contiguous project shall be considered a stationary installation and shall require a separate application and fee.

1. Domestic wastewater collection system.
2. Drinking water distribution system.

(s) All fees shall be deposited in the Florida Permit Fee Trust Fund created pursuant to Section 403.087(5), F.S.



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 12, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

Re: Leachate Treatment Facility
Certification of Construction Completion
Permit No.: SC51-277316, Pasco County

Dear Mr. Mannella:

On May 9, 1997, an inspection of the above referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Vince Mannella (Pasco County), Darwish El-Hajji and Craig Osmanski (CDM) and Kim Ford (FDEP).

Certification of Construction Completion dated May 6, 1997 was received by the Department on May 6, 1997. Based on the certification and related report submitted May 6, 1997 and the construction inspection, FDEP approves the certification of the leachate treatment facility in accordance with the conditions of the current permit #SC51-277316.

Operation of the leachate treatment facility is authorized by the current construction permit and is subject to its conditions. Discharge from the tank to the treatment facility is allowed. Certification of Construction Completion for the leachate storage tank was approved by FDEP's March 28, 1997 letter.

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

Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

pb



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

March 28, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

Re: Leachate Storage Tank
Certification of Construction Completion
Permit No.: SC51-277316, Pasco County

Dear Mr. Mannella:

On March 18, 1997, an inspection of the above referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Vince Mannella and Ron Walker (Pasco County), Darwish El-Hajji and Craig Osmanski (CDM) and Kim Ford (FDEP).

Certification of Construction Completion dated January 27, 1997 was received by the Department on February 4, 1997. The certification does not cover the leachate treatment facility. Based on the certification and related report submitted February 4, 1997, the construction inspection, the results from pumping the leak detection system, and supporting information by CDM dated March 27, 1997, FDEP approves the certification of the leachate storage tank in accordance with the conditions of the current permit #SC51-277316.

Operation of the leachate storage tank is authorized by the current construction permit and is subject to its conditions. There shall be no discharge from the tank allowed after leachate is initially received into the tank unless specifically approved by the Department. The Department is awaiting certification of construction completion for the leachate treatment facility.

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

Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

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



PASCO COUNTY, FLORIDA

RECEIVED
JUN 09 1998
Department of Environmental Protection
BY SOUTHWEST DISTRICT

DADE CITY (352) 521-4274
LAND O'LAKES (813) 996-7341
NEW PORT RICHEY (813) 856-0119
FAX (813) 856-0007

PASCO COUNTY SOLID WASTE
RESOURCE RECOVERY FACILITY
14230 HAYS ROAD
SPRING HILL, FL 34610

June 4, 1998

Mr. Robert Butera, P.E. III
Division of Waste Management
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Permit No. SC51-277316;
Pasco County Leachate Storage
Tank and Treatment Facility

Dear Mr. Butera:

Please be advised that the above referenced permit has an expiration date of July 1, 1998. Specific Condition, No. 7, Certification of Construction Completeness clearly notes, "within 60 days after all specified construction has been completed." Four items are required by the construction permit for an operation permit to be issued:

- a) Certification of Construction Completion, completed and approved by the Florida Department of Environmental Protection (FDEP), May 12, 1998, permitted to operate.

The Leachate Storage Tank Construction Certification was approved by the FDEP, March 28, 1997.


- b) Submit Record Drawings - The plant is undergoing certain changes in bag house, spray dryer, and other ancillary items that are being modified; Record Drawings are not available at this time.
- c) A narrative indicating all changes to plans, cause of the deviation, and design engineer certification to the FDEP are required. This is not available at this time and are dependant on Record Drawings.

Mr. Robert J. Butera, P.E III
June 3, 1998

- d) Report of testing on liner system has been submitted and approved by the FDEP on March 28, 1998.

7 RB
It is clear that items' b and c cannot be complied with at this time, therefore, Pasco County is requesting a twelve (12) month extension the subject permit until July 1, 1999.

Very truly yours,


Vincent Mannella, P.E.
Solid Waste Facility Manager

VM/drc

cc: John J. Gallagher, County Administrator
Douglas S. Bramlett, Assistant County Administrator
Ronald J. Walker, Solid Waste Superintendent

INTEROFFICE MEMORANDUM

Sensitivity: COMPANY CONFIDENTIAL

Date: 16-May-1998 11:52am

From: Robert Butera TPA
BUTERA_R

Dept: Southwest District

Office

Tel No: 813/744-6100

Subject: Water Balance/Head on Liner - West Pasco

When the evaporator was designed/permitted did we receive a water balance that included a maximum 1 foot head on the liner when determining the capacity of the evaporator? I'm sure they would have included the 2M gallon storage tank.

I'm basically asking what determined the tank size and evaporator capacity?and how did it correlate to the maximum design head on the liner?

AGS

ACTUAL
LEACHATE DATA

SEE ATTACHED
FOR OUR 1996 VERIFICATION
OF THE DESIGN

Ad LCRS pumped dry daily
to tank

fu
5/18/98

Bob

OK
RB.
Drains

Pump to WWT
OR
TREAT?
WHEN will tank go on-line?

HEARS THE REPORT YOU
WERE INTERESTED IN.

W. PAX ASH UNIT
GENERATED 6.3 million gallon
in 1995

OK → THE PROPOSED TREATMENT PLANT
WILL HANDLE:
 $\underline{20,000 \text{ GPD}} \times 350 \text{ DAY} = 10.5 \text{ million / year}$
 $6.3 \approx 10.5 : \text{OK}$

(THERE WILL BE 2 DISPOSAL UNITS
IN OPERATION, SOME
WILL BE OPEN, INTER, & CLOSED
SO SHOULD BE CLOSED TO

10.5 million / YEAR GENERATED

1/9/96



PASCO CO

Post-It Fax Note 7671		Date 9/26	# of pages 2
To: Pete Burghardt		From: Doug Branetti	
Co./Dept: FDEP		Co. PCCW SB	
Phone #		Phone # 847-8145	
Fax # 813-744-6090		Fax #	

DADE CITY (352) 521-4274
 LAND O' LAKES (813) 996-7341
 NEW PORT RICHEY (813) 847-8145
 FAX (813) 847-8064

UTILITIES OPERATIONS AND
 MAINTENANCE DEPARTMENT
 PUB. WKS./UTILITIES BLDG., S-205
 7530 LITTLE ROAD
 NEW PORT RICHEY, FL 34654

September 24, 1997

Mr. Mike Spann
 Resources Conservation Co.
 3006 Northup Way
 Bellevue, WA 98004

RE: Pasco County Leachate Management Plant

Dear Mr. Spann:

On or about May 6, 1997, the Pasco County Leachate Management Plant (LMP) was deemed ready for operation. To date, we have problems keeping the LMP operating for any extended length of time. The problems presented herein, as I view them, come under the purvey of your (Resources Conservation Company [RCC]) design and/or procurement responsibilities. This communication is to quantify existing problems and suggest, recommend, or offer possible resolutions to the problems. Your review and comment on the noted problems may or may not be in agreement with our thoughts. The 5½ months of struggle in the attempted operation of the LMP has been an extended learning experience. From this experience, these problems listed need to be resolved. I am trying to establish why the LMP is operating at about 50 percent of the approved design parameters. We believe the reasons may be as follows:

- We are still experiencing bag house problems, with salt blocking the flow and causing the LMP to either reduce operation efficiency or the need for LMP shutdown. This problem, as we have discussed, may lie in the double 90° bends in the delivery tract or perhaps in the air velocity. In any event, this is what Pasco County considers a severe problem that requires solution.
- The leachate transfer pump is pumping at 17 GPM; design pumping volume is stated to be 25 GPM. The pump has a leaking seal that is causing a problem and is in the process of being repaired. If this pump was repaired and did deliver design load, the Brine Concentrator (BC) could not handle the load!
- The BC is running at 12-15 GPM; design limit is 24.5 GPM. However, the high feed flows result in the brine sump level to rise to levels that would result in the BC shutting down as well as raising the solids level in the brine which may cause possible damage to the BC. The problem: we cannot direct sufficient volume of concentrated brine to the spray dryer holding tanks. The reason, we believe the line connecting the two is undersized. If the line was of proper size, it would not matter because the sprayer apparently cannot handle the load!

- The spray dryer is currently processing approximately 1.8 GPM; design limit is 2.7 GPM. We believe, if the transfer pump was repaired and the interconnect line from the BC to the spray dryer holding tank were replaced with proper-sized line, the spray dryer could not keep up at the design capacity of 2.7 GPM. It follows naturally that the spray dryer is unable to operate at design capacity. What are your thoughts on this?
- Distillate production is running at 11 GPM; design level is 24 GPM. This amounts to 15,809 gpd or operation at about 45 percent of design limit of 35,000 GPM. Distillate can only be made after salt is taken from the brine. The spray dryer once again is the apparent source of the problem.

After 5½ months of operation and learning, the plant operators and manager have come to the conclusion from their experiences in this plant operation, that the poor operating characteristics all relate and fall back on the spray dryer. This spray dryer will just not operate at the design level of 2.7 GPM. It is this factor that determines the distillate production. Pasco County needs distillate production of 35,000 gpd.

Please advise me if you believe my review contained herein is in error and why, followed by what must be done to the LMP to get distillate production up to design limits.

These problems, I believe, are within your contractual or procurement responsibility. Please respond. I will be pleased to meet with you at any convenient time, with any representatives you may wish to bring. These problems must be resolved.

Please consider most carefully, is the spray dryer undersized? If it is, let's replace it with one of proper size. If the spray dryer is of proper size, get it to operate at design capacity.

Sincerely,



Vincent Mannella, P.E.
Solid Waste Facility Manager

VM/ltr/g092202

cc: Joe Bostjancic, Resources Conservation Company, 3006 Northup Way, Bellevue, WA 98004
Dan Strobridge, Camp Dresser & McKee Inc., 1715 North Westshore Blvd., S-875, Tampa, FL 33607
John J. Gallagher, County Administrator
Bernard M. Telatovich, Assistant County Attorney II
D. [REDACTED] Assistant County Administrator (Utilities Services)
Ronald J. Walker, Solid Waste Superintendent

Handwritten notes:
Bos RS
Kim: Worthless address by CMG
OK

VINCENT MANNELLA, P.E.
SOLID WASTE FACILITY MANAGER
UTILITIES SERVICES BRANCH
PUB. WKS./UTILITIES BLDG., S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

TEL. NO. (813) 847-8145 - FAX NO. (813) 847-8064

fax



to: Mr. Kim Ford, FDEP, Tampa, Fl

fax #: 1-813-744-6125

from: Vince Mannella, P.E.

date: May 23, 1997

subject: Leachate Management Facility

pages: 3 (incl. cover)

NOTES: This letter is being FAXed without the attachments. They will be sent with the hard copy of the letter.



PASCO COUNTY, FLORIDA

DADE CITY (352) 521-4274
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UTILITIES OPERATIONS AND
MAINTENANCE DEPARTMENT
PUB. WKS./UTILITIES BLDG., S-205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

May 22, 1997

Mr. Kim Ford, P.E.
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Permit No. SC51-277316 - Leachate Management Facility

Dear Mr. Ford:

Pursuant to our meeting today at the East Pasco Sanitary Landfill, which had no violations, I advised you we were experiencing the aroma of hydrogen sulfide (H_2S) from the brine concentrator (BC) feed tank. The area was, and is, currently being tested for H_2S concentration, and readings are being recorded hourly. Currently, the H_2S readings are ranging from 0 ppm to a high of 4 ppm, which levels are below the OSHA eight-hour exposure limit of 10 ppm. However, Pasco County has serious concerns for the welfare of our employees and has started a complete monitoring/recording program.

The solutions on this problem have been discussed and are as follows:

1. Cover the BC feed tank.
2. Provide a hood with a piped vent to and through the roof.
3. The hood and piped vent should have an induced draft fan of both high velocity/high volume to remove all of the air over the BC tank and surrounding area.
4. An audible alarm to warn all plant personnel should the H_2S level ever exceed the OSHA 10 ppm limit.

To date, no permanent solution has been determined. I will advise the Department of our decision on what will be determined. I do not perceive a permit violation on this matter after studying Permit No. SC-51.277316, General Condition No. 5, "... no harm or injury to human health or welfare. . . ." This has not happened nor will we permit it to happen.

General Condition No. 6 authorizes operation of back-up or auxiliary facilities or similar systems to achieve compliance with permit condition. H_2S is not a limiting permit condition to be monitored. Pasco County feels monitoring of H_2S generated in the Leachate Management Facility is of concern and shall be monitored.

I will keep the Department advised of any and all developments on this problem until such time as a complete resolution of the H_2S problem is resolved.

Sincerely,

M. Vitorino for

Vincent Mannella, P.E.
Solid Waste Facility Manager

VM/s052302:ltr

Attachments

cc: Bob Butera, P.E., Florida Department of Environmental Protection, 3804 Coconut
Palm Drive, Tampa, FL 33619-8318
John J. Gallagher, County Administrator
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Ronald J. Walker, Solid Waste Superintendent
Plant Operators

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date:

5/23/97

Number of pages including cover sheet:

5

To:

Vince Mannello

Fazio Gentry

Phone:

813 8560119

Fax phone:

813 8560007

CC:

From:

Kumtaro

Phone:

(813) 744-6100

x 382

Fax phone:

(813) 744-6125

REMARKS:



Urgent



For your review



Reply ASAP



Please comment

H-25 info

NIOSH POCKET GUIDE TO CHEMICAL HAZARDS

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control
National Institute for Occupational Safety and Health

June 1990

For Sale by the Superintendent of Documents, U.S. Government
Printing Office, Washington, D.C. 20402

II. NIOSH RECOMMENDATIONS

Acting under the authority of the Occupational Safety and Health Act of 1970 (Public Law 91-596), NIOSH develops and periodically revises recommended exposure limits (RELs) for hazardous substances or conditions in the workplace. NIOSH also recommends appropriate preventive measures to reduce or eliminate the adverse health and safety effects of these hazards. To formulate these recommendations, NIOSH evaluates all known and available medical, biological, engineering, chemical, trade, and other information relevant to the hazard. These recommendations are then published and transmitted to OSHA and the Mine Safety and Health Administration (MSHA) for use in promulgating legal standards.

NIOSH recommendations are published in a variety of documents. Criteria documents recommend workplace exposure limits and appropriate preventive measures to reduce or eliminate adverse health effects and accidental injuries.

CIBs are issued to disseminate new scientific information about occupational hazards. A CIB may draw attention to a for-

merly unrecognized hazard, report new data on a known hazard, or present information on hazard control.

Special Hazard Reviews, Occupational Hazard Assessments, and Technical Guidelines support and complement the other standards development activities of the Institute. Their purpose is to assess the safety and health problems associated with a given agent or hazard (e.g., the potential for injury or for carcinogenic, mutagenic, or teratogenic effects) and to recommend appropriate control and surveillance methods. Although these documents are not intended to supplant the more comprehensive criteria documents, they are prepared to assist OSHA and MSHA in the formulation of regulations.

In addition to these publications, NIOSH periodically presents testimony before various Congressional committees and at OSHA and MSHA rulemaking hearings.

A complete list of occupational safety and health issues for which NIOSH has formal policies (e.g., recommendations for occupational exposure to chemical and physical hazards, engineering controls, work practices, safety considerations, etc.) is scheduled for publication in 1990.

III. HOW TO USE THIS POCKET GUIDE

The *Pocket Guide* has been designed to provide chemical-specific data to supplement general industrial hygiene knowledge. To maximize the amount of data provided in this limited space, abbreviations and codes have been used extensively. These abbreviations and codes, which have been designed to permit rapid comprehension by the regular user, are discussed for each column in the following subsections.

Chemical Name and Structure/Formula, CAS and RTECS Numbers, and DOT ID and Guide Numbers

Chemical Name and Structure/Formula. — The chemical name found in the OSHA General Industry Air Contaminants Standard (29 CFR* 1910.1000) is listed first. The chemical structure or formula is also provided; carbon-carbon double bonds (-C=C-) have been indicated where applicable. A page index for selected synonyms and trade names is included at the back of the *Pocket Guide* to help the user locate a specific substance.

CAS and RTECS Numbers. — Below the chemical structure/formula is the Chemical Abstracts Service (CAS) registry

number. This number, in the format xxx-xx-x, is unique for each chemical and allows efficient searching on computerized data bases. A page index for all CAS registry numbers listed is included at the back of the *Pocket Guide* to help the user locate a specific substance.

Immediately below the CAS number is the *NIOSH Registry of Toxic Effects of Chemical Substances* (RTECS) number, in the format ABxxxxxx. RTECS may be useful for obtaining additional toxicologic information on a specific substance.

DOT ID and Guide Number. — Under the RTECS number are the U.S. Department of Transportation (DOT) identification number and the corresponding guide number. Their format is xxxx xx. The identification number (xxxx) indicates that the chemical is regulated by DOT. The guide number (xx) refers to actions to be taken to stabilize an emergency situation; this information can be found in the DOT 1987 *Emergency Response Guidebook*, DOT P 5800.4 (Office of Hazardous Materials Transportation [DHM-51], Research and Special Programs Administration, U.S. Department of Transportation, 400 Seventh Street S.W., Washington, D.C. 20590).

Synonyms, Trade Names, and Conversion Factors

Common synonyms and trade names are listed alphabetically for each chemical. Factors for the conversion of ppm

*Code of Federal Regulations.

(parts per million parts air) to mg/m³ (milligrams per cubic meter of air) at 68°F and 1 atmosphere are listed for all liquids and gases.

Exposure Limits

The NIOSH RELs are listed first in this column. Unless noted otherwise, RELs are time-weighted average (TWA) concentrations for up to a 10-hour workday during a 40-hour workweek. A short-term exposure limit (STEL) is designated by "ST" preceding the value, unless noted otherwise, the STEL is a 15-minute TWA exposure that should not be exceeded at any time during a workday. A ceiling REL is designated by "C" preceding the value; unless noted otherwise, the ceiling value should not be exceeded at any time. Any substance that NIOSH considers to be an occupational carcinogen is designated by the notation "Ca" (see Appendix A, which contains a brief discussion of occupational carcinogens).

The OSHA permissible exposure limits (PELs), as found in Tables Z-1-A or Z-2 of the OSHA General Industry Air Contaminants Standard (29 CFR 1910.1000), are listed next. Unless noted otherwise, PELs are TWA concentrations that must not be exceeded during any 8-hour work shift of a 40-hour workweek. A STEL is designated by "ST" preceding the value and is measured over a 15-minute period unless noted otherwise.

the specific exposure limits for asbestos, the various chromium compounds, coal tar pitch volatiles, and cotton dust. Appendix D contains a brief discussion of substances with no established RELs.

IDLH

Immediately dangerous to life or health concentrations (IDLHs) represent the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator without experiencing any escape-impairing (e.g., severe irritation) or irreversible health effects. These values were determined during the Standards Completion Program only for the purpose of respirator selection. The notation "Ca" appears in this column for all substances that NIOSH considers to be potential human carcinogens (NIOSH recommends the most protective respirators for exposure to these substances). However, the IDLHs that were originally determined in the Standards Completion Program are shown in brackets following the "Ca" designation (note: carcinogenic effects were not considered in the Standards Completion Program). "Unknown" indicates that because of a lack of data, no IDLH could be determined. "LEL" indicates that the IDLH is based on the lower explosive limit. "N.E." indicates that no evidence could be found for the existence of an IDLH.

OSHA ceiling concentrations (designated by "C" preceding the value) must not be exceeded during any part of the workday; if instantaneous monitoring is not feasible, the ceiling must be assessed as a 15-minute TWA exposure. In addition, beryllium, ethylene dibromide, and methylene chloride (from Table Z-2) have PEL ceiling values that must not be exceeded except for a maximum peak over a specified period. Appendix B contains a brief discussion of carcinogens regulated by OSHA.

The American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) are also listed when they are more restrictive than the OSHA PEL or NIOSH REL. Unless noted otherwise, TLVs are 8-hour TWA concentrations. Ceiling concentrations (which should not be exceeded at any time) are designated by "C". A STEL is designated by "ST" and is measured over a 15-minute period. Where applicable, the ACGIH A1 (confirmed human carcinogen) and A2 (suspected human carcinogen) designations for individual chemicals are included. The ACGIH TLVs for 1989-1990 were used for this printing of the *Pocket Guide*.

Concentrations are given in ppm, mg/m³, or fibers per cubic centimeter (fibers/cm³). The "[skin]" designation indicates the potential for dermal absorption; skin exposure should be prevented as necessary through the use of good work practices and gloves, coveralls, goggles, and other appropriate equipment. Appendix C contains more detailed discussions of

Physical Description

This column provides a brief description of the appearance and odor of each substance. Notations are made as to whether a substance can be shipped as a liquefied compressed gas or whether it has major use as a pesticide.

Chemical and Physical Properties

The following abbreviations are used for the chemical and physical properties given for each substance. "NA" indicates that a property is not applicable, and a question mark (?) indicates that it is unknown.

MW Molecular weight
BP Boiling point at 1 atmosphere, °F
Sol Solubility in water at 68°F, % by weight (i.e., g/100 ml)
F.L.P. Flash point, closed cup (unless annotated "(oc)" for open cup), °F
IP** Ionization potential, eV (electron volts)
VP Vapor pressure at 68°F, mm Hg; "approx" indicates approximately
MLT Melting point for solids, °F
FRZ Freezing point for liquids and gases, °F
UEL Upper explosive limit in air, % by volume (at room temperature)

See footnotes at end of table.

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Chemical name, structure/formula, CAS and RTECS Nos., and DOT ID and guide Nos.	Synonyms, trade names, and conversion factors	Exposure limits (TWA unless noted otherwise)	IDLH	Physical description	Chemical and physical properties		Incompatibilities and reactivities	Measurement method (See Table 1)
					MW, BP, SOL, F.L.P., IP, Sp.Gr., Flammability	VP, FRZ, UEL, LEL		
Hydrogen selenide (as Se) H ₂ Se 7783-07-5 MX1050000	Selenium dihydride, Selenium hydride	NIOSH/OSHA 0.05 ppm (0.2 mg/m ³)	2 ppm	Colorless gas with an odor resembling decayed horse radish.	MW: 81.0 BP: -42°F Sol(73°F): 0.9% F.L.P.: NA(Gas) IP: 9.68 eV	VP: >1 atm FRZ: -87°F UEL: ? LEL: ?	Strong oxidizers, acids, water, halogenated hydrocarbons	None available
2202 18	1 ppm = 3.37 mg/m ³				Flammable Gas			
Hydrogen sulfide H ₂ S 7783-06-4 MX1225000	Hydro-sulfuric acid, Sewer gas, Sulfuretted hydrogen	NIOSH C 10 ppm (15 mg/m ³) [10-min] OSHA 10 ppm (14 mg/m ³) ST 15 ppm (21 mg/m ³)	300 ppm	Colorless gas with a strong odor of rotten eggs. [Note: Sense of smell becomes rapidly fatigued & can NOT be relied upon to warn of the continuous presence of H ₂ S. Shipped as a liquefied compressed gas.]	MW: 34.1 BP: -77°F Sol: 0.4% F.L.P.: NA(Gas) IP: 10.46 eV	VP: >1 atm FRZ: -122°F UEL: 44.0% LEL: 4.0%	Strong oxidizers, strong nitric acid, metal salts	Dry tube/ Mol-sieve, Thermal desorp. GC/FID: III(6) [P&CAM #296]
1053 13	1 ppm = 1.42 mg/m ³				Flammable Gas			
Hydroquinone C ₆ H ₄ (OH) ₂ 123-31-9 MX3500000	1,4-Benzenediol; Dihydroxybenzene; 1,4-Dihydroxybenzene, Quinol	NIOSH C 2 mg/m ³ [15-min] OSHA 2 mg/m ³	Unknown	Light tan, light gray, or colorless crystals.	MW: 110.1 BP: 545°F Sol: 7% F.L.P.: 329°F (Molten) IP: 7.95 eV	VP: 0.00001 mm MLT: 338°F UEL: ? LEL: ?	Strong oxidizers, alkalis	Filter, CH ₃ COOH, HPLC/UVD: III [#5004]
2662 53					Sp.Gr: 1.33 Combustible Solid, dust cloud may explode if ignited in an enclosed area.			
Iodine I ₂ 7553-56-2 NN1575000	Iodine crystals, Molecular iodine	NIOSH/OSHA C 0.1 ppm (1 mg/m ³)	10 ppm	Violet solid with a sharp, characteristic odor	MW: 253.8 BP: 365°F Sol: 0.01% F.L.P.: NA IP: 9.31 eV	VP(77°F): 0.3 mm MLT: 236°F UEL: NA LEL: NA	Ammonia, acetylene, acetaldehyde, powdered aluminum, active metals, liquid chlorine	Char, Na ₂ CO ₃ , IC: III [#6005]
					Sp.Gr: 4.93 Noncombustible Solid			

COMBUSTIBLE GASES

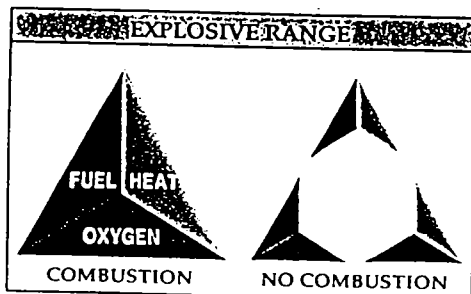


FIGURE 1

In order for combustion to occur, there must be three elements: 1. fuel, 2. oxygen to support combustion and 3. heat or a source of ignition. This is known as the fire triangle (see Figure 1), but if you remove any one of the legs, combustion will not occur.

The percentage of combustible gas in the air is important, too. For example, a manhole filled with fresh air is gradually filled by a leak of combustible gas such as methane or natural gas, mixing with the fresh air. As the ratio of gas to air changes, the

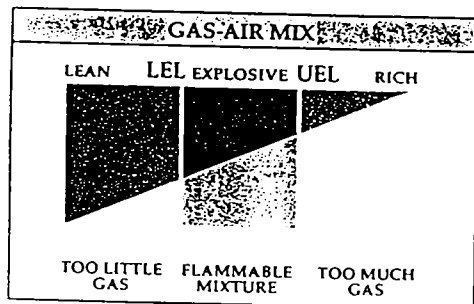


FIGURE 2

sample passes through three ranges: lean, explosive and rich (see Figure 2). In the lean range there isn't enough gas in the air to burn. On the other hand, the rich range has too much gas and not enough air. However, the explosive range has just the right combination of gas and air to form an explosive mixture. Care must be taken, however, when a mixture is too rich, because dilution with fresh air could bring the mixture into the flammable or explosive range. An analogy is the

automobile that won't start on a cold morning (a lean atmosphere because the liquid gasoline has not vaporized sufficiently), but can be flooded with too much gasoline (a rich atmosphere with too much vaporization). Eventually, when the right mixture of gas and air finally exists (explosive), the car starts.

TOXIC GASES

The physiological effects of the following toxic gases common to confined spaces are approximations and will vary according to the health or activity of the individual exposed.

Carbon Monoxide (CO)

A colorless, odorless gas generated by the combustion of common fuels with an insufficient supply of air or where combustion is incomplete. It is often released by accident or improper maintenance or adjustment of burners or flues in confined spaces and by internal combustion engines.

Called "the silent killer," CO poisoning may occur suddenly.

PPM Level	Physiological Effect
200 ppm for 3 hours or 600 ppm for 1 hour	Headache and discomfort.
500 ppm for 1 hour or 1000 ppm for 30 minutes	Pounding of heart, dull headache, dizziness, flashes before eyes, ringing in ears, nausea.
1500 ppm for one hour	Dangerous to life.
4000 ppm	Rapid collapse, unconsciousness and death within a few minutes.

Hydrogen Sulfide (H₂S)

This colorless gas smells like rotten eggs, but the odor cannot be taken as a warning because sensitivity to smell disappears quickly after breathing only a small quantity of the gas. It is often found in sewers or sewage treatment facilities and in petrochemical operations. In addition, H₂S is flammable and explosive in high concentrations.

Sudden poisoning may cause unconsciousness and respiratory arrest. In less sudden poisoning, symptoms are nausea, stomach distress, eye irritation, belching, coughing, headache and blistering of lips.

PPM Level	Physiological Effect
18 - 25 ppm	Eye irritation.
75 - 150 ppm for several hours	Slight eye, respiratory irritation.
170 - 300 ppm for 1 hour	Marked irritation.
400 to 600 ppm for 1/2 - 1 hour	Unconsciousness, death.
1000 ppm	Fatal in minutes.

Sulfur Dioxide (SO₂)

The combustion of sulfur or compounds containing sulfur produces this pungent, irritating gas. Severe exposures may result from loading and unloading tank cars, cylinders or lines either rupturing or leaking, and fumigation aboard ships.

PPM Level	Physiological Effect
1 - 10 ppm	Respiratory and pulse rates increase, depth of respiration decreases.

Ammonia (NH₃)

A strong irritant that can produce sudden death from bronchial spasms. Small concentrations that do not produce severe irritation are rapidly passed through the respiratory tract and metabolized so that they no longer act as ammonia. If you've ever taken a "whiff" of a household cleaning solution and had it "take your breath away," you have a good idea of the problems that a more severe industrial exposure can present.

Ammonia can be explosive if the contents of a tank or refrigeration system are released into an open flame.

PPM Level	Physiological Effect
300 - 500 ppm for 30 - 60 minutes	Maximum short exposure tolerance. Eye and respiratory irritation.
400 ppm	Throat irritation.
2500 - 6000 ppm for 30 min.	Dangerous to life.
5000 - 10,000 ppm	Fatal.

Exposure Levels for Selected Toxic Gases

Substance	Threshold Limit Value (PPM)	Short Term Exposure Limit (PPM)	OSHA Permissible Exposure Limit (PPM)
Carbon Monoxide	25	—	50
Hydrogen Sulfide	10	15	10
Sulfur Dioxide	2	5	5
Ammonia	25	35	50
Hydrogen Cyanide	10	—	10
Benzene	10**	—	1 (5†)
Toluene	50	—	200
Xylene	100	150	100

* 1992-93 Threshold Limit Values published by American Conference of Governmental Industrial Hygienists.

**Suspected human carcinogen.

† Short term exposure limit.

Hydrogen Cyanide or Hydrocyanic Acid (HCN)

An extremely rapid poison which interferes with the respiratory system of the body's cells and causes chemical asphyxia. Liquid HCN is an eye and skin irritant.

Aromatic Hydrocarbons (i.e. Benzene, Toluene, Xylene)

Benzene: a colorless, flammable, volatile liquid with a rather pleasant aromatic odor. Chronic poisoning may occur after breathing comparatively small amounts over a period of time. First sign is exhilaration, followed by sleepiness, dizziness, vomiting, trembling, hallucinations, delirium and unconsciousness.

Toluene: a colorless, flammable liquid whose rather strong aromatic odor warns of high concentrations. It produces extreme fatigue, mental confusion, exhilaration, nausea, headache and dizziness.

Xylene: a solvent mixture that resembles benzene in many chemical and physical properties.

Transmit Confirmation Report

No. : 001
Receiver : 8-1-813-856-0007
Transmitter : WASTE MGT TAMPA SWDIST
Date : May 23 97 8:53
Time : 03'42
Mode : Norm
Pages : 05
Result : OK

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. VINCE MAMELA
2. DASCO County UTILITIES
3. UTILITIES Bldg, S-213
4. 7530 LITTLE ROAD

Remarks:

NEW PORT RICHEY, FL
 34654

H₂S
 info

From:

fam

Date

5/23/97

Phone

on

Virginia B. Wetherell
 Secretary

1 Facility

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suggest you call
 of Health at
 Protection (DEP)
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 lary. Hydrogen

... can be detected in extremely small quantities by the human nose more readily than most gas meters, but is not a health hazard except in high concentrations primarily in a confined space. Attached are standards related to hydrogen sulfide for your information. Please contact your local Department of Health office for more information on health effects.



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 12, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

Re: **Leachate Treatment Facility**
Certification of Construction Completion
Permit No.: SC51-277316, Pasco County

Dear Mr. Mannella:

On May 9, 1997, an inspection of the above referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Vince Mannella (Pasco County), Darwish El-Hajji and Craig Osmanski (CDM) and Kim Ford (FDEP).

Certification of Construction Completion dated May 6, 1997 was received by the Department on May 6, 1997. Based on the certification and related report submitted May 6, 1997 and the construction inspection, FDEP approves the certification of the leachate treatment facility in accordance with the conditions of the current permit #SC51-277316.

Operation of the leachate treatment facility is authorized by the current construction permit and is subject to its conditions. Discharge from the tank to the treatment facility is allowed. Certification of Construction Completion for the leachate storage tank was approved by FDEP's March 28, 1997 letter.

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

Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

pb

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date:

5/13/97

Number of pages including cover sheet:

2

To:

TARWBIT E.S.

CDM

Phone:

2812900

Fax phone:

2888787

CC:

From:

Ann Ford

Phone:

(813) 744-6100

x382

Fax phone:

(813) 744-6125

REMARKS:

☐ Urgent

☐ For your review

☐ Reply ASAP

☐ Please comment

1/over copy of
APPROVAL OF
CERTIFICATIONS

tax
for



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

May 12, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

**Re: Leachate Treatment Facility
Certification of Construction Completion
Permit No.: SC51-277316, Pasco County**

Dear Mr. Mannella:

On May 9, 1997, an inspection of the above referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Vince Mannella (Pasco County), Darwish El-Hajji and Craig Osmanski (CDM) and Kim Ford (FDEP).

Certification of Construction Completion dated May 6, 1997 was received by the Department on May 6, 1997. Based on the certification and related report submitted May 6, 1997 and the construction inspection, FDEP approves the certification of the leachate treatment facility in accordance with the conditions of the current permit #SC51-277316.

Operation of the leachate treatment facility is authorized by the current construction permit and is subject to its conditions. Discharge from the tank to the treatment facility is allowed. Certification of Construction Completion for the leachate storage tank was approved by FDEP's March 28, 1997 letter.

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

Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

fb

Transmit Confirmation Report

No. : 004
Receiver : 9-288-8787
Transmitter : WASTE MGT TAMPA SWDIST
Date : May 13 97 12:48
Time : 01'04
Mode : Norm
Pages : 02
Result : OK

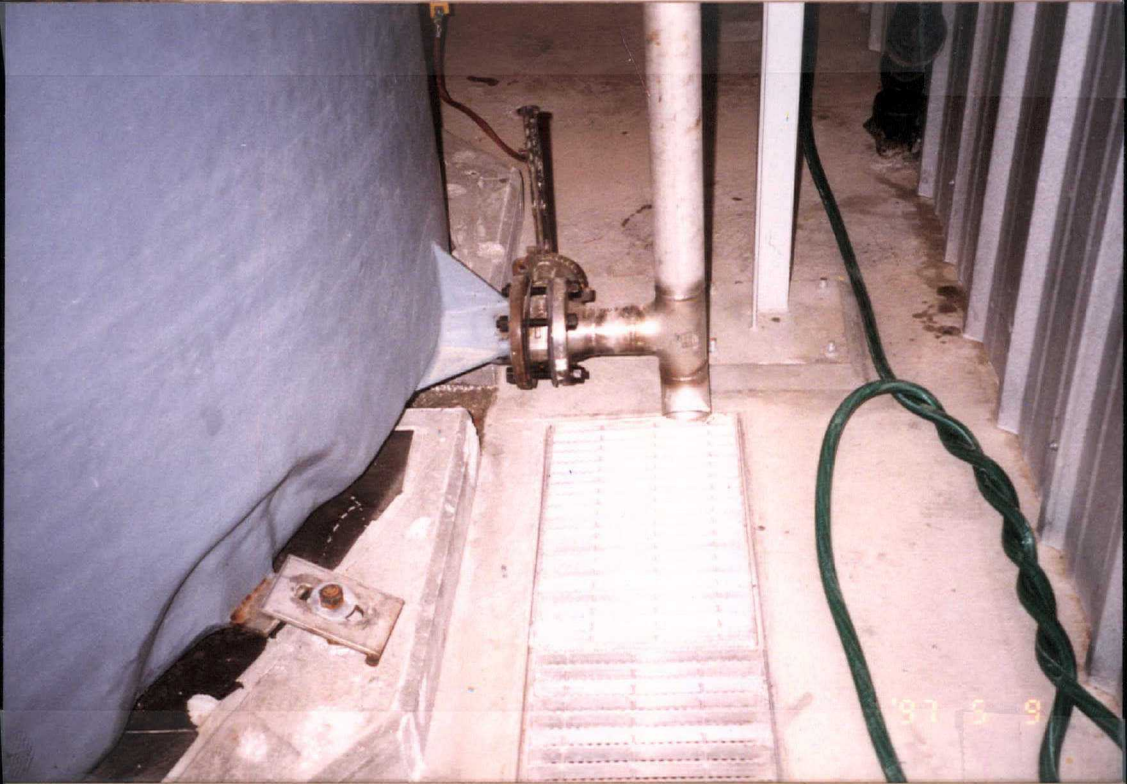
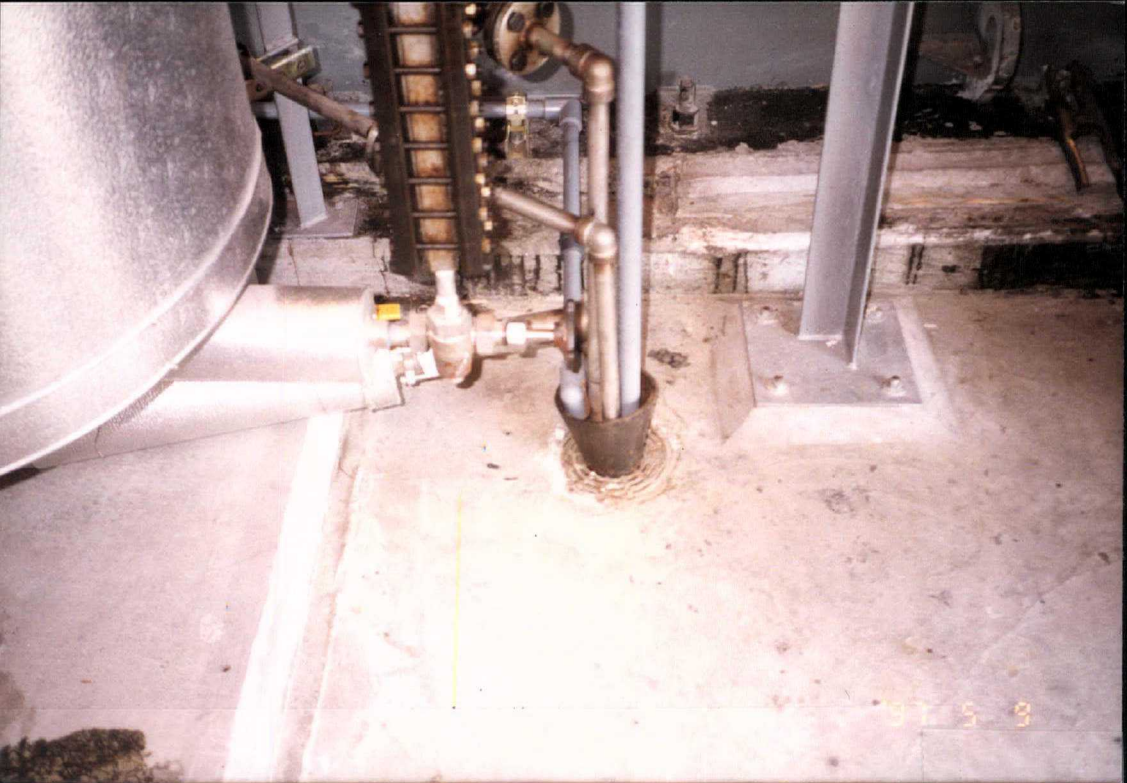
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
3804 COCONUT PALM DR.
TAMPA, FLORIDA 33619

W. J. Pascoe
12/14/71

Protecting Florida and Your Quality of Life



W PASCO
T P
KAR



W PASCO
TP
CNR

W PASCO
TP
CNR

W PASCO
TP
CNR



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

SITE INSPECTION REPORT

NAME OF SITE: W PASCO TREATMENT PLANT DATE: 5/9/97
SITE ADDRESS/LOCATION: HAYS ROAD
CITY: SPRINGHILL PERMIT #: SC51-277316

REASON FOR VISIT:

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

PERSONS PRESENT: Vince M. Darwisat & CRAIG D. (CDM)
BRUCE & RICK (RSC), Kim Ford

SUMMARY REPORT:

OBSERVED LEACHATE TREATMENT PLANT
ALL EQUIPMENT READY FOR USE
TRENCH & FLOOR DRAINS COMPLETED
REQUEST MADE TO fill sump in evaporator
WITH LEACHATE. I SAW OIL. TRUST
WATER TO BE REMOVED OVER WEEKENDS,
then sump filters WITH LEACHATE AND
EVAPORATION TO BE HEATED FOR 2-3 DAYS
WILL BE READY FOR FULL OPERATION. POSSIBLY
BE FRIDAY NEXT WK. (5/16/97)
LEACHATE TANK FULL. VALVES FROM A1-A2 WILL BE
TEMPORARILY CLOSED UNTIL TP IS IN FULL
VIOLATIONS NOTED: operation (2 wks)

DEP REPRESENTATIVE: [Signature]



PASCO COUNTY, FLORIDA

VINCENT MANNELLA, P.E.
Solid Waste Facility Manager

7536 State St.
New Port Richey, FL 34854

PHONE 813-856-0119

FAX 813-856-0007

DATE: MAY 9, 1997

TO: Kim Ford P.E.

COMPANY: Florida Dept. of Environmental Protection

TELECOPIER TEL. NO.: 813-744-6084

FROM: Vince Mannello

CLIENT/MATTER NO.: 813-856-0007

TOTAL NO. OF PAGES TRANSMITTED (INCLUDING COVER LETTER): 1

MESSAGE: Pursuant to our meeting today be advised that Leachate in Disposal Units A-1 & A-2 is being retained in the Disposal Units. The leachate 2MG holding crom tanks is at capacity. This is a temporary situation that should last for 2 weeks. The Leachate plant is coming on line & retention will not be required in the Disposal cells once plant is on line.

DATE: MAY 9, 1997

TIME: 13:00 HRS.

PLEASE CALL BACK AS SOON AS POSSIBLE
IF YOU DO NOT RECEIVE ALL OF THE PAGES INDICATED

TELECOPIER OPERATOR:



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787



May 6, 1997

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

Subject: Pasco County, Florida
Leachate Treatment Facility
CDM Project No. 6104-31

D.E.P.

MAY - 6 1997
SOUTHWEST DISTRICT
TAMPA

Dear Mr. Ford:

On behalf of Pasco County and as stated in our letter dated February 4, 1997, CDM is submitting the attached certification report for the leachate treatment facility. The construction of the treatment facility is now substantially complete and the contractor is currently ensuring all equipment is functioning properly prior to running leachate through the system.

As requested, this report includes the FDEP Certification of Construction Completion of a Solid Waste Management Facility, Hydrostatic Test Reports for Piping, Vessels and Tanks, Subgrade Density Test Reports, Concrete Compressive Strength Reports, Limerock and Asphalt Test Reports, System Description and Process Flow Diagrams and CDM As-Built Drawings.

We trust that this report meets FDEP's requirements to convert the Construction Permit for the leachate treatment facility to an Operation Permit. If you have any questions or comments, please call me.

Please call if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.

Darwish El-Hajji, P.E.

cc: V. Mannella, Pasco County, (w/enclosure)
D. Strobridge, CDM, (w/o enclosure)



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations


1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787



RECEIVED
MAR 31 1997

Department of Environmental Protection
BY _____
SOUTHWEST DISTRICT

March 27, 1997


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

Subject: Pasco County, Florida
Leachate Storage Tank and Treatment Facility
CDM PN: 6104-13442
FDEP Construction Permit No. SC51-277316

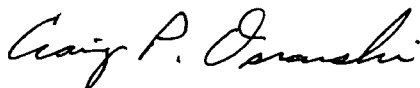
Dear Mr. Ford:

As requested, please find enclosed one copy of the HDPE liner warranties from GSE Lining Technology, Inc. and Comanco Environmental Corporation.

Please do not hesitate to call if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.



Craig P. Osmanski, P.E.

c: V. Mannella
R. Walker
D. El-Hajji
D. Strobridge

**SE LINING TECHNOLOGY, INC.
LIMITED MATERIAL (20 YEAR PRO-RATA) WARRANTY**

Warranty No: PAS2979
Project No.: DS2854
Effective Date: JANUARY 31, 1997

PURCHASER NAME: PASCO COUNTY
CITY, STATE: PASCO COUNTY, FLORIDA

PROJECT NAME: PASCO COUNTY SECONDARY CONTAINMENT
CITY, STATE: PASCO COUNTY, FLORIDA

GEOMEMBRANE TYPE/DESCRIPTION HYPERFLEX® 60 mil

GSE Lining Technology, Inc. ("GSE") warrants each GSE geomembrane to be free from manufacturing defects (as defined by the contract's material specifications) and to be able to withstand normal weathering for a period of twenty (20) years from the above effective date for normal use in approved applications.

This Limited Warranty does not include damages or defects in the GSE geomembrane resulting from acts of God, casualty or catastrophe, including but not limited to: earthquakes, floods, piercing hail, tornadoes or force majeure. The term "normal use" as used herein does not include, among other things, the exposure of GSE geomembranes to harmful chemicals, abuse of GSE geomembranes by machinery, equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source. GSE geomembrane material warranty is intended for commercial use only and is not in effect for the consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statutes. The parties expressly agree that the sale hereunder is for commercial or industrial use only.

Should defects or premature loss of use within the scope of the above Limited Warranty occur, GSE will, at its option, repair or replace the GSE geomembrane on a pro-rate basis at the current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. GSE will have the right to inspect and determine the cause of any alleged defect in the GSE geomembrane and to take appropriate steps to repair or replace the GSE geomembrane if a defect exists which is covered under this warranty. This Limited Warranty extends only to GSE geomembrane, and does not extend to the installation service of GSE or third parties.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the President of GSE within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have rights under this warranty. GSE shall not be obliged to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of GSE geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse GSE for its costs associated with the site inspection.

... the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as GSE determines to have violated the warranty provided herein. GSE shall not be liable for direct, indirect, special, consequential or incidental damages resulting from a breach of this warranty including, but not limited to, damages for loss of production, lost profits, personal injury or property damage. GSE shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications or alterations made by Purchaser unless GSE specifically authorized, in writing, said repairs, replacements, modifications or alteration in advance of them having been made. GSE's liability under this warranty shall in no event exceed the replacement cost of the material sold to the purchaser for the particular installation in which it failed.

GSE neither assumes nor authorizes any person other than the undersigned of GSE to assume for it any other or additional liability in connection with the GSE geomembrane made on the basis of the Limited Warranty. The Limited Warranty on the GSE geomembrane herein is given in lieu of all other possible material warranties, either expressed or implied, and by accepting delivery of the material, Purchaser waives all other possible warranties, except those specifically given.

Limited Warranty is extended to the purchaser/owner and is non-transferable and non-assignable; i.e., there are no third party beneficiaries to this warranty.

Purchaser acknowledges by acceptance that the Limited Warranty given herein is accepted in preference to any and other possible materials warranties.

GSE LINING TECHNOLOGY, INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

GSE LINING TECHNOLOGY, INC.'S WARRANTY BECOMES AN OBLIGATION OF GSE LINING TECHNOLOGY, INC.
TO PERFORM UNDER THE WARRANTY ONLY UPON RECEIPT OF FINAL PAYMENT.

I hereby state that I have read and understood the above and foregoing Limited Material Warranty and agree to such by signing hereunder.

DATE: FEBRUARY 7, 1997

GSE LINING TECHNOLOGY, INC.:

Carolyn Gregor
President or
Authorized Representative

PURCHASER NAME: _____

SIGNATURE: _____

TITLE: _____

ROLL NUMBERS: AH5924 AH5945 AH5956 AH5958 AH5961
AH6039 AH6042 AH6043 AH6045 AH6050



ENVIRONMENTAL CORPORATION

LIMITED WARRANTY

PROJECT:	PASCO CTY LEACHATE STORAGE TANK & TREATMENT, PROJECT #96-328
OWNER:	WHARTON-SMITH, INC.
CONTRACT AMOUNT:	\$58,378.09

COMANCO ENVIRONMENTAL CORPORATION ("COMANCO"), subject to the terms and conditions set forth below, warrants the above referenced installation shall be installed free from defects in workmanship for a period of two (2) years from the date the installation is completed. This Limited Warranty extends only to the proper installation of the lining system and does not include damages or defects in the installation caused by entities other than COMANCO or resulting from Acts of God or casualty or catastrophe, including but not limited to, earthquakes, fire, floods, hail, tornados, hurricanes, tropical storms, winds, other events of force majeure or vandalism. Further, this Limited Warranty does not include damages or defects in the installation resulting from exposure to harmful chemicals, abuse by machinery, equipment or people, excessive pressures or stresses from any source, subsurface or overburdened soil conditions, total or differential soil settlements, or any other cause not within COMANCO's control.

The extent of COMANCO's liability for breach of this Limited Warranty shall be limited to repairing or replacing the defective installation workmanship that will result in providing the Owner with the pro-rated performance remaining under the original period of this Limited Warranty. COMANCO shall have the right to inspect and determine the cause of any alleged defect in the installation and to take the appropriate steps to repair or replace the installation workmanship if a defect exists and is within the terms of this Limited Warranty.

This Limited Warranty will not be effective unless COMANCO receives written notice, by certified mail, to the President of COMANCO within thirty (30) days after the alleged defect is first discovered or should have been discovered by the Owner. Should the required notice not be given, the defect and all warranties shall be deemed to have been waived by Owner and Owner shall have no right of recovery against COMANCO. In the event repairs or replacement are to be effected, said repairs and/or replacements shall not become due until the area subject to repair or replacement is made available to COMANCO in a clean, dry, unencumbered condition. This includes, but is not limited to, the repair or replacement area being free from all water, dirt, sludge, waste, residuals, liquids, or overlying material of any kind. In no event will COMANCO be liable for any costs expended by any person or entity other than COMANCO on any defective work with respect to the installation. Any repairs, replacements or alterations which affect COMANCO's original installation work will void this Limited Warranty.

Notwithstanding anything herein to the contrary, COMANCO's liability under this Limited Warranty shall in no event exceed the Contract Amount above stated. Further, under no circumstances, shall COMANCO be liable for any special, direct, indirect or consequential damages arising from loss of production or product, or any other losses, including losses due to personal injuries and product liability owing to the failure of the material or installation. Owner shall be deemed to have waived its rights under this Limited Warranty with respect to any repairs, replacements or alterations made by Owner without the express written consent of COMANCO. COMANCO neither assumes nor authorizes any person other than an officer of COMANCO to assume for it any other or additional liability in connection with the installation. This Limited Warranty is extended to Owner only and is non-transferable and non-assignable. No rights against COMANCO will survive an attempted transfer or assignment.

THE LIMITED WARRANTY HEREIN IS GIVEN IN LIEU OF ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED. BY ACCEPTING THE INSTALLATION, OWNER WAIVES ALL OTHER SUCH POSSIBLE WARRANTIES OR REPRESENTATIONS, EXCEPT THOSE SPECIFICALLY GIVEN HEREIN. CORRECTION OF NONCONFORMITIES, IN THE MANNER AND FOR THE PERIOD OF TIME PROVIDED ABOVE, SHALL CONSTITUTE FULFILLMENT OF ALL LIABILITIES OF COMANCO TO OWNER, WHETHER BASED ON CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE WITH RESPECT TO OR ARISING OUT OF THE INSTALLATION OF THE LINING SYSTEM. THE PARTIES HERETO EXPRESSLY AGREE THAT THE SALE HEREUNDER IS FOR COMMERCIAL OR INDUSTRIAL USE ONLY. WARRANTIES, IF ANY, CONCERNING THE MATERIALS INCORPORATED INTO THE LINING SYSTEM ARE COVERED, IF AT ALL, BY SEPARATE WARRANTIES FROM THE MANUFACTURERS OR SUPPLIERS OF SUCH MATERIALS AND ARE EXPRESSLY EXCLUDED FROM THE SCOPE OF THIS LIMITED WARRANTY AND OWNER ACKNOWLEDGES AND AGREES THAT COMANCO HAS MADE NO WARRANTIES OR REPRESENTATIONS TO IT CONCERNING EITHER THE AVAILABILITY OR SUFFICIENCY OF ANY SUCH WARRANTIES OR REPRESENTATIONS FROM MANUFACTURERS OR SUPPLIERS.

EXCEPT AS EXPRESSLY STATED ABOVE, COMANCO MAKES NO WARRANTY OF ANY KIND AND HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE INSTALLATION OF THE LINING SYSTEM, BOTH EXPRESSED AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

No terms or conditions other than those stated herein and no agreement or understanding, oral or written and no course of conduct or performance in any way purporting to modify this Limited Warranty or to waive COMANCO's rights hereunder shall be binding on COMANCO unless the same shall be clearly described in writing that refers to this Limited Warranty and is signed by an officer of COMANCO. Additional liabilities created by other documents shall have no force or effect upon this Limited Warranty or the installation performed by COMANCO. The laws of the State of Florida will govern the rights and duties of the parties under this Warranty. Venue for all proceedings involving this Limited Warranty or any other matter contained herein shall be in Hillsborough County, Florida.

COMANCO ENVIRONMENTAL CORPORATION

BY: 

TITLE: Executive Vice President DATE: March 11, 1997

COMANCO



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

March 28, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

**Re: Leachate Storage Tank
Certification of Construction Completion
Permit No.: SC51-277316, Pasco County**

Dear Mr. Mannella:

On March 18, 1997, an inspection of the above referenced facility relative to construction completion and adherence to the permit issued by the Florida Department of Environmental Protection (FDEP) was made by Vince Mannella and Ron Walker (Pasco County), Darwish El-Hajji and Craig Osmanski (CDM) and Kim Ford (FDEP).

Certification of Construction Completion dated January 27, 1997 was received by the Department on February 4, 1997. The certification does not cover the leachate treatment facility. Based on the certification and related report submitted February 4, 1997, the construction inspection, the results from pumping the leak detection system, and supporting information by CDM dated March 27, 1997, FDEP approves the certification of the leachate storage tank in accordance with the conditions of the current permit #SC51-277316.

Operation of the leachate storage tank is authorized by the current construction permit and is subject to its conditions. There shall be no discharge from the tank allowed after leachate is initially received into the tank unless specifically approved by the Department. The Department is awaiting certification of construction completion for the leachate treatment facility.

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

Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

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

FDEP

3804 Coconut Palm Drive, Tampa, FL 33619-8318

FAX

FAXED

Date: 3/28/97

Number of pages including cover sheet: 2

To:

Vince Mamedia

Phone:

(813) 856 0119

Fax phone:

(813) 856 0007

CC:

From:

Kim Boon

Phone:

(813) 744-6100

x 382

Fax phone:

(813) 744-6125

REMARKS:

☐

Urgent

☐

For your review

☐

Reply ASAP

☐

Please comment

APPROVAL OF TANK CERTIFICATION

TODAY IS THE LAST DAY OF THE 2 WEEKS
OF STORING LEACHATE IN A-1 AND A-2
SO IT MUST BE RELEASED INTO THE
TANK. TODAY

THANK YOU FOR YOUR COOPERATION
KIM



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

March 28, 1997

Mr. Vince Mannella, P.E.
Pasco County Utilities Services
Utilities Building, S-213
7530 Little Road
New Port Richey, FL 34654

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Certification of Construction Completion
Permit No.: SC51-277316, Pasco County

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Sincerely,

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

KBF/ab

cc: Douglas Bramlett, Pasco County
Darwish El-Hajji, P.E., CDM
Robert Butera, P.E., FDEP Tampa

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

Transmit Confirmation Report

No. : 002
Receiver : 8-1-813-856-0007
Transmitter : WASTE MGT TAMPA SWDIST
Date : Mar 28 97 10:31
Time : 01'22
Mode : Norm
Pages : 02
Result : OK



PASCO COUNTY, FLORIDA

DADE CITY (352) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8145
FAX (813) 847-8064

UTILITIES OPERATIONS AND
MAINTENANCE DEPARTMENT
PUB. WKS./UTILITIES BLDG., S-205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

April 1, 1997

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

RE: Pasco County Leachate Management Facility/
Two-Million-Gallon Leachate Holding Tank

RECEIVED
APR 02 1997
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Dear Mr. Ford:

Pursuant to your request, the following data is submitted:

1. Volume of water contained by the secondary containment:
 - a. 3/21/97 - 50 gpm, then five gallons eight to ten minutes per hour.
 - b. 3/24/97 - 20 gpm, then five gallons 15 to 18 minutes.
 - c. 3/26/97 - (New) 50 gpm pump purchased by Pasco County pumped for 20 seconds and then the pump cavitated; tried 20-30 minutes later, pump still cavitated. Secondary containment is empty.
 - d. We will try once again on April 31, 1997.
2. Once tank contains leachate, all pumping from secondary liner will be considered as leachate and will be handled as such. Detailed method of handling will follow shortly, as soon as plan is formulated for your (Department) approval.

I believe we are ready to receive and store leachate in the two-million-gallon holding tank as soon as certification is possible.

I believe the pumping of the secondary liner on April 31, 1997, will prove to be zero gallons, or slightly more. That water, if any, and if certification is granted, will be transported to Disposal Unit A-2, then to the leachate holding tank for processing in the Leachate Management Plant. This handling process will be temporary until a more efficient plan is formulated.

Talked with Camp Dresser & McKee Inc. and the data you requested should have been delivered by March 27, 1997.

I trust we have responded to your inquiries in a manner sufficient to your needs.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Vincent Mannella', written over the typed name.

Vincent Mannella, P.E.
Solid Waste Facility Manager

VM/s033106:ltr

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)



PASCO COUNTY, FLORIDA

VINCENT MANNELLA, P.E.
Solid Waste Facility Manager

7636 State St.
New Port Richey, FL 34864

PHONE 813-856-0119
FAX 813-856-0007

DATE: 3- 31- 97

TO: VIM FORD PE

COMPANY: F OEP

TELECOPIER TEL NO.: 813 - 744 - 6129

FROM: VINCE

CLIENT/MATTER NO.: 2 M.G. Leachate Storage Tanks

TOTAL NO. OF PAGES TRANSMITTED (INCLUDING COVER LETTER): 1

MESSAGE: STARTED PUMPING FROM A-1 & A-2; 3-28-97
@ APPROX 10:45 HRS. PUMPED CONTINUOUSLY 3/28; 3/29
3/30 & 3/31 A-1 CAN NOW BE SEEN. A-2 HAS NO
STANDING WATER @ 07:15 HRS 3/31/97. WE HAD RAIN
ALL NITE D-1 IN SW-1 NO PONDING WATER. HOLDING
TANK SHOWS 5.0 FT OF LEACHATE. ALL VALVES TO
PLANT SHUT, ELECTRIC TO PUMP DISCONNECTED. ALL
WELL. HERE

DATE: 4-1-97

TIME: 08:15 HRS.

PLEASE CALL BACK AS SOON AS POSSIBLE
IF YOU DO NOT RECEIVE ALL OF THE PAGES INDICATED

TELECOPIER OPERATOR:

P.S. AS OF 07:00 HRS 4-1-97 PUMPED 246,000 GALS

/C DOUG BRAMLETT



Camp Dresser & McKee Inc.

consulting
engineering
construction
operations

1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787



March 27, 1997

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

Subject: Pasco County, Florida
Leachate Storage Tank and Treatment Facility
CDM PN: 6104-13442
FDEP Construction Permit No. SC51-277316



Dear Mr. Ford:

Enclosed are signed and sealed as-built drawings of the Crom tank, and cut sheets for the geotextile fabric, gravel and sand around the 4-inch PVC leak detection pipe. The leak detection system was installed in a gravel pack and wrapped with a geotextile fabric. A layer of select sand was then installed on top of the detection pipe. Enclosed are copies of pictures showing the select sand and the gravel pack that were used. The gravel is a granitic rock similar to the type of rocks used for railroad track beds and is imported from Macon, Georgia.

PSI indicated in their geotechnical report numbers 390-60054-1, 6, 8, 9 and 26, that the structural sand fill material under the tank had a trace of roots. The lower secondary liner subgrade was hand raked to ensure that no foreign material (roots, sticks, sharp objects, etc.) was present before the liner was placed. This subgrade was carefully inspected by CDM and the contractor before the 60-mil HDPE liner was installed, as indicated on the subgrade acceptance forms in Appendix C of the documentation submittal. The sand fill material was placed in 6- to 9-inch lifts with densities taken at 1-foot elevations. The material was inspected as it was spread over the liner and on each lift. Some small traces of roots may have been present on the intermediate lifts, however, we feel clean sand material was placed over the liner system. Photographs of the backfill operations can be made available at your request.

The following should clarify your concerns regarding the density locations/elevations for the sand fill material below the storage tank and on the perimeter berm. PSI report no. 390-60054-1, test nos. 1 and 2 are 4 feet below the bottom of the storage tank or 1 foot above the secondary liner. PSI report no. 390-60054-6, test nos. 1, 2, 3 and 4 are also 4 feet below the bottom of the storage tank or 1 foot above the secondary liner. PSI report no. 390-60054-8, test nos. 1 and 2 are taken 1 to 2 feet above the secondary liner and test nos. 3 and 4 are taken on the first 1 foot of fill material over the secondary liner. Under remarks of the report, 0 = Bottom of Tank is incorrect and should read 0 = 5 Feet Below the Bottom of the Tank. PSI report no. 390-60054-9, test nos. 1, 2, 3, 4, 5 and 6 are measured in elevation from 5 feet below the storage tank. Under remarks of the report, 0 = Bottom of Tank is incorrect and should read 0 = 5 Feet Below the Bottom of the Tank. PSI report nos. 390-60054-23 and 26 are correct. The elevation distance is feet from existing or natural grade.

Mr. Kim Ford
March 27, 1997
Page 2

As we discussed, the original liner warranties will be forwarded to you under separate cover when they are received from the general contractor. After further review of CDM and Comanco Environmental Corporation's (Comanco's) records, the liner panel labeled roll no. AH5942 should read roll no. AH6042 as indicated on the attached letter from Comanco dated March 26, 1997 and the revised as-built sketch.

Please let me know if any additional information is required at this time so that the storage tank and liner system can be approved by FDEP.

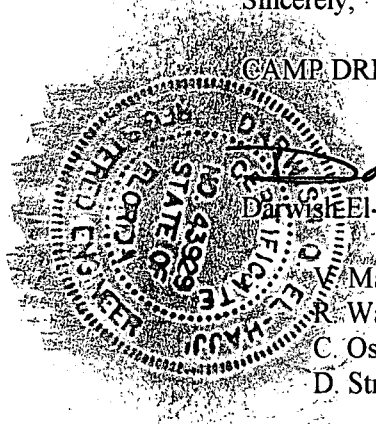
Please do not hesitate to call if you have any questions.

Sincerely,

CAMP DRESSER & MCKEE INC.


Darwish El-Hajji, P.E.

V. Mannella
R. Walker
C. Osmanski
D. Strobridge





**CLEAN SELECTIVE SAND FILL
FOR LEAK DETECTION SYSTEM**



**STRUCTURAL FILL PLACED OVER LEAK
DETECTION SAND**



LEAK DETECTION GRANITIC ROCKS
WRAPPED IN GETOEXTILE FABRIC

**ENVIRONMENTAL CORPORATION**

March 26, 1997

Mr. Craig Osmanski
Camp Dresser & McKee, Inc.
1715 North Westshore Blvd., Ste 875
Tampa, FL 33607

**RE: PASCO COUNTY LEACHATE - TANK LINER
QUALITY CONTROL CLARIFICATION**


Dear Mr. Osmanski,

There is an error in our as-built drawing for the above referenced project. Panel numbers 63 and 64 are labeled with manufacturer roll number AH5942. The correct manufacturer roll number for panel 63 and 64 is AH6042. I have enclosed a marked-up copy of this drawing for your use.

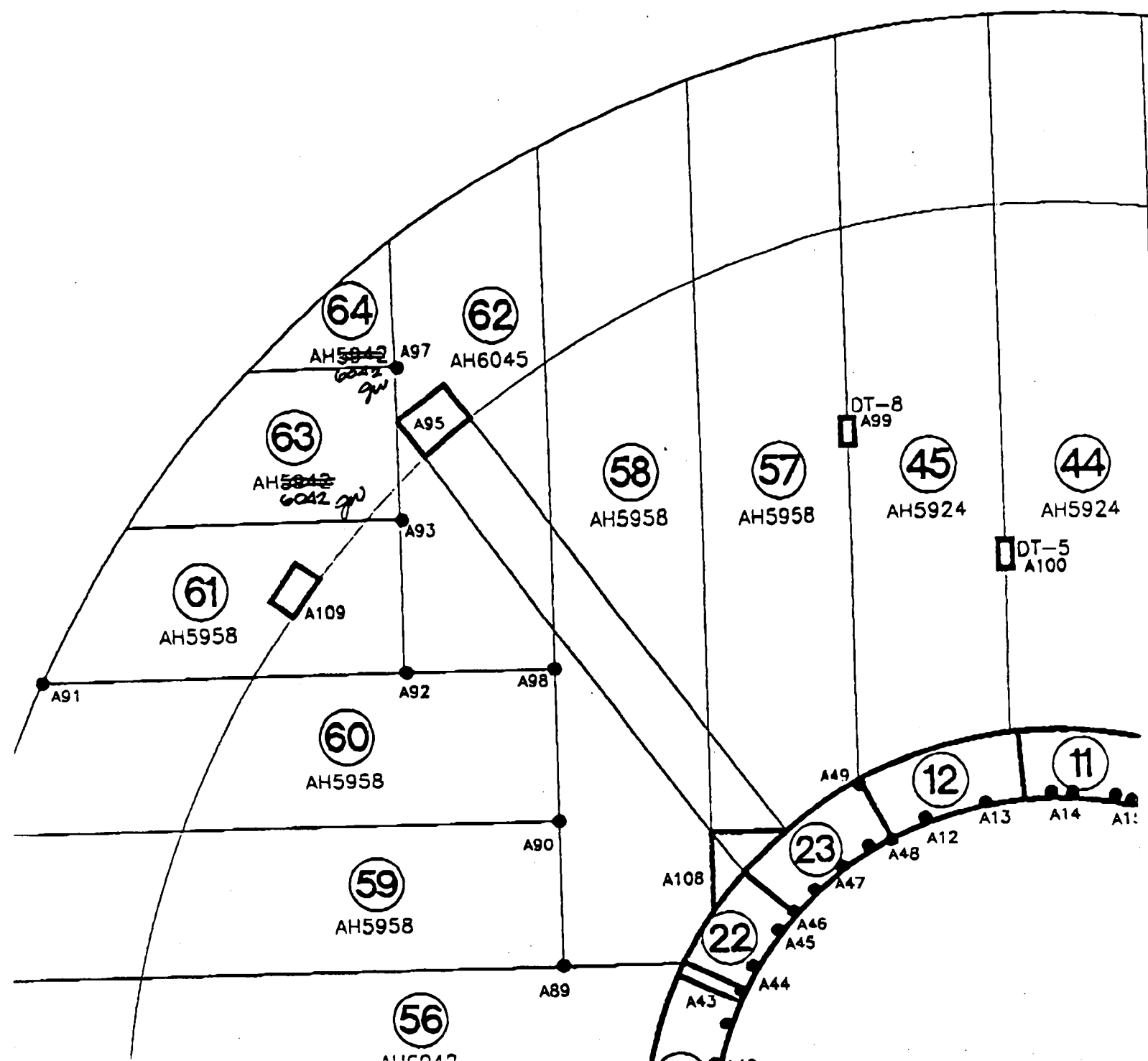
If there are any questions, please call.

Sincerely

COMANCO ENVIRONMENTAL CORPORATION


Joseph E. Whalen
Project Engineer

Attachment



Trevira® Spunbond nonwoven engineering products are highly needled fabrics with excellent tensile properties, high filtration potential and outstanding permeability.

Trevira® Spunbond Type 11 products are 100% continuous filament polyester nonwoven needlepunched engineering fabrics. They deliver a combination of advantages unmatched by any other spunbonded geotextiles. They're resistant to freeze-thaw, soil chemicals and ultraviolet light exposure.

Trevira® Spunbond nonwoven engineering fabrics offer excellent performance where the requirement is tensile reinforcement, planar flow, filtration, or separation. They are ideal for roadways, railbeds, drainage systems, lining systems, retaining walls. And much more.

The information contained herein is offered free of charge, and is, to our best knowledge, true and accurate; however, all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. There is no expressed warranty and no implied warranty of merchantability or of fitness for purpose of the product or products described herein. In submitting this information, no liability is assumed or license or other rights implied given with respect to any existing or pending patent, patent applications or trademarks. The observance of all legal regulations and patents is the responsibility of the user.

TYPICAL PHYSICAL PROPERTIES OF TREVIRA® TYPE 11 PRODUCTS

Fabric Property	Unit	Test Method	011/120	011/140	011/200	011/250	011/280	011/350	011/420	011/450	011/550
Fabric Weight	oz/yd ²	ASTM D-5261	3.5	4.2	6.0	7.5	8.5	10.5	12.4	13.5	16.5
Fabric Thickness, t	mils	ASTM D-5199	60	70	90	110	120	140	165	170	210
Grab Strength (MD/CD) ^a	lbs	ASTM D-4632	120/105	150/125	230/180	300/235	320/260	420/350	475/400	540/450	650/570
Grab Elongation (MD/CD) ^a	%	ASTM D-4632	75/85	75/85	75/85	75/80	75/80	75/80	75/80	80/80	85/8
Trapezoid Tear Strength (MD/CD) ^a	lbs	ASTM D-4533	50/40	55/50	80/75	105/95	110/100	140/125	170/145	180/165	225/200
Puncture Resistance	lbs	ASTM D-4833	55	65	95	115	125	155	170	185	225
Mullen Burst Strength	psi	ASTM D-3786	195	225	330	400	435	560	600	700	855
Water Flow Rate	gpm/ft ²	ASTM D-4491	195	190	170	150	130	120	105	100	80
Permittivity, Ψ	sec ⁻¹	ASTM D-4491	2.61	2.54	2.27	2.01	1.78	1.6	1.47	1.34	1.07
Permeability, $k = \Psi \times t$	cm/sec	ASTM D-4491	.40	.45	.52	.58	.53	.57	.52	.58	.57
AOS	Sieve Size mm	ASTM D-4751	70-100 210-149	70-100 210-149	70-100 210-149	70-100 210-149	70-120 210-125	100-120 149-125	100-140 149-106	120-140 125-106	140-170 106-088
Standard Roll Widths ^a	ft		12.5 and 15.0								
Standard Roll Lengths ^a	ft		400	400	300	300	300	300	300	300	300

^aMD = Machine Direction, CD = Cross Machine Direction.

^aOther width and length rolls are available upon request.

MINIMUM† PHYSICAL PROPERTIES OF TREVIRA® TYPE 11 PRODUCTS

Fabric Property	Unit	Test Method	011/120	011/140	011/200	011/250	011/280	011/350	011/420	011/450	011/550
Fabric Weight	oz/yd ²	ASTM D-5261	3.3	4.0	5.7	7.1	8.0	10.0	12.0	13.0	16.0
Fabric Thickness, t	mils	ASTM D-5199	50	55	75	95	105	125	145	150	185
Grab Strength	lbs	ASTM D-4632	90	110	160	210	230	305	360	390	500
Grab Elongation	%	ASTM D-4632	60	60	60	60	60	80	60	85	70
Trapezoid Tear Strength	lbs	ASTM D-4533	30	40	60	75	80	100	120	130	150
Puncture Resistance	lbs	ASTM D-4833	45	50	80	95	100	130	150	155	185
Mullen Burst Strength	psi	ASTM D-3786	170	190	285	360	380	510	550	640	780
Water Flow Rate	gpm/ft ²	ASTM D-4491	155	150	130	110	90	80	65	60	40
Permittivity, Ψ	sec ⁻¹	ASTM D-4491	2.07	2.01	1.74	1.47	1.20	1.07	0.87	0.80	0.53
Permeability, $k = \Psi \times t$	cm/sec	ASTM D-4491	.26	.28	.33	.36	.32	.34	.32	.31	.25
AOS	Sieve Size mm	ASTM D-4751	50 300	50 300	70 210	70 210	70 210	70 210	70 210	100 149	100 149

†These minimum values represent minimum test values as determined from Quality Control (Q.C.) testing.

MARCH 26, 1996

MR. KIM FORD P.E.

①

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

3804 COCONUT PALM DRIVE

TAMPA FL. 33619

SUBJECT: PASCO COUNTY LEACHATE MANAGEMENT
FACILITY / 2 MILLION GALLON LEACHATE
HOLDING TANK

DEAR MR. FORD

PURSUANT TO YOUR REQUEST THE FOLLOWING
DATA IS SUBMITTED.

1.) VOLUME OF WATER CONTAINED BY THE SECONDARY
CONTAINMENT:

a) 3/21/97 50 gpm, then 5 gals 8 to 10 mins per hour

b) 3/24/97 20 gpm, then 5 gals 15 to 18 mins.

c) 3/26/97 (NEW 50 gpm PUMP PURCHASED BY PASCO CO
PUMPED FOR 20 SECONDS & THEN THE PUMP
CAVATATED, TRIED 20/30 MINUTES LATER
PUMP STILL CAVATATED. SECONDARY CONTAIN-
MENT IS EMPTY.

d) WE WILL TRY ONCE AGAIN ON 4/31/97

2) ONCE TANK CONTAINS LEACHATE - ALL PUMPING FROM
SECONDARY LINER WILL BE CONSIDERED AS
LEACHATE & WILL BE HANDLED AS SUCH.
DETAILED METHOD OF HANDLING WILL FOLLOW
SHORTLY, AS SOON AS PLAN IS FORMULATED
FOR YOUR (DEPARTMENT) APPROVAL.

(12)

I BELIEVE we Are Ready To Receive & store Leachate IN The 2 million Gal. Holding TANK AS SOON AS Certification Is Possible.

I believe The pumping of The Secondary Liner on 4.31.97 will Prove To be Zero gals. OR SLIGHTLY MORE. THAT WATER, IF ANY, & IF CERTIFICATION IS GRANTED WILL BE TRANSPORTED TO DISPOSAL UNIT A-2, then To The Leachate Holding TANK FOR PROCESSING IN THE Leachate Management PLANT. This handling process will Be Temporary UNTILL A more efficient plan Is Formulated.

TALKED to - DAY TO COM THE DATA YOU REQUESTED WILL BE DELIVERED To you To-MORROW 3-27-97

I TRUST we have Responded To YOU INQUIRIES IN A MANNER SUFFICIENT To YOUR NEEDS

VINCE

HARD COPY To Follow -

Post-It [®] brand fax transmittal memo 7671		# of pages >	2
To	LYNN FORD PE	From	VINCE
Co.	FDEP	Co.	PASCO CO
Dept.	SOLID WASTE	Phone #	856-0119
Fax #	813-744-6129	Fax #	856-0007

**PASCO COUNTY, FLORIDA****VINCENT MANNELLA, P.E.**
Solid Waste Facility Manager7536 State St.
New Port Richey, FL 34854

PHONE 813-856-0119

FAX 813-856-0007

DATE: March 24, 1997**TO:** Kim Ford**COMPANY:** Florida Department of Environmental Protection**TELECOPIER TEL. NO.:** (813) 744-6090**FROM:** Ron Walker**CLIENT/MATTER NO.:** 2 Mil. Gallon Leachate Tank Leak Detection**TOTAL NO. OF PAGES TRANSMITTED (INCLUDING COVER LETTER):** One (1)

MESSAGE: Started pumping out of leak detection pipe as requested at 11:00 A.M. on Friday, March 21, 1997 using a 2" gas powered pump. After pump was primed, the pump discharged approximately 50 gallons of rusty looking water, believed to be collected from the new construction. Rate of discharge decreased to approximately one five gallon bucket every 8 to 10 minutes for one hour. Monday, March 24, 1997, started pump at 11:00 a.m. and pumped approximately 20 gallons and then decreased to approximately one five gallon bucket every 15 to 18 minutes. We believe water in leak detection area is a very minute amount at this time.

DATE: _____**TIME:** _____**PLEASE CALL BACK AS SOON AS POSSIBLE
IF YOU DO NOT RECEIVE ALL OF THE PAGES INDICATED****TELECOPIER OPERATOR:** _____

Marty w Kim Ford, 10 am 3-18-97
e. Pasco

- AS-built sealed by Crom
- Conformance test for gravel & sand
- Cover letter explaining no roots under or against liner, some roots may have been present in structural fill
- liner warranty
- 5942 Roll
- Check w/Crom on the force 10,000 mix with shotcrete

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

Handwritten notes in cursive script, including the date 5/19/91 and the word "passed".

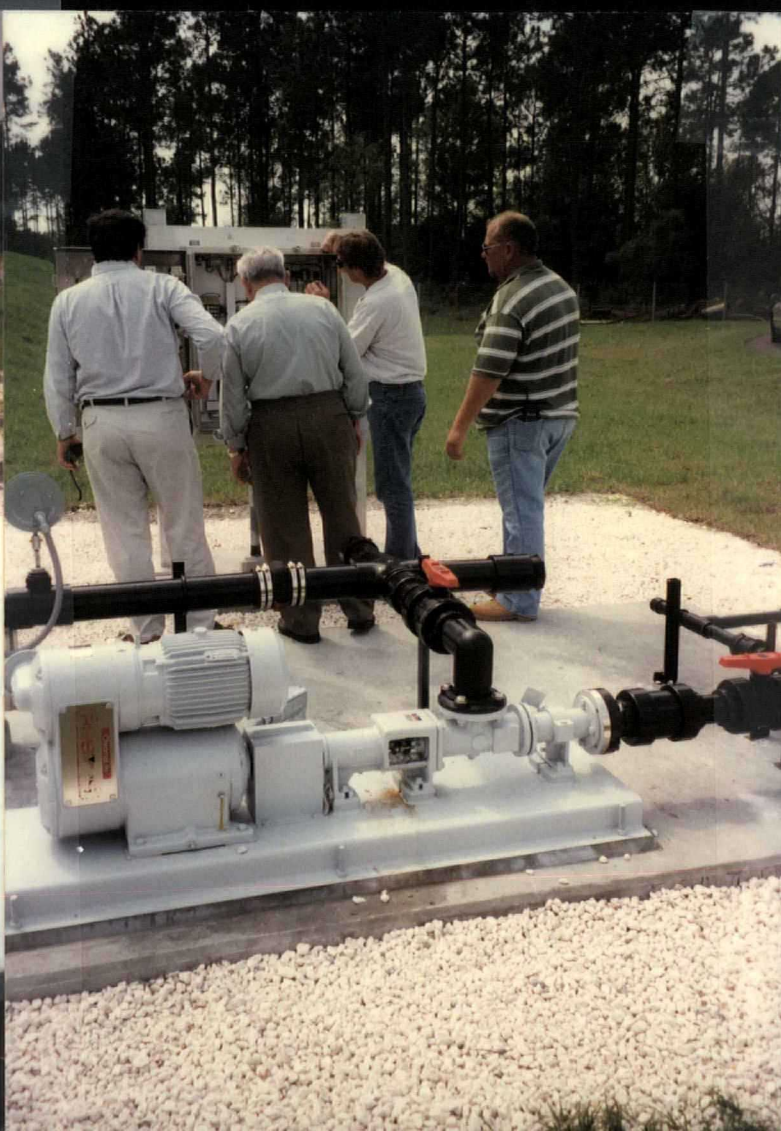
Protecting Florida and Your Quality of Life



6/31/97

3/18/97
W PASCO
FALL





3/18/97

W Pasco Tank

675

W Pasco Tank

675 3/18/97



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

SITE INSPECTION REPORT

NAME OF SITE: W PASCO LANDFILL #2 DATE: 3/18/91
SITE ADDRESS/LOCATION: HAYS ROAD
CITY: SPRINGWELL PERMIT #: _____

REASON FOR VISIT:

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

PERSONS PRESENT: J. MANUEL R. WALKER - ERM FIRM
(DARWISSE ED CARRICO - ERM FIRM TANK)

SUMMARY REPORT:

1. TANK — TANK LOOKS GOOD AND
READY FOR USE. CURRENTLY CONTAINS REUSE WATER
2. SW-1 — CORRECTIVE ACTION COMPLETED
AND LOOKS GOOD. HAYSALES HOLDING WELL, SAND
IS CLEAN AND DRY
3. A-2 — CORRECTIVE ACTION COMPLETED. RATHER
THAN SEGMENTED. STORMWATER FROM LATERAL
WATER PUMP ENTERS T.W. SAND HARD TO GET PUMP
INTO PIPE AT PUMP ON BOTTOM. SOMETIMES ON 45° ANGLE.
4. WT SITE NOT COMPLETED. U/A TRASH STILL BURIED
AND IN WAY OF FUTURE EXPANSION
5. C.C. DEPOT HAS COMPARISON BUT NO WORKS -

VIOLATIONS NOTED: SYSTEM — MAY NEED T.S. PERMIT

DEP REPRESENTATIVE: _____

1203-115

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 3/7/99
Time 8:50

Subject WYDASCO
Permit No. _____
County INDASCO
Telephone No. _____

M Vince Mantele

Representing PASCO County

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting

Van said WT SITE AS BUILT SURVEY ORDER
if planned to be completed next week
Van said schedule WTE activities until
May so Removal of MSW from SW-1
will stop until then but plans to
complete Removal of MSW from SW-1
by Sept as previously stated — Van
will write a brief explanation to DEP
Van said TANK CONT APPROVAL ADD
DETERMINED THIS WEEK OR NEXT GOT COMPLETED
1/2 TANK FILL TO START TREATMENT PLANT

(continue on another
sheet, if necessary)

Signature [Signature]

Title _____



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

RECEIVED
FEB 18 1997
Department of Environmental Protection
BY _____
SOUTHWEST DISTRICT

February 14, 1997

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

Enclosed is a copy of the minutes of Progress Meeting 6. Please distribute appropriate copies to Wharton Smith personnel who were in attendance at the meeting.

A contract closeout meeting was scheduled for Thursday, February 13, 1997. However, the meeting has been rescheduled for Tuesday, February 18, 1997 at 2:00 p.m. in the 2nd floor conference room.

Should you have any questions, please do not hesitate to contact me at (813) 281-2900.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: All Attendees
Vince Mannella, County
John Banks, CDM
Dan Strobridge, CDM
Kim Ford, FDEP
Construction File
Project File

PASCO COUNTY, FLORIDA
LEACHATE STORAGE TANK AND TREATMENT FACILITIES
PROGRESS MEETING NO. 6
JANUARY 30, 1997
MEETING MINUTES

1. Review and Comments on the Previous Meeting Minutes

None.

2. Work Performed Since the Last Meeting

Sod placement is complete and the contractor is currently watering the sod. The hydrostatic test of the Crom storage tank was completed successfully. Wharton-Smith monitored settlement for 4 days in accordance with the contract. The Crom tank settled evenly approximately 0.05 feet (no differential settlement). The primary liner installation is complete, anchored to the Crom tank and perimeter berm. Approximately 75 percent of the sand cement rip rap bags have been placed on the 60 mil HDPE liner rub pad. The 4-inch discharge and 6-inch fill lines are complete. The limerock and asphalt perimeter access road around the process building is complete. Work associated with the gas line is complete. People Gas will test the entire gas system when Eclipse Construction's gas line work is complete and ready for testing. The roll up doors and interior doors have been installed. Wharton-Smith installed a temporary window in the control room until the specified window is delivered to the site. The drywall installation is complete including painting. The suspended acoustical tile ceilings are currently being installed. The restroom ceramic tile has been installed. Power Panel No. 1 have Local Panel No. 1 has also been installed. The lift station and well installations are complete. The Distillate pump control panel has been installed. Peoples Gas has installed the gas meter at the south property line of the site.

3. Work to be Performed in the Next Thirty Days

Complete the project including installation of the exterior doors, permanent window in the control room, and leachate transfer pump control panel; test and startup all electrical and mechanical equipment. CDM will have an electrical representative onsite next week to generate a preliminary punchlist for the electrical work. CDM and Wharton-Smith are currently generating a punchlist for the civil, mechanical, architectural and HVAC/plumbing work.

4. Field Observations, Problems and Conflicts

Sheppard Electric performed a 1,000 volt DC megohm test on the nine feeder cables from the switchgear to the process building (PP-1). Seven of the cables appeared acceptable, two cables were questionable. CDM recommended cutting off the cable ends, cleaning them and retesting. The air compressor problem will be resolved today (change panels to 480 volt rating).

5. Material, Fabrications and Deliveries

The control room window will be delivered on February 3, 1997. The leachate transfer pump control panel was delivered today, January 31, 1997. The louvers are onsite.

6. Schedule

CDM denied Wharton-Smith's time extension request. CDM is going to arrange a special meeting between Wharton-Smith, CDM and the County, probably the second week of February as soon as the project is substantially complete to discuss contract closeout.

7. Status of Work Directive/Change or Change Orders

The original CAWR #2 and 3 were executed this month. Wharton-Smith received payment today.

8. Other Business

CDM will clarify the meter installation requirements at the existing leachate pump station.

Next meeting was scheduled for 2:00 p.m. on Thursday, February 13, 1997, however, the meeting has been rescheduled for Tuesday, February 18, 1997 at 2:00 p.m.

Meeting Adjourned.

CDM Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

February 14, 1997

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

RECEIVED
FEB 18 1997

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

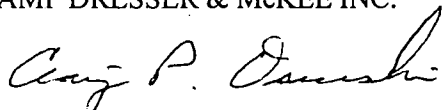
This letter is to clarify which cables are to receive a 1000 volt DC megohm test in accordance with Section 16150 of the contract manual. All 480 volt power conductors including, but not limited to power cables to the air compressor, sanitary lift station, distillate transfer pump, potable water well, leachate transfer pump and applicable exhaust fans shall be tested at 1000 volts DC.

Also, please submit written certification when Wharton-Smith feels the project is substantially complete in accordance with Section 01700.

Please call if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.



Craig P. Osmanski, P.E.

cc: Vince Mannella, County
John Banks, CDM
Dan Strobbridge, CDM
Kim Ford, FDEP
Construction File
Project File

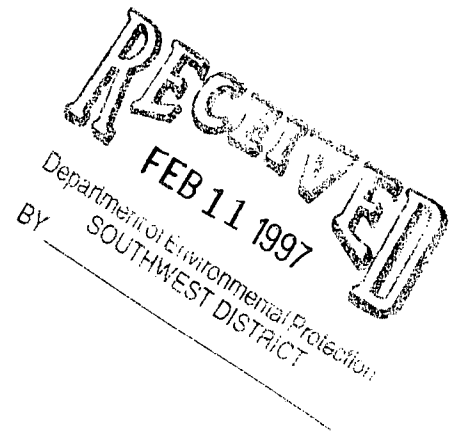


Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

February 10, 1997



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

Subject: Pasco County
Leachate Storage Tank Manufacturer Certification

Dear Mr. Ford:

Enclosed is one copy of the Crom tank certification for the Pasco County Landfill storage tank. Please insert this submittal in Appendix H of our Certification Report that was submitted to your office on February 4, 1997.

Please call if you have any questions or comments.

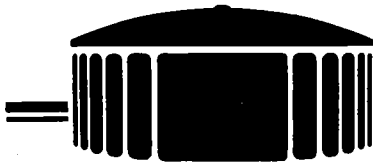
Sincerely,

CAMP DRESSER & McKEE INC.

Darwish El-Hajji, P.E.

Enclosure

cc: Vince Mannella, Pasco County
Dan Strobridge, CDM (w/o enc)
Craig Osmanski, CDM (w/o enc)



THE CROM CORPORATION

Prestressed Composite Tanks

Stephen W. Pavlik, President
R. Bruce Simpson
H.E. Puder
James A. Neff, P.E.
Lars Balck, Jr., P.E.
Samuel O. Sawyer, P.E.
Richard L. Bice, P.E.
James D. Copley, P.E.
Gerald C. Bevis, P.E.

February 6, 1997

Mr. Craig Osmanski
Camp Dresser & McKee, Inc.
1715 N. Westshore Boulevard, Suite 875
Tampa, FL 33607

Subject: 2.0-MG Leachate Storage Tank
Pasco County, Florida
Crom Job No. 9632

Dear Craig:

This letter is to certify that the subject tank was designed in accordance with the appropriate and applicable portions of the documents and standards listed in your contract documents as paragraph 1.04 of section 13414 and The Crom Corporation's standard design.

The details of tank design have considered appropriate and applicable loading requirements of paragraph 1.06A of section 13414. I should point out that the weight of water used in our design is 62.4, not 62.5 pcf. I also should point out that dome roof loading on the tank was 12 psf per the standard building code, not 40 psf. This subject was discussed with John Banks, of CDM, and approved as designed.

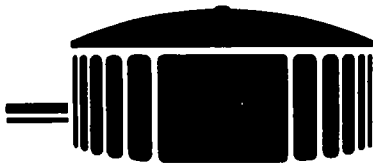
If you have any questions or if we may be of further assistance, please feel free to give us a call.

Sincerely,

THE CROM CORPORATION

Samuel O. Sawyer, III, P.E.
Vice President

SOS/gg
Enclosures



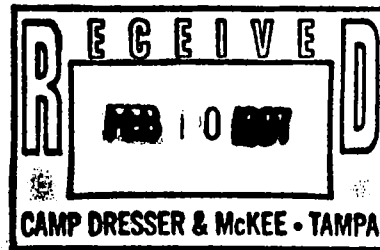
THE CROM CORPORATION

Prestressed Composite Tanks

Stephen W. Pavlik, President
R. Bruce Simpson
H.E. Puder
James A. Neff, P.E.
Lars Balck, Jr., P.E.
Samuel O. Sawyer, P.E.
Richard L. Bice, P.E.
James D. Copley, P.E.
Gerald C. Bevis, P.E.

February 6, 1997

Mr. Craig Osmanski
Camp Dresser & McKee, Inc.
1715 N. Westshore Boulevard, Suite 875
Tampa, FL 33607



Subject: 2.0-MG Leachate Storage Tank
Pasco County, Florida
Crom Job No. 9632

Dear Craig:

As requested, we are submitting the following information for your information and use for the above referenced project:

♦ Ricky Thigpen: Certified Nozzleman
Date Certified: July 1986
Number of Tanks Built: Approximately 22

Senior Nozzleman
Date Promoted: February 1992
Number of Tanks Built: Approximately 26

Copy of Nozzleman Certification enclosed.

♦ Dave Westover: Shotcrete Foreman
Date Promoted: June 1980
Number of Tanks Built: Approximately 20

Superintendent
Date Promoted: September 1995
Number of Tanks Built: Approximately 55

♦ The Crom Corporation "Record of Experience"

♦ Letter certifying design of subject tank.

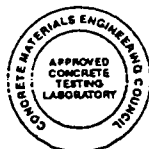
If you have any questions or if we may be of further assistance, please feel free to give us a call.

Sincerely,

Samuel O. Sawyer, III, P.E.
Vice President

SOS/gg
Enclosures

SN



C M E C
HEREBY RECOGNIZES
RICKEY THIGPEN

for Experience and Technical Knowledge in the
Construction Industry as Shotcrete Nozzleman

certificate no. 64
shotcrete method Wet & Dry Mix
expiration date April 1999
examiner Charles Moore, P.E.



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

January 29, 1997

Mr. Kim Ford, P.E.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619-8318

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Mr. Ford:

Enclosed is a copy of Wharton-Smith Inc.'s most recent construction schedule. This schedule shows project completion being January 21, 1997, however, we feel that the contractor will reach Substantial Completion in mid-February and Final Completion at the end of February 1997. Upon receipt of the contractor's updated schedule, we will notify you of any changes to the contract dates.

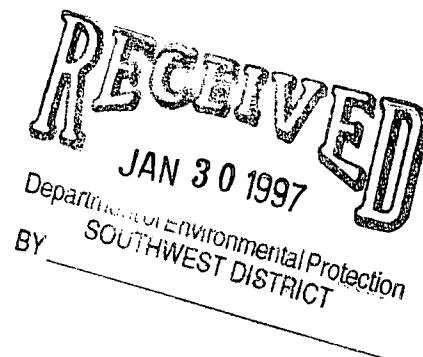
Please call me at 281-2900 if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: Vince Mannella, County
John Banks, CDM
Dan Strobridge, CDM
Construction File
Project File





Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

D.E.P.
JAN 15 1997
SOUTHWEST DISTRICT
TAMPA

January 13, 1997

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30
Progress Meeting

Dear Ms. Evans:

Due to scheduling conflicts, the progress meeting originally scheduled for January 14, 1997 at 2:00 p.m. will be held on January 21, 1997 at 2:00 p.m..

Very truly yours,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: V. Mannella, County
R. Walker, County
K. Ford, FDEP
D. Strobridge, CDM
J. Banks, CDM
Construction File

FAX COVER SHEET

RB

DATE: 1-13-97TO: KIM FORD

FROM: CRAIG OSMANSKI
CAMP DRESSER & MCKEE INC.
Westshore Center
1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
FAX NO.: (813) 288-8787

PN: _____

NUMBER OF PAGES SENT INCLUDING COVER SHEET: 2NOTE: _____

QUESTIONS/PROBLEMS: CONTACT _____ AT (813) 281-2900



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

January 13, 1997

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30
Progress Meeting

Dear Ms. Evans:

Due to scheduling conflicts, the progress meeting originally scheduled for January 14, 1997 at 2:00 p.m. will be held on January 21, 1997 at 2:00 p.m..

d

Very truly yours,

CAMP DRESSER & MCKEE INC.

Craig P. Osmaniski, P.E.

cc: V. Mannella, County
R. Walker, County
K. Ford, FDEP
D. Strobbridge, CDM
J. Banks, CDM
Construction File



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

January 9, 1997

D.E.P.
JAN 10 1997
SOUTH WEST FLORIDA
TAMPA

Ms. Betty Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank and Treatment Facility
CDM PN: 6104-13442

Dear Ms. Evans:

During my site visit on January 3, 1997, it was observed that the HDPE liner installation is complete. As discussed at the last progress meeting, please have your liner subcontractor submit the liner as-builts and QA/QC documentation as soon as possible such that we can forward the documentation to the Florida Department of Environmental Protection.

Thank you for your cooperation in this matter and please call if you should have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

c: Vince Mannella
Ron Walker
Dan Strobridge
Kim Ford
Construction File



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

D.E.P.

JAN 10 1997

January 9, 1997

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

Enclosed is a copy of the minutes of Progress Meeting 5. Please distribute appropriate copies to Wharton Smith personnel who were in attendance at the meeting.

The next progress meeting was scheduled for January 14, 1997 at 2:00 p.m. at the Resource Recovery Plant, 2nd Floor Conference Room; however, due to scheduling conflicts, we would like to reschedule for January 21, 1997 at 2:00 p.m.

Should you have any questions, please do not hesitate to contact me at (813) 281-2900.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: All Attendees
Vince Mannella, County
John Banks, CDM
Dan Strobridge, CDM
Kim Ford, FDEP
Construction File
Project File

PASCO COUNTY, FLORIDA
LEACHATE STORAGE TANK AND TREATMENT FACILITIES

PROGRESS MEETING NO. 5

DECEMBER 16, 1997, 2:00 P.M.

MEETING MINUTES

1. Review and Comments on the Previous Meeting Minutes

None.

2. Work Performed Since the Last Meeting

The reclaimed water fire hydrant has been installed and the 6-inch and 2-inch reuse lines are also installed from the connection by others to the building. The 1-1/2-inch distillate line is tied in from the building to the distillate tank. The 2-inch distillate line from the distillate pump to the existing 2-inch line (by others) has been installed, tested and backfilled. The 6-inch fill line has been installed, tested and backfilled to the containment berm. The 4-inch tank drain line has been installed, backfilled and tested from the berm to the leachate pump pad. The leachate pump concrete pad has been poured. The acid storage concrete pad has been poured. All of the electrical housekeeping pads have been poured. The 6-inch fill line is completed inside the Crom tank. The lift station has been installed complete and tied into the 4-inch force main. The 6-inch sanitary line from the building drains to the lift station has been installed. The building has been erected (90%) with the exception of the louvers, doors and windows. The two roll up doors have been installed. The secondary berm around the Crom tank is approximately 98% complete. Comanco is currently installing the liner and anchoring the liner into the top of the berm. The liner is approximately 60% complete. The electrical conduit driveway patches have been poured. All sanitary/reuse lines within a 100 feet of the potable water well were encased in concrete per the SWFWMD permit. The well has been tied into the building. The building electrical is approximately 80% complete.

3. Work to be Performed in the Next Thirty Days

Bernie Klemann (W-S) mentioned they are going to install the louvers doors and windows, install the 4-inch discharge and 6-inch fill from the Crom tank to the containment berm. Complete the liner installation and complete the plumbing inside the building. Enclose/complete the electrical and control rooms. The loop driveway and site restoration work will be complete.

4. Field Observations, Problems and Conflicts

Vince Mannella (County) asked about the status of the People's Gas line. Bernie Klemann (W-S) mentioned People's Gas is about two weeks off from installing there gas line to the meter.

5. Material, Fabrications and Deliveries

The interior doors and distillate pump and leachate transfer pumps will be delivered to the site mid to late January 1997.

6. Schedule

Craig Osmanski stated that Wharton-Smith is behind schedule. Betty Evans has submitted a documentation to substantiate time extension request. If the documentation justifies the request, CDM will recommend a time extension to the owner.

7. Status of Work Directive/Change or Change Orders

Craig Osmanski stated that CDM has the CAWRs from the County and will execute.

8. Other Business

Craig Osmanski (CDM) thanked Dale Ravenscraft (Eclipse) and Bernie Klemann (W-S) for doing a good job coordinating the work between the two contractors.

Pay request No. 5 was corrected by W-S per the County's request.

Dale Ravenscraft (Eclipse) submitted a revised schedule. Dale also mentioned they need a dry, dust free area before they can set the PLC. Eclipse projected their electrician needs at least 4 weeks after that to complete his work. Eclipse is planning to be complete one week into February, 1997.

Kim Ford (FDEP) requested the liner QA/QC documentation be submitted as soon as possible. Also, upon project completion, CDM will submit record drawings and the Certification of Completion form to the FDEP. Kim mentioned it will take him a couple of weeks to review the documentation.

Wharton-Smith will be taking off one-half day on Christmas Eve and Christmas day.

Next Progress Meeting was scheduled for 2:00 p.m. on Tuesday, January 14, 1997, however, at the County's request, the next meeting will be January 21, 1997.

PASCO COUNTY, FLORIDA
LEACHATE STORAGE TANK AND TREATMENT FACILITIES

PROGRESS MEETING NO. 5
DECEMBER 16, 1996 2:00 P.M.

SIGN-IN SHEET

NAME	COMPANY	TELEPHONE NO.
Craig Osmański	CDM	813-281-2900
Ron Walker	Pasco Co.	813-861-3004
DALE RAVENCRAFT	ECLIPSE	813 857 1310
BO BAILEY	RCC	813 857 0713
Kim Ford	DEP	(813) 744 6100x382
Vince Mannella	Pasco Co	(813) 856-0119
Don Stobridge	CDM	813 281 2900
BERNIE KLEMANN	WILKINSON-SMITH	813 857 9920
Grady Higginbotham	W-S	(813) 288-0068
BETTY EVANS	WILKINSON-SMITH	813-288-0068

DM —

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 1/9/97 Subject W PRIMO Tank, #2
Time 3:45 Permit No. _____

County _____
M Orlando Telephone No. _____

Representing PRIMO

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting I RETURNED HIS CALL

He SAID Response on Dec 12/8/96 letter
concern on WSW Remedy for SW-1

Followed by a supplement to ops plan

He expected Tank Bunk tested now

and will be certified w/ 2nd containment

& all test results and wants approval

to fill tank w/ leachate prior to certification
of SW-1 treatment plant

I said OK but asked for 2 wks to review

Tank 1 containment certification

He asked if salt bags from treatment could

go into SW-1. I said probably not since

SW-1 leachate goes to study it will WWSF and

salt is the problem - bags break, more problems

(continue on another
sheet, if necessary)

Signature [Signature]

Title _____

DAB ✓

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 12/20/96 Subject Wasco Tank
Time 9:25 Permit No. _____
County DAS
M DAB Telephone No. _____
Representing CDM

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

Other Individuals Involved in Conversation/Meeting _____

Summary of Conversation/Meeting _____

D.E. Asks About Tank Use ASAP
AND CERTIFICATION

I Asks for Cover Letter explaining why
Tank use is not before T.P. / SCHEDULING
FOR T.P. completion, location of location
Removal from Disposal areas and Tank
in event of T.P. Delays.

I Asks for certification to indicate what
Completed and what's not, AND provide
All QA documents / TESTS on Tank's Secondary
Line AS PER SPECS

D.E. said He will find out why - Cost of water.
And/or compliance with D.W.C.O.

(continue on another
sheet, if necessary)

Signature E L

Title _____

ALTHOUGH OUR REVIEW OF
CERTIFICATIONS ARE NOT ON
THE TIME CLOCK, I SUGGEST
WE SUPPORT ALL FACILITIES WITH
AN ~~EXPEDITIOUS~~ EXPEDITIOUS
REVIEW DUE TO COSTS INVOLVED
W/O OPERATION. Thank

Bob



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

Handwritten initials: RB, Ben, and others

SITE INSPECTION REPORT

NAME OF SITE: WRAS - Tank 1 SW-1 DATE: 12/16/90
SITE ADDRESS/LOCATION: Hay Road
CITY: Springfield PERMIT #: _____

REASON FOR VISIT:

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

PERSONS PRESENT: Vince Manetta, Kim Ford
and (Ben Walker - SW-1)

SUMMARY REPORT:

Tank 1: observed tank, building with
equipment during completion, and
2nd containment liner installation and
testing - work is behind schedule by
1 month ±

SW-1: observed ponding and very wet
soil in east end of SW-1. Also a pipe
from A-1 discharges into east end not
observed before. Discussed methods of
improved drainage in east end and removal
of discharge from A-1.

VIOLATIONS NOTED:

East end of SW-1 ponding - corrective
action to be proposed including relocation
A-1 discharge and drainage sand replacement

DEP REPRESENTATIVE: [Signature]

CDM Camp Dresser & McKee Inc.environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

Post-It™ brand fax transmittal memo 7671

of pages = 2

To	Kim Ford	From	Craig Osmanski
Co.		Co.	
Dept.		Phone #	
Fax #		Fax #	

December 3, 1996

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

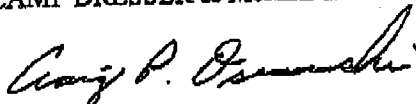
Dear Ms. Evans:

The next progress meeting is rescheduled for Wednesday, December 11, 1996 at 2:00 p.m. at the Resource Recovery Plant, 2nd Floor Conference Room.

Should you have any questions, please do not hesitate to contact me at (813) 281-2900.

Sincerely,

CAMP DRESSER & McKEE INC.



Craig P. Osmanski, P.E.

cc: Vince Mannella, County
John Banks, CDM
Dan Strobridge, CDM
Kim Ford, FDEP
Construction File
Project File



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

RECEIVED
NOV 14 1996

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

November 11, 1996

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

Enclosed is a copy of the minutes of Progress Meeting 4. Please distribute appropriate copies to Wharton Smith personnel who were in attendance at the meeting.

The next progress meeting is scheduled for Thursday, November 21, 1996 at 2:00 p.m. at the Resource Recovery Plant, 2nd Floor Conference Room..

Should you have any questions, please do not hesitate to contact me at (813) 281-2900.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: All Attendees
Vince Mannella, County
John Banks, CDM
Dan Strobridge, CDM
Kim Ford, FDEP
Construction File
Project File

Pasco County, Florida
Progress Meeting No. 4
October 22, 1996

Leachate Storage Tank and Treatment Facilities
Meeting Minutes

1. Comments on Previous Meeting Minutes
2. Work Performed Since Previous Meeting

The 2,000,000 gallon storage tank is 85 percent complete. Wharton Smith, Inc. (W-S) has placed the steel reinforcing, equipment anchor bolts and poured the bag house/drying chamber and distillate tower/evaporator concrete pads. Eclipse has set the equipment on these concrete pads. The 5' x 6' concrete sump top concrete slab has been set in place. The distillate storage tank concrete pad has been poured including the small transfer pump pad just north of the storage tank. The 12-foot diameter distillate storage tank has been set on the concrete pad. The 6-inch PVC fill line has been installed, tested and backfilled from the county's line at the east end of the site to the 90 degree bend turning southeast to the 2,000,000 gallon storage tank. The 1 1/2-inch force main has been installed and tested from the east side of the process building to the west side of the leachate transfer pump.

At the process building, the drain lines and sanitary sewer lines have been installed and encased in concrete to a point 100-feet from the water well. The electrical duct bank is 100 percent complete. The conduit runs are complete with the exception of the stubups for the air compressor and dryer. The equipment grounds have been installed and the locations coordinated with RCC. The yard electrical is approximately 50 percent complete.

3. Work Projected to be Performed in the Next 30 Days

The process building concrete slab will be poured October 30, 1996. The equipment pads will be poured on the following Monday assuming the concrete cylinder 3 day break is acceptable. Eclipse will be able to set their equipment Friday, November 8, 1996. The metal process building will be erected. The leachate transfer pump concrete pad will be poured. The below grade yard piping will be installed. The top containment liner installation will be in progress.

4. Field Observations, Problems and Conflicts

Mr. Dale Ravenscraft (Eclipse) mentioned that their crane was rented for this month only, and if they cannot set the building equipment this month, they would have to extend the crane rental for an additional cost. The equipment pad sizes will be field adjusted to fit the equipment drains properly. CDM will coordinate with Wharton-Smith's field representative.

Mr. John Banks asked RCC which of the floor drains will be draining the cooling water from the compressor. It was agreed that the drain north of the compressor pad would flow to the trench drain. The drain south of the compressor pad would take the cooling water from the compressor.

5. Material, Fabrications and Deliveries

The metal building early delivery date will be November 4, 1996 and late delivery date of November 15, 1996. The leachate transfer pump will be delivered in approximately 3 weeks. The sanitary lift station will be delivered Thursday, October 24, 1996.

6. Schedule

Wharton-Smith (W-S) submitted a revised schedule, CDM will review and respond accordingly. The current contract dates are November 24, 1996 (SC) and December 24, 1996 (FC). Mr. Grady Higginbotham (W-S) mentioned the base schedule was approved. No other schedules have been approved. (Ref. CDM letter dated July 22, 1996. The base schedule was concurred with provided W-S address the issues detailed in the July 22, 1996 letter.)

7. Status of Work Directive Changes or Change Orders

CDM will execute a work directive change for work associated with Change Order No. 2.

8. Other Business

Wharton-Smith has not been paid for their August and September 1996 pay request. CDM will contact the County Purchasing office and notify W-S of the status. The County Purchasing Department requires a pay schedule with the pay request.

Mr. Lenny Manfred (RCC) asked if their contractor could install the equipment in the concrete sump. This work cannot be done until the Sauerisen coating has been applied.

PROGRESS MEETING NO. 4
OCTOBER 22, 1996 2:00 P.M.

[illegible]



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

Bob RB

October 8, 1996

D.E.P.
OCT 10 1996
SOUTHWEST DISTRICT
TAMPA

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

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
County Bid No. 96-033
CDM Project No. 6104-31
FDEP File No. SC51-277316

Dear Mr. Ford:

In accordance with Article 5 of the Specific Conditions of the FDEP Permit SC51-277316, enclosed are the minutes of Progress Meeting No. 3 held on September 24, 1996.

As stated in my letter dated October 4, 1996, the next progress meeting is scheduled for October 22, 1996 at 2:00 p.m. at the Resource Recovery Plant 2nd floor conference room.

Please call if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski

Craig P. Osmanski, P.E.

cc: V. Mannella, Pasco County
R. Walker, Pasco County
D. Strobridge, CDM
J. Banks, CDM
Project File
Construction File

PASCO COUNTY, FLORIDA
LEACHATE STORAGE TANK AND TREATMENT FACILITIES
SEPTEMBER 24, 1996
PROGRESS MEETING NO. 3
MEETING MINUTES

1. Review/Comments on the Last Months Meeting Minutes

None.

2. Work Performed Since the Previous Meeting

The bottom slab for the 2.0 million gallon Crom storage tank is complete. Crom is currently forming the roof of the tank. The interior tank wall is complete. The remaining work on the exterior tank walls are the prestressed wire and final 1-inch of shotcrete and the footer for the liner attachment. Sheppard Electric (Sheppard) has installed the three electrical manholes, and the ductbank from the eastern manhole to the electrical room in the new process building and also across the western driveway. The only ductbank remaining to be installed and encased in the run under the main eastern driveway. Sheppard will use steel plates to complete the eastern drive encasement. Wharton Smith (W-S) has formed the baghouse/spray dryer and evaporator pads on the northside of the process building. The grade for the building has been cut and is ready to form. The 5x6 foot sump has been installed (vertical and bottom sections). The electrical grounds have been installed for the baghouse/spray dryer and evaporator.

3. Work Projected to be Performed in the Next Thirty Days

Crom should near completion with the storage tank. The equipment pads for the baghouse will be poured and forms stripped. All of the plumbing and electrical work beneath the process building should be in place and the process building concrete pad poured.

4. Field Observations, Problems and Conflicts

None

5. Materials, Fabrications and Deliveries

The earliest date for the pre-engineered metal building delivery would be October 31, 1996. The panelboards should be on-site by November 5, 1996. All rebar and yard piping is onsite. The AC unit for the process building will be on-site today, September 24, 1996.

6. Schedule

Craig Osmanski stated that Wharton-Smith submitted a revised schedule. Wharton-Smith has requested a 4 week time extension, however, CDM will respond after reviewing the Primavera scheduling logic. Substantial Completion is November 24, 1996 and Final Completion is December 24, 1996.

7. Status of Work Directives or Change Orders

Change Order No. 2: CDM and Wharton-Smith are negotiating cost.

8. Other Business

Wharton-Smith will install the equipment anchor bolts and Eclipse Construction's surveyor will verify them prior to placing the concrete. CDM informed Sheppard to restore the ductbank trench as soon as possible. Sheppard agreed. Wharton-Smith will be installing the 2-inch gas line from the gas meter to the building to interface with RCC's piping.

Grady Higginbotham (W-S) mentioned the process building should be erected by November 18, 1996.

The next progress meeting is scheduled for October 22, 1996 at 2:00 p.m.



Camp Dresser & McKee Inc.

environmental
services

Westshore Center
1715 North Westshore Boulevard
Suite 875
Tampa, Florida 33607
Tel: 813 281-2900 Fax: 813 288-8787

Bob AS

D.E.P.

OCT 07 1996

October 4, 1996

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

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
County Bid No. 96-033
CDM Project No. 6104-31
FDEP File No. SC51-277316

Dear Mr. Ford:

In accordance with Article 5 of the Specific Conditions of the FDEP Permit SC51-277316, enclosed is a copy of the revised construction schedule dated October 3, 1996. Also enclosed are the minutes of the preconstruction meeting and progress meetings to date.

The next progress meeting is scheduled for October 22, 1996 at 2:00 p.m. at the Resource Recovery Plant 2nd floor conference room.

Please call if you have any questions.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: V. Mannella, Pasco County
R. Walker, Pasco County
D. Strobridge, CDM
J. Banks, CDM
Project File
Construction File



Camp Dresser & McKee Inc.

environmental
services

17757 U.S. 19 North, Suite 200
Clearwater, Florida 34624
Tel: 813 530-9984 Fax: 813 536-5196

September 5, 1996

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

D.E.P.
OCT 07 1996
SOUTHWEST DISTRICT
TAMPA

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

Enclosed is a copy of the minutes of Progress Meeting 2. Please distribute appropriate copies to Wharton Smith personnel who were in attendance at the meeting.

The next progress meeting is scheduled for Tuesday, September 24, 1996 at 2:00 p.m. at the Resource Recovery Plant, 2nd Floor Conference Room..

Should you have any questions, please do not hesitate to contact me at (813) 530-9984.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: All Attendees
John Banks
Dan Strobridge
Construction File
Project File

PASCO COUNTY, FLORIDA
PROGRESS MEETING NO. 2
AUGUST 27, 1996 2:00 P.M.
PASCO COUNTY LEACHATE STORAGE TANK AND TREATMENT FACILITY
MEETING MINUTES

1. Review and Comments on the Previous Meeting Minutes

None

2. Work Performed Since the Last Meeting

The site has been fine graded and the concrete has been staked out for the process building foundation and the equipment pads. The electrical subcontractor has installed approximately 475 linear feet of concrete encased duct bank, and has also installed the three 4-inch rigid galvanized steel conduits from the switchgear cubicle to the exterior wall of the Unit Substation building. The fourth conduit is stubbed out 2 feet inside the Unit Substation building per the drawings. Wharton-Smith has installed the water well and has temporary electrical power to run the well to supply water for the Crom tank. The 4-inch perforated leak detection pipe is complete and has been cutoff below grade to avoid being damaged by Crom. Crom has poured the 100 foot diameter tank bottom slab and they are currently setting scaffolding for the vertical wall reinforcing and diaphragm. The County has installed the 2-inch PVC distilled water force main to the site.

3. Work Projected to be Performed in the Next Thirty Days

The Crom tank vertical walls should be complete in two weeks. Install the Change Order No. 2 concrete sump just north of the process building. Wharton Smith will need the drawings that show the penetrations for the sump top cover. Install the process building plumbing and form up for the concrete metal building foundation slab.

Craig Osmanski explained that RCC's contractor is scheduled to mobilize the middle of September 1996. Grady Higginbotham mentioned Wharton-Smith doesn't want another contractor on site from a liability standpoint. Vince Mannella reminded Wharton-Smith RCC's equipment will be installed when delivered to the site and this work would have to be coordinated between the two contractors. Grady Higginbotham stated Wharton Smith would check their liability insurance.

4. Field Observations, Problems and Conflicts

Craig Osmanski stated the RCC equipment anchor bolt designs have been forwarded to Wharton-Smith, so Wharton-Smith can order the anchor bolts. The gas company has elected to relocate their gas meter. CDM will notify Wharton-Smith of the gas company's schedule.

5. Material, Fabrications and Deliveries

The sump supplier will be pouring and casting the top concrete wall section on 8/28/96. The plumbing and yard piping has been ordered.

The electrical manholes, manufactured by Brooks, are onsite. The 4-inch conduits for the duct bank and the smaller 3/4 inch and 1-inch electrical conduits are onsite. Shop Drawings: the critical shop drawing is the metal process building; Betty Evans and Craig Osmanski are attempting to get the CDM structural engineer to meet with the prefab metal building engineer to discuss and clarify any concerns. CDM's response to RFI No. 5 went back to Wharton-Smith on 8/27/96. RFI No. 6 on the concrete sump top slab will be clarified in the next day or two.

CDM will set up a coordination meeting between the County, Wharton-Smith, RCC, Eclipse Construction.

6. Schedule

Craig Osmanski stated that Wharton-Smith is currently revising their construction schedule. Betty Evans explained that as soon as Wharton-Smith gets all the information from the subcontractors, the schedule will be resubmitted.

7. Status of Work Directive/Changes or Change Orders

Craig Osmanski mentioned Wharton-Smith and the Owner have agreed on cost for Change Order No. 1. Wharton-Smith is proceeding with procurement of those materials. Wharton Smith is also currently working on prices for Change Order No. 2 and will provide a cost for the piping encasements to meet the SWFWMD well permit requirements. The encasement will be 6-inches all around the nonpotable water pipelines.

8. Other Business

Craig Osmanski stated that Pay Request No. 3 has been forwarded to the County, however, the County is waiting on the schedule to make payment.

Vince Mannella stated Wharton-Smith has two pay requests at the County. Vince Mannella questioned stored materials.

Betty Evans stated there was invoices on stored materials attached to the pay request. Vince Mannella asked Wharton Smith if they had a canceled check to show payment for the stored materials. Wharton-Smith will verify.

Betty Evans asked about the change in elevation of the concrete slabs? CDM will verify the elevations and notify Wharton Smith. Craig Osmanski explained CDM

forwarded Wharton-Smith anchor bolt locations and anchor bolt depth penetration drawings from RCC.

Next Progress Meeting is scheduled for 2:00 p.m. on September 24, 1996.

SIGN-IN SHEET

Mtg No. 2 → 8/27/96

2pm

NAME	FIRM	PHONE
Craig Omanski	CDM	813-530-9984
Ron Walker	Pasco Co.	813-847-8040
Vince Mannella	Pasco Co.	813-847-8040
Betty Evans	Wharton-Smith	813/288-0068
Grady Higginbotham	Wharton-Smith	813-288-0068
Bennie Kline	Wharton-Smith	813-857 9920



Camp Dresser & McKee Inc.

environmental
services

17757 U.S. 19 North, Suite 200
Clearwater, Florida 34624
Tel: 813 530-9984 Fax: 813 536-5196

August 6, 1996

Ms. Betty A. Evans
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County, Florida
Leachate Storage Tank & Treatment Facility
CDM Project No. 6104-30

Dear Ms. Evans:

Enclosed is a copy of the minutes of Progress Meeting 1. Please distribute appropriate copies to Wharton Smith personnel who were in attendance at the meetings.

The next progress meeting is scheduled for Tuesday, August 20, 1996 at 2:00 p.m. at the Resource Recovery Plant, 2nd Floor Conference Room..

Should you have any questions, please do not hesitate to contact me at (813) 530-9984.

Sincerely,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski, P.E.

cc: All Attendees
John Banks
Dan Strobridge
Construction File
Project File

PROGRESS MEETING NO. 1
JULY 23, 1996
PASCO COUNTY
LEACHATE STORAGE TANK AND TREATMENT FACILITY

1. Comments of Preconstruction Meeting Minutes

None

2. Work Performed Since the Notice-to-Proceed

The site has been cleared and grubbed. Contractor has excavated for the secondary/ bottom liner and installed the 60 mil smooth HDPE liner below the Crom tank. The contractor is currently installing the 4-inch perforated PVC leak detection pipe with a gravel pack and geotextile fabric. The County has installed the 4-inch PVC reuse and force main lines to the site. Densities were taken on the subgrade below the 60 mil secondary liner and below the process building subgrade. All densities have passed, meeting the 95 percent maximum dry density. There were two destructive test samples taken on the secondary liner and PSI has informed CDM the shear and peel test have past the specified requirements.

3. Work Projected to be Performed in the Next 30 Days

Backfill, compact and test the fill material below the Crom tank. Crom Corporation is going to mobilize at the end July and erect the storage tank.

Grady Higginbotham mentioned that the schedule is going to be dictated by the new concrete sump. That structure will take approximately 8 weeks to get on the job site. CDM will give Wharton-Smith a work directive to proceed with the submittal process and fabrication of the sump. CDM will expedite the shop drawing for the concrete sump. Wharton-Smith's well subcontractor will go to SWFWMD to get the well permit and start work on Thursday or Monday. The main problem with the submittal was the water well control panel. Betty Evans stated the check valve, pressure relief valve, and control panel was all resubmitted to CDM Thursday of last week. Craig Osmanski informed Wharton-Smith to ensure the equipment is equal to that specified or the submittal may be rejected.

4. Field Observations, Problems and Conflicts

The force main and reuse line has been installed to the site limits by the County. The lines are reversed from the drawings. CDM and the Contractor will look at the sanitary lift station location and determine if it can be located away from the building and line up with the force main installed by the County.

5. Material, Fabrication and Deliveries

Crom Corporation will be mobilizing at the end of this month. The well pump and control panel will also be delivered to the site near the end of July 1996.

6. Schedule

CDM had a few comments regarding the schedule and forwarded them to Wharton-Smith. The schedule should be updated monthly as work progresses. Vince Manella explained the contract times are crucial on this project. If there is going to be a problem meeting the deadlines, the county needs to know ASAP.

7. Change Orders

Change Order No. 1: CDM and the Contractor have been negotiating final cost. The main concern CDM has is the acid storage tank and air compressor system cost. CDM just gave Wharton Smith updated plumbing drawings, based on RCC's equipment layout. There may be some cost associated with that work also. CDM has some shop drawings showing the electrical in relation to the MCC (by others) and forwarded them to Wharton-Smith.

8. Other Business

Craig Osmanski mentioned Pay Request No. 1 has been submitted to the County and the Contractor has been paid. Pay Request No. 2 went to the County on July 17, 1996.

The temporary electric service issue has been resolved by the Contractor.

Betty Evans explained that Wharton-Smith understands that Ogden Martin wants a letter showing County authorization to tie-in to the existing electrical equipment. Temporary electricity used is going to be metered and paid by the Contractor. Mr. Zikes (Ogden Martin plant manager) didn't have a problem with Wharton-Smith tying in for temporary electric service.

Bernie Klemann's is Wharton-Smith's project superintendent and his field office telephone number is (813) 857-9920, Beeper (813) 468-0069.

Wharton -Smith would like to get the resource and cost loaded data waived from the schedule requirements. Craig Osmanski stated he would speak with the Primavera person in our office and clarify. Ron Walker made a comment that the Resource Recovery Plant is going to be down October 6 through probably October 13, 1996. That is when they would like you to make the permanent electrical tie-in. All parties agreed.

Next Progress Meeting is Tuesday, 2:00, August 20, 1996.



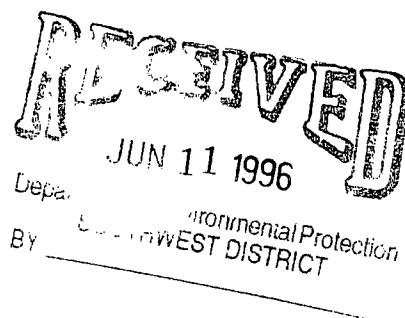
PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8040
FAX (813) 847-8064

UTILITIES CONSTRUCTION AND
CONTRACT MANAGEMENT DEPT.
PUB. WKS./UTILITIES BLDG., S-205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

June 5, 1996

Mr. Kim Ford
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318



RE: Pasco County
Leachate Storage Tank and Treatment Facility
County Bid No. 96-033
CDM PN 6104-31

Dear Mr. Ford:

For your information attached please find copy of letter dated May 31, 1996 from Camp Dresser & McKee Inc. referencing the above.

Should you have any questions or need additional information, please feel free to call me.

Sincerely,

Vincent Mannella, P.E.
Acting Utilities Construction
and Contract Management Director

VM/mr

Attachment

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)



Camp Dresser & McKee Inc.

environmental
services

17757 U.S. 19 North, Suite 200
Clearwater, Florida 34624
Tel: 813 530-9984 Fax: 813 536-5196

May 31, 1996

RECEIVED
JUN 11 1996

Depart. Environmental Protection
BY _____
SOUTHWEST DISTRICT

Mr. Grady Higginbotham
Project Manager
Wharton-Smith, Inc.
5600 Mariner Street, Suite 200
Tampa, Florida 33609-3417

Subject: Pasco County
Leachate Storage Tank and Treatment Facility
County Bid No. 96-033
CDM PN 6104-31

Dear Mr. Higginbotham:

Enclosed are three (3) copies of the minutes of the Preconstruction Conference for the Leachate Storage Tank and Treatment Facility held on May 28, 1996. Please distribute appropriate copies to Wharton-Smith, Inc. personnel who were in attendance at the conference.

Please call if you have any questions.

Very truly yours,

CAMP DRESSER & McKEE INC.

Craig P. Osmanski

cc: All Attendees

CS6.104

PASCO COUNTY, FLORIDA
LEACHATE STORAGE TANK AND TREATMENT FACILITY

PRECONSTRUCTION CONFERENCE
MAY 28, 1996
MEETING MINUTES

1.0 **INTRODUCTION AND SIGNING OF ATTENDANCE SHEET**

Everyone introduced themselves and Craig Osmanski of Camp Dresser & McKee Inc. read the following agenda.

2.0 **PERSONNEL**

Owner: Pasco County Government
Utilities Construction and Contract Management Department
Public Works/Utilities Building, Suite 205
7530 Little Road
New Port Richey, Florida 34654
Phone: 904/847-8040

- Director of Contract Services and Solid Waste:
Vince Mannella, P.E.

Engineer: Camp Dresser & McKee Inc.
One Tampa City Center, Suite 1750
Tampa, Florida 33602
Phone: 813/221-2833
Fax: 813/221-2279

- Client Officer: Daniel Strobridge
- Project Manager: John Banks, P.E.
- Construction Manager: Craig Osmanski, P.E.

Contractor: Wharton-Smith, Inc.
5600 Mariner Street
Suite 200
Tampa, Florida 33609-3417
Phone: 813/288-0068
Fax: 813/288-0371

- Vice President: Ray Flanagan
- Project Manager: Grady Higginbotham

- Betty Evans: Project Engineer
- Contractor Emergency Contacts:

Name	Day Phone	Night Phone
<u>Grady Higginbotham</u>	<u>(813) 288-0068</u>	<u>813-343-0530</u>
_____	_____	_____
_____	_____	_____

3.0 Brief Project Description

John Banks (CDM) mentioned the project involves construction of a large storage tank with a secondary containment structure around it. There is a treatment process building adjacent to the storage tank with concrete equipment pads nearby. Also, there is the associated yard piping and electrical, pumps and the other miscellaneous equipment involved in the project, including the electrical power supply connection at the resource recovery plant. Other process equipment will be supplied and installed by others and will have to be coordinated between both contractors and CDM.

4.0 Review of Work

4.1 Schedule

- Date of Notice of Intent to Award: March 15, 1996
- Date of Notice to Proceed: May 28, 1996
- Wharton Smith will apply for all applicable permits. If the permits don't get a quick turnaround, Vince Mannella will assist in expediting the permit approved process.
- Date Construction to Start: Grady Higginbotham (Wharton-Smith) requested four (4) sets of signed and sealed contract documents from CDM. CDM will provide them to Wharton-Smith as soon as possible. Wharton-Smith will begin clearing and grubbing operations in approximately two weeks.

The Contractor is responsible for complying with all applicable permits.

Within ten days after the Effective Date of the Agreement, the Contractor shall submit (in accordance with Section 01310, 01340 and 01370) the following:

- Construction Progress Schedule
- Shop Drawing Schedule
- Schedule of Values

Prior to submission of the first pay estimate, all of the above are to be finalized.

4.2 Correspondence

All correspondence shall be addressed to:

- Craig P. Osmanski
Construction Manager
Camp Dresser & McKee Inc.
17757 U.S. 19 North, Suite 200
Clearwater, Florida 34624

Vince Mannella (Pasco County) will be copied on all correspondence.

- What are the Contractor's requirements?

Correspondence will be addressed to Grady Higginbotham and then distributed in-house.

The following numbers shall appear on all correspondence for this project:

County Bid No. 96-033
CDM Project No. 6104-31

4.3 Contract Time

- Substantial Completion - 180 calendar days
- Final Completion - 210 calendar days
- Liquidated Damages for Delay - \$1,000.00 for each calendar day that expires after Substantial Completion and \$500.00 for each calendar day that expires after Final Completion.

5.0 SCHEDULE OF VALUES (SECTION 01370)

- See Specification Section 01370 for form and content.
- Shall be approved by engineer prior to first Application for Payment.

6.0 APPLICATION FOR PAYMENT (SECTION 01152)

- Applications for Payment shall be submitted to CDM (Attn.: Craig Osmanski) for review.

Prior to the third Friday of each month, the contractor's field superintendent and CDM's on-site representative will review a pencil copy of the Schedule of Values and agree on quantities prior to submitting the six (6) original pay requests. Vince Mannella (Pasco County) explained if the pay request is

submitted before the last Friday of the month, the contractor will be paid within 2-1/2 weeks.

- Submit six (6) copies of the final approved originally signed Application with "Surety Acknowledgment of Payment."
- Stored materials shall be paid for if they are stored on-site.
- Bills of Sale marked "Paid" shall accompany Application for Payment for materials stored on-site. Attach invoice to pay request.
- Retainage - 10% until Substantial Completion is obtained then it may be reduced to 2% until project completion. If the Contractor falls behind schedule or the quality of work is not adequate, the Owner may increase the retainage to 25% during the course of the work.

7.0 CHANGES AND MODIFICATIONS (SECTION 01153)

6.1 Change Orders/Proposals

1. Change Proposals are to be submitted to CDM including complete documentation/breakdown of costs for same.
2. Who is the Contractor's Representative to accept changes in the work?
Grady Higginbotham.

8.0 PROCEDURES FOR MAINTAINING RECORD DOCUMENTS (SECTION 01720)

1. During progress meetings, the set of Record Drawings kept by the Contractor shall be available for review by the Engineer.

9.0 SHOP DRAWINGS (SECTION 01340)

1. Only the General Contractor shall submit shop drawings to the Engineer for review (10 copies).
2. If a proposed "or equal" is submitted, the Contractor shall ensure in writing the following:
 - The product will perform adequately and achieve the same results.
 - The product will meet specification requirements.

3. Shop Drawings are to be submitted to Mr. Richard Nader (CDM) at the following address:

Mr. Richard J. Nader
Shop Drawing Coordinator
Camp Dresser & McKee Inc.
17757 U.S. 19 North, Suite 200
Clearwater, Florida 34624

10. **Utility Company and Outside Agency Concerns/Permits**

Pasco County has obtained their FDEP permit. Natural Gas will be stopping their gas line near the process building and the Contractor should coordinate the connection and tie-ins for the building. The power is coming from an existing substation west of the Boiler Building. The Contractor will be required to obtain a water well, building and electrical permit from the county.

11. **The County's Responsibilities Prior to Construction**

Natural Gas is going to install their line after the building is erected. The county is waiting for their schedule. Ray Flanagan (Wharton Smith) asked if there is a valve at the end of the gas line installation? CDM will clarify.

12. **Requirements of Special Project Procedures (Section 01100)**

Contractor to review and provide submittals as required. John Banks (CDM) explained there are 3 locations where the contractor is going to connect and continue utility lines installed by the County (leachate line, reuse line and sewer line). These lines will be terminated and marked (by 2x4) by the county. In addition, there is going to be an outside contractor from the equipment process vendor onsite installing other equipment outside this contract. This will need coordination between the two contractors and CDM. Sequence of work: the specifications talk about installing the concrete slab first, then constructing the building so the equipment process contractor can get on-site and begin installing the equipment. CDM will provide the contractor additional information available from the equipment vendor to clarify equipment anchor bolt locations in the concrete slab and building wall penetrations. CDM has obtained additional information regarding the equipment foundation slab and anchor bolt locations. The equipment vendor has also given CDM additional details on the grounding system location. This information will be forwarded to Wharton Smith.

Ray Flanagan (Wharton Smith) asked if CDM had received the shop drawings from the vendor? CDM has the foundation plan. The equipment vendor is bidding the project at this time. CDM has only some design drawings at this time. CDM will provide Wharton Smith with copies of design drawings and shop drawings as they are received.

13. **Contractor Requirements**

- a. Working Hours: Monday through Friday, 7:30 a.m. to 4:00 p.m.

Vince Mannella (County) requested a list of Wharton Smith's employees and vehicles that will be on site, so that the county can have a list at the front gate. The front gate opens at 7:00 a.m. Vince also instructed Wharton Smith to give equipment/material truck drivers good directions to the site. Wharton Smith has not chosen a foreman for the project at this time.

- b. Stored Materials Location - The contractor will coordinate with Ron Walker (County) for stored materials location. The contractor will pull temporary power from the temporary office/trailer power panel.

14. **Other Business**

Craig Osmanski (CDM) explained that the Owner is paying for geotechnical testing performed by PSI. They will be testing concrete cylinders and taking density tests on subgrade and backfill material. If there are retests for failed densities, the contractor will pay for the retest. CDM prefers the geotechnical firm bill the contractor directly.

The Contractor will provide CDM 24 hours notice to inspect steel reinforcing, prior to pouring concrete or any other critical activity.

Grady Higginbotham (Wharton Smith) mentioned that there is a lot of scrap metal on site including an old trailer. (Following the meeting, the county confirmed and will remove the miscellaneous debris from the site).

Grady Higginbotham explained the original contracts were returned today. The dates are not in the contracts. The signatures with dates of the County Commissioners are in the documents but are not on the bonds and other applicable locations. All parties agreed to right in the date of May 21, 1996 for the agreement and bonds.

Wharton Smith submitted their construction schedule, shop drawing schedule, shop drawings and Change Order No. 1 proposal following the meeting.

Meeting adjourned.

RE-CONSTRUCTION CONFERENCE

PASCO COUNTY UTILITIES

May 28, 1996 at 1:00 p.m.

Pasco County, Florida

JUN 03 1996

Leachate Storage Tank and Treatment Facility

County Bid No. 96-033

CDM Project No. 6104-31

AREA CODE & TEL. NO.	NAME (PLEASE PRINT)	REPRESENTING COMPANY & ADDRESS
813 530-9984	Craig Osmani	CDM, 17757 US 19 N. Suite 200, CLW 34624
941 351-7100	John Banks	CDM Sarasota FL 201 Montgomery Ave
813 861-3004	Ron Walker	PASCO
813 288-0068	Condy L. Higginbotham	Wharton-Smith Inc.
813 288-0068	BETTY EVANS	WHARTON SMITH
813 221-2833	Dan Stodbridge	CDM
813- 288-0068	RAY FLANNAGAN	WHARTON - SMITH INC.
813 847 8040	THOMAS MISSIMER	PASCO COUNTY UTILITIES SOLID WASTE FACILITY MANAGER
813-847-8040	Vince Mannella	Act. Dir. Cont. Control Management



PASCO COUNTY, FLORIDA

RECEIVED
MAY 21 1996

Department of Environmental Protection
SOUTHWEST DISTRICT

By ~~UTILITIES CONSTRUCTION AND~~
CONTRACT MANAGEMENT DEPT.
PUB. WKS./UTILITIES BLDG., S-205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

DADE CITY (904) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8040
FAX (813) 847-8064

May 17, 1996

Mr. Kim Ford
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Pasco County, Leachate Storage Tank and Treatment Facility
Permit No. SC51-277316

Dear Mr. Ford:

Pursuant to the above referenced permit, Specific condition No. 4, be advised of the following notice.

There will be a pre-construction meeting in Pasco County on May 22, 1996.

Sincerely,

Vincent Mannella, P.E.
Acting Utilities Construction
and Contract Management Director

VM/mr

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)

FAX 5/17/96
Hard Copy to follow



PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
 LAND O' LAKES (813) 996-7341
 NEW PORT RICHEY (813) 847-8040
 FAX (813) 847-8064

UTILITIES CONSTRUCTION AND
 CONTRACT MANAGEMENT DEPT.
 PUB. WKS./UTILITIES BLDG., S-205
 7530 LITTLE ROAD
 NEW PORT RICHEY, FL 34654

May 17, 1996

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 Florida Department of
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 3804 Coconut Palm Drive
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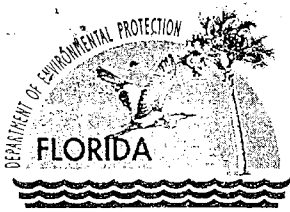
cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)

FAX 5/17/96
 Hard Copy to follow

Post-it Fax Note	7671	Date	5/17/96	# of pages	1
To	KIM FORD	From	VINCE MANNELLA		
Co/Dept	FDEP	Co	PASCO COUNTY UTILITIES		
Phone #		Phone #	813-847-8060		
Fax #	744-6125	Fax #	813-847-8064		

Transmit Confirmation Report

No. : 002
Receiver : 8-1-813-847-8064
Transmitter : WASTE MGT TAMPA SWDIST
Date : May 17 96 9:03
Time : 09:57
Mode : Fine
Pages : 12
Result : OK



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

MAY 17 1996

Pasco County Board of
County Commissioners
c/o Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

Post-it® Fax Note	7671	Date	5/17/96	# of pages	12
To	VINEE MANELLA	From	KIM FORD		
Co./Dept.	SW Dept	Co.	Solid Waste - DEP		
Phone #		Phone #	744-6100		
Fax #	882-8064	Fax #	744-6125		

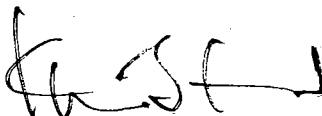
Dear Mr. Bramlett:

Enclosed is Permit Number SC51-277316 for the Pasco County Leachate Storage Tank and Treatment Facility, issued pursuant to Section(s) 403.087(1), Florida Statutes.

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

Executed in Tampa Florida.

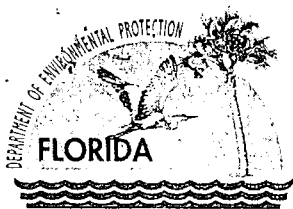
STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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

KBF/ab
Attachment

cc: Vince Mannella, P.E., Pasco County
Daniel Strobbridge, CDM Tampa
Kathy Anderson, FDEP Tallahassee
Steve Morgan, FDEP Tampa



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

MAY 17 1996

Pasco County Board of
County Commissioners
c/o Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

Dear Mr. Bramlett:

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Executed in Tampa Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

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

KBF/ab
Attachment

cc: Vince Mannella, P.E., Pasco County
Daniel Strobridge, CDM Tampa
Kathy Anderson, FDEP Tallahassee
Steve Morgan, FDEP Tampa

Mr. Douglas Bramlett
Pasco County
Permit No.: SC51-277316

MAY 17 1996
Page Two

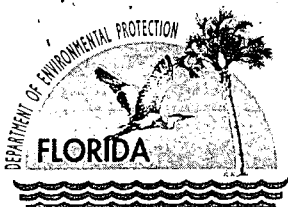
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on MAY 17, 1996 to the listed persons.

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

Anna Black
Clerk

MAY 17 1996
Date



Department of Environmental Protection

Lawton Chiles
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Virginia B. Wetherell
Secretary

PERMITTEE

Pasco County Board of
County Commissioners
c/o Douglas Bramlett
7536 State Street
New Port Richey, FL 33654

PERMIT/CERTIFICATION

GMS ID No: 4051M30035
Permit No: SC51-277316
Date of Issue: MAY 17 1998
Expiration Date: 07/01/98
County: Pasco
Lat/Long: 28°22'30"
82°34'00"
Sec/Town/Rge: 25/24S/17E
Project: Pasco County
Leachate Storage Tank
and Treatment Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-701 (formerly 17-4 and 17-701). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To construct a solid waste leachate storage tank and treatment facility adjacent to the existing Resource Recovery Facility, subject to the conditions attached, located near Hays Road, 2 miles north of S.R. 52, Springhill, Pasco County, Florida. The specific conditions attached are for the construction activities for:

1. Leachate Storage Tank and Treatment Facility

Replaces Permit Number: N/A, New Facility

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

GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403-859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

GENERAL CONDITIONS:

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

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

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

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

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

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

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

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

GENERAL CONDITIONS:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT)
 - (b) Determination of Prevention of Significant Deterioration (PSD)
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - (d) Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

PERMITTEE: Pasco County SCC

PERMIT NO.: SC51-277316

Pasco County Leachate Storage Tank and Treatment Facility

GENERAL CONDITIONS:

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

SPECIFIC CONDITIONS:

1. Permit Application Documentation. This permit is valid for construction and installation of the leachate storage tank and treatment facility in accordance with:

- January 1996 Specifications by CDM received March 22, 1996;
- Addendum #1 dated January 23, 1996 and Addendum #2 dated February 5, 1996, received March 22, 1996;
- January 1996 Construction plans by CDM received March 25, 1996;
- Geotechnical Report dated March 14, 1996 by PSI received April 22, 1996;

and in accordance with all applicable requirements of Department rules. Construction activities approved as part of this permit shall be completed by **March 1, 1997**, or earlier if required for continued compliance with Department rules.

2. Permit Modifications. Any construction not previously approved as part of this permit will require a separate Department permit unless the Department determines a permit modification to be more appropriate. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification, which is reasonably expected to lead to substantially different environmental impacts, and which requires a detailed review by the Department, is considered a substantial modification.

3. Construction Plans. At least **thirty (30) days** prior to initiation of construction activities, a complete set of plans and specifications to be used for construction, shall be submitted to the Department. All changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department) shall be noted on the plans. Substantial changes in the plans shall require a permit modification. A re-certification of any alternate design by the design engineer is required. Alternate designs shall be approved by the Department prior to construction. Shop drawings for the tank shall be provided to the Department prior to construction to verify conformance with construction plans and acceptable design standards.

4. Pre-Construction Meeting Notification. The Department Solid Waste Permitting staff shall be notified **72 hours** before all pre-construction meetings with the contractor. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all substantial plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department within **two (2) weeks** after the conference.

SPECIFIC CONDITIONS:

5. **Construction Schedule and Progress Report.** No later than two (2) weeks after the pre-construction conference, the owner or operator shall submit a construction schedule which includes estimated dates for each phase of the construction to the Department. The Engineer of Record or another qualified professional engineer shall make periodic inspections during construction to ensure that design integrity is maintained. An updated construction schedule and progress chart shall be submitted to the Department monthly.

6. **Quality Assurance.** Liner systems shall have a construction quality assurance plan to provide personnel with adequate information to achieve continuous compliance with the liner construction requirements. The plan shall include or refer to specifications and construction methods which use established engineering practices to construct a liner system and provide for quality control testing procedures and sampling frequencies. Sampling and testing shall be conducted in the field by trained personnel during construction and after construction completion. Such personnel will be under the direction of the construction quality assurance professional engineer, to assure the liner system will comply with the standards. The engineer or his designee shall be on-site at all times during liner system construction to monitor construction activities.

7. **Certification of Construction Completeness.** Within sixty (60) days after all specified construction has been completed, the following activities shall be completed:

a. The owner or operator shall submit a Certification of Construction Completion, Form 62-701.900(2), signed and sealed by the professional engineer in charge of construction and quality assurance to the Department for approval, and shall arrange for Department representatives to inspect the construction in the company of the permittee, the engineer, and the facility operator.

b. The owner or operator shall submit Record Drawings showing all changes (i.e. all additions, deletions, revisions to the plans previously approved by the Department including site grades and elevations).

c. The owner or operator shall submit a narrative indicating all changes to plans and the cause of the deviations and certification by the design engineer to the Department.

d. The engineer of record shall provide a report to verify conformance with the standards and specifications required by FAC Rule 62-701.400. The report including all testing results for the entire liner system shall be submitted to the Department along with the completion of construction documents.

SPECIFIC CONDITIONS:

8. **Control of Nuisance Conditions.** The permittee shall be responsible for the control of odors and fugitive particulates arising from this construction and testing. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control disease vectors so as to protect the public health and welfare.
9. **Water Quality, Gas and Leachate Management.** Water quality, gas and leachate management systems shall be operated and maintained in accordance with the current site certification.
10. **Water Quality, Gas and Leachate Monitoring.** Water quality, gas and leachate shall be monitored in accordance with the current site certification.
11. **Testing Requirements.** The permittee shall be allowed twelve (12) months for operating and testing of the leachate storage tank and treatment facility to determine compliance with the rules and regulations of the Department. A report assessing the effectiveness of the leachate storage tank and treatment facility shall be submitted to the Department within ninety (90) days after the end of the first 3 months of operation. The report shall also include solids testing and characterization. Within twelve (12) months following construction completion and annually thereafter, those portions of the secondary containment liner which can be readily visually inspected shall be inspected for damage, repaired if necessary, and a report provided to the Department indicating the results of the inspection and any corrective measures undertaken, signed and sealed by a professional engineer.
12. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
13. **Permit Acceptance.** By acceptance of this Permit, the permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

PERMITTEE: Pasco County, LLC

PERMIT NO.: SC51-277316

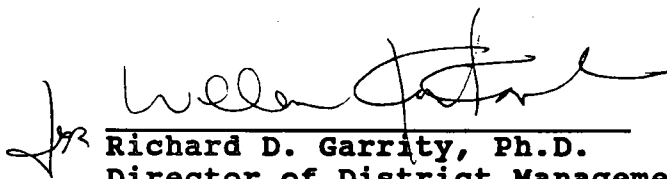
Pasco County Leachate Storage Tank and Treatment Facility

SPECIFIC CONDITIONS:

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

Executed in Tampa, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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


ATTACHMENT 1

SPECIFIC CONDITION	SUBMITTAL DUE DATE	REQUIRED ITEM
1.	March 1, 1997	Construction complete
3.	30 days prior to construction	Submit complete plans and specifications, noting changes
4.	72 hours prior to meeting	Notify Department of pre- construction meetings
4.	2 weeks after meeting	Submit minutes of pre- construction meeting
5.	2 weeks after meeting	Submit construction schedule
5.	Monthly	Submit update construction schedule
7.	Within 60 days after construction is complete	Submit Certification of Construction Completion, Arrange for inspection, submit Record Drawings, submit narrative describing all deviations
11.	Within 90 days after 3 months of operation	Submit assessment report

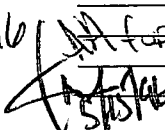
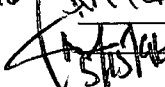
Memorandum

Florida Department of
Environmental Protection

PERMIT COVER MEMO

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

FROM/THROUGH:

_____, ENVIRONMENTAL ADMINISTRATOR
_____, PROGRAM SUPERVISOR
5/16/96  BOB BUIRIS 4/24/96, SECTION SUPERVISOR
5/15/96  KIM FORN 4/23/96, ENG, ENV SPEC, GEOLOGIST

DATE: 4/23/96

FILE NAME: PASCO TANK & TREATMENT CASE #: SCS-211316
PROGRAM: SOLID WASTE COUNTY: PASCO

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

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

PERMIT SUMMARY: THIS PERMIT IS TO ALLOW
CONSTRUCTION OF A LEACHATE STORAGE TANK
AND TREATMENT FACILITY AND RELATED
COMPONENTS AT THE EXISTING RESOURCE
RECOVERY FACILITY SITE, FOR EVAPORATION
OF LEACHATE FROM ASH FILLED DISPOSAL AREAS.

PROFESSIONAL RECOMMENDATION: ☒ APPROVE ☐ DENY

EVALUATION SUMMARY: I RECOMMEND THIS
PERMIT BASED ON A REVIEW OF RELATED PLANS
AND CORRESPONDENCE

THIS FACILITY WILL PREVENT DISCHARGE TO NEARBY WWTP
AND ASSOCIATED PROBLEMS IN AN EFFORT TO
RESOLVE THE RELATED COST ORDER.

FORWARDED 4/30/96, 14 DAY UPON 5/15/96, NO PETITION

DAY 90/30 FOR THIS ACTION IS APR 16-20-96

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

Date: 24-Apr-1996 04:05pm EST
From: Kim Ford TPA
FORD K
Dept: Southwest District Offi
Tel No: 813/620-6100
SUNCOM: 542-6100 Ext. 382

Subject: W. PASCO LEACHATE TANK AND TREATMENT


Currently, leachate from the ash disposal unit is piped to the Shady hills WWTP. This has contributed to groundwater violations in the monitoring network at the WWTP. Subsequently, DEP's DW Section has sent a draft consent order to Pasco County for implementing corrective actions which include an alternative method of ash leachate treatment. The deadline in the C.O. for construction completion is December 1, 1996.

The construction permit application submitted to the solid waste section includes a 2 MG leachate storage tank and evaporator for leachate treatment. As the design shows, leachate enters the tank as it is removed from the landfill, stored and piped at 30,000 gpd to the evaporator. As the leachate is evaporated, distilled water is produced and piped to a tank for use as make-up water in the W-T-E cooling towers. Resulting semi-solids enter a drying chamber producing solids that are stored in a baghouse and eventually bagged and disposed of in the ash monofill.

CERTIFICATION

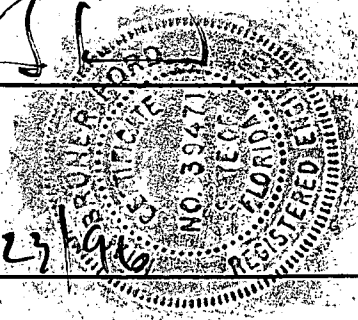
Application No. SC51-277316

I HEREBY CERTIFY that the engineering features described in the above referenced application (provide/~~do not provide~~) reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).


(Signed)

4/23/96
(Date)

(Seal)





Lawton Chiles
Governor

Florida Department of Environmental Protection

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

Virginia B. Wetherell
Secretary

FAX TRANSMITTAL SHEET

5/14/00
Date

FAXED

TO:

VINCE MANNEIA

DEPT.: SOLID WASTE MANAGEMENT

FAX #: (813) 847-8064

FROM:

Kim Ford

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

PHONE: 813-744-6100 or SunCom 542-6100 Ext. 382
FAX (local) 744-6125 or (SunCom) 542-6125

SUBJECT:

PERMIT CONDITIONS FOR TANK & TP.

COMMENT:

PLS CALL & LEAVE

VOICE MAIL THAT

THESE ARE OK IF SO.

my extension is 382 - 744

TOTAL NUMBER OF PAGES, INCLUDING COVER PAGE:

4

RECEIVED BY: _____

PHONE: _____

SPECIFIC CONDITIONS:

DRAFT

1. **Permit Application Documentation.** This permit is valid for construction and installation of the leachate storage tank and treatment facility in accordance with:

- January 1996 Specifications by CDM received March 22, 1996;
- Addendum #1 dated January 23, 1996 and Addendum #2 dated February 5, 1996, received March 22, 1996;
- January 1996 Construction plans by CDM received March 25, 1996;
- Geotechnical Report dated March 14, 1996 by PSI received April 22, 1996;

and in accordance with all applicable requirements of Department rules. Construction activities approved as part of this permit shall be completed by **March 1, 1997**, or earlier if required for continued compliance with Department rules.

2. **Permit Modifications.** Any construction not previously approved as part of this permit will require a separate Department permit unless the Department determines a permit modification to be more appropriate. Permits shall be modified in accordance with the requirements of 62-4.080, F.A.C. A modification, which is reasonably expected to lead to substantially different environmental impacts, and which requires a detailed review by the Department, is considered a substantial modification.

3. **Construction Plans.** At least **thirty (30) days** prior to initiation of construction activities, a complete set of plans and specifications to be used for construction, shall be submitted to the Department. All changes (i.e., all additions, deletions, revisions to the plans previously approved by the Department) shall be noted on the plans. Substantial changes in the plans shall require a permit modification. A re-certification of any alternate design by the design engineer is required. Alternate designs shall be approved by the Department prior to construction. Shop drawings for the tank shall be provided to the Department prior to construction to verify conformance with construction plans and acceptable design standards.

4. **Pre-Construction Meeting Notification.** The Department Solid Waste Permitting staff shall be notified **72 hours** before all pre-construction meetings with the contractor. Prior to initiating construction activities, the permittee shall make arrangements for the Engineer of Record to meet on site and discuss all substantial plan changes with Department Solid Waste Permitting Staff of the Southwest District Office. A copy of the minutes from the pre-construction conference shall be submitted to the Department within **two (2) weeks** after the conference.

SPECIFIC CONDITIONS:

DRAFT

8. **Control of Nuisance Conditions.** The permittee shall be responsible for the control of odors and fugitive particulates arising from this construction and testing. Such control shall minimize the creation of nuisance conditions on adjoining property. Complaints received from the general public, and confirmed by Department personnel upon site inspection, shall constitute a nuisance condition, and the permittee must take immediate corrective action to abate the nuisance. The owner or operator shall control disease vectors so as to protect the public health and welfare.
9. **Water Quality, Gas and Leachate Management.** Water quality, gas and leachate management systems shall be operated and maintained in accordance with the current site certification.
10. **Water Quality, Gas and Leachate Monitoring.** Water quality, gas and leachate shall be monitored in accordance with the current site certification.
11. **Testing Requirements.** The permittee shall be allowed twelve (12) months for operating and testing of the leachate storage tank and treatment facility to determine compliance with the rules and regulations of the Department. A report assessing the effectiveness of the leachate storage tank and treatment facility shall be submitted to the Department **within ninety (90) days** after the end of the first 3 months of operation. The report shall also include solids testing and characterization. **Within twelve (12) months** following construction completion and annually thereafter, those portions of the secondary containment liner which can be readily visually inspected shall be inspected for damage, repaired if necessary, and a report provided to the Department indicating the results of the inspection and any corrective measures undertaken, signed and sealed by a professional engineer.
12. **Professional Certification.** Where required by Chapter 471 (P.E.) or Chapter 492 (P.G.), Florida Statutes, applicable portions of permit applications and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.
13. **Permit Acceptance.** By acceptance of this Permit, the permittee certifies that he/she has read and understands the obligations imposed by the Specific and General Conditions contained herein and also including date of permit expiration and renewal deadlines. It is a violation of this permit for failure to comply with all conditions and deadlines.

ATTACHMENT 1

SPECIFIC
CONDITION

SUBMITTAL
DUE DATE

REQUIRED
ITEM

DRAFT

-
- | | | |
|-----|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | March 1, 1997 | Construction complete |
| 3. | 30 days prior to construction | Submit complete plans and specifications, noting changes |
| 4. | 72 hours prior to meeting | Notify Department of pre-construction meetings |
| 4. | 2 weeks after meeting | Submit minutes of pre-construction meeting |
| 5. | 2 weeks after meeting | Submit construction schedule |
| 5. | Monthly | Submit update construction schedule |
| 7. | Within 60 days after construction is complete | Submit Certification of Construction Completion, Arrange for inspection, submit Record Drawings, submit narrative describing all deviations |
| 11. | Within 90 days after 3 months of operation | Submit assessment report |

Transmit Confirmation Report

No. : 013
Receiver : 8-1-813-847-8064
Transmitter : WASTE MGT TAMPA SWDIST
Date : May 14 96 16:20
Time : 03'28
Mode : Fine
Pages : 04
Result : OK

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
SOUTHWEST DISTRICT

CONVERSATION RECORD

Date 5/13/96 Subject 6 pasco tank permits
Time 3:30 Permit No. 9251-277316
County PASCO
M. Vince Mammola Telephone No. _____

Representing PASCO County

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

Other Individuals Involved in Conversation/Meeting _____

DAN SPROBIDGE - CDM

Summary of Conversation/Meeting _____

MR MAMMOLA CALLED TO DISCUSS IN

DETAIL A NUMBER OF CONCERNS AS EXPRESSED IN
HIS MAY 6, 1996 LETTER REGARDING THE WORDING OF
A NUMBER OF SPECIFIC CONDITIONS &

SOME OF HIS SUGGESTIONS WERE ACCEPTED & SOME
WERE NOT. MR MAMMOLA SAID HE WOULD

COMMENT ON THE REVISED CONDITIONS PRIOR TO

ISSUANCE WITH THE WORDING AGREED TO BY PHONE.

(THE CONDITIONS REVISED CONTAINED REQUIREMENTS THAT
ARE NOT SPECIFICALLY IN DEP RULES)

* V.M. CALLED BY VOICE MAIL SAID REVISED WORDING, 3/14/96

(continue on another
sheet, if necessary)

Signature [Signature]

Title _____

EVALUATOR



PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
 LAND O' LAKES (813) 996-7341
 NEW PORT RICHEY (813) 847-8145
 FAX (813) 847-8064

UTILITIES SERVICES BRANCH
 PUB. WKS./UTILITIES BLDG., S-213
 7530 LITTLE ROAD
 NEW PORT RICHEY, FL 34654

May 6, 1996

Dr. Richard D. Garrity, Ph.D.
 Director of District Management
 Southwest District
 Florida Department of
 Environmental Protection
 3804 Coconut Palm Drive
 Tampa, FL 33619-8318

RE: FDEP Permit to Construct a Leachate Storage
 Tank and Treatment Facility Adjacent to the
 Existing Resource Recovery Facility

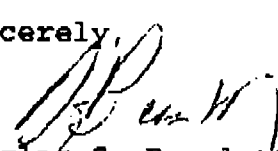
Dear Dr. Garrity:

Pursuant to the Notice of Intent to Issue Permit, enclosed please find the original Proof of Publication for the above-referenced project, as required by Chapter 62-103.150, Florida Administrative Code.

We request issuance of permit as soon as the 14 days to file petitions has elapsed, so that we may proceed with this project.

Your assistance is appreciated and if you have any questions, please do not hesitate to contact me at the above-listed telephone number.

Sincerely,


 Douglas S. Bramlett
 Assistant County Administrator
 (Utilities Services)

DSB/mvv

Enclosure

cc: Vincent E. Mannella, P.E., Acting Utilities Construction and
 Contract Management Director

Post-it™ Fax Note	7671	Date	5/10	# of pages	2
To	KIM FORD	From	VINCE MANNELLA		
Co./Dept.	DEP	Co.	PASCO COUNTY UTILITIES		
Phone #		Phone #	813-847-8064		
Fax #	744-6125	Fax #	813-847-8064		

AD NBR: 961173221

STATE OF FLORIDA }
COUNTY OF PASCO } S.S.**pasco times**Published Daily
Port Richey, Pasco County, FloridaBefore the undersigned authority personally appeared Cynthia A. Capone
who on oath says that he is Legal Clerk
of the Pasco Timesa daily newspaper published at Port Richey, in Pasco County, Florida; that the
attached copy of advertisement being a Legal Notice
in the matter RE: NOTICE OF PROPOSED AGENCY ACTION ON PERMIT
APPLICATIONin the _____ Court
was published in said newspaper in the issues of April 30, 1996.Affiant further says the said Pasco Times is a newspaper
published at Port Richey, in said Pasco County, Florida, and that the said newspa-
per has heretofore been continuously published in said Pasco County, Florida,
each day and has been entered as second class mail matter at the post office in
New Port Richey, in said Pasco 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 has neither paid nor promised any person, firm, or corpora-
tion any discount, rebate, commission or refund for the purpose of securing
this advertisement for publication in the said newspaper.Cynthia A. CaponeSworn to and subscribed before
me this 30th day ofApril A.D. 1996
Diana J. Camp

Notary Public

DIANA J. CAMP
MY COMMISSION # CC302656 EXPIRES
AUGUST 10, 1997
BONDED THRU TROY PAW INSURANCE, INC.Personally known ☒ or produced identification
Type of identification produced _____Legal NoticeLegal NoticeSTATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PROPOSED AGENCY ACTION ON PERMIT
APPLICATIONThe Department gives notice of its intent to issue a permit to
Pasco County Board of County Commissioners, who applied
on September 11, 1995, to the Department of Environmental
Protection for a permit to construct a leachate storage tank
and treatment facility adjacent to the existing Resource Re-
covery Facility, located near Hays Road 2 miles north of
S.R. 52, Spring Hill, Pasco County, FL.Persons whose substantial interests are affected by the De-
partment's proposed permitting decision may petition for an
administrative proceeding (hearing) in accordance with
Section 120.57, Florida Statutes. The petition must contain
the information set forth below and must be filed (received)
in the Office of General Counsel of the Department at 2600
Blair Stone Road, Twin Towers Office Building, Tallahas-
see, Florida 32399-0400, within 14 days of publication of this
notice. Failure to file a request for hearing within this time
shall constitute a waiver of any right such person may have
to request an administrative determination (hearing) under
section 120.57 Florida Statutes.The Petition shall contain the following information: (a) The
name, address, and telephone number of each petitioner, the
applicant's name and address, the Department Permit File
Number and the county in which the project is proposed; (b)
A statement of how and when each petitioner received notice
of the Department's action or proposed action; (c) A state-
ment of how each petitioner's substantial interests are af-
fected by the Department's action or proposed action; (d) A
statement of the material facts disputed by Petitioner, if
any; (e) A statement of facts which petitioner contends war-
rant reversal or modification of the Department's action or
proposed action; (f) A statement of which rules or statutes
petitioner contends require reversal or modification of the
Department's action or proposed action; and (g) A state-
ment of the relief sought by petitioner, stating precisely the
action petitioner wants the Department to take with respect
to the Department's action or proposed action.If a petition is filed, the administrative hearing process is
designed to formulate agency action. Accordingly, the De-
partment's final action may be different from the position
taken by it in this Notice. Persons whose substantial inter-
ests will be affected by any decision of the Department with
regard to the application have the right to petition to become
a party to the proceeding. The petition must conform to the
requirements specified above and be filed (received) within
fourteen (14) 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 Section 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 60-103.155, Florida Administrative
Code.The application is available for public inspection during nor-
mal business hours, 9:00 a.m. to 5:00 p.m., Monday through
Friday, except legal holidays, at 3804 Coconut Palm Drive,
Tampa, Florida 33619-8318.
(961173221) 4/26

(SEAL)



PASCO COUNTY, FLORIDA

RECEIVED

MAY 09 1996

DADE CITY (352) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8040
FAX (813) 847-8064

UTILITIES CONSTRUCTION AND
CONTRACT MANAGEMENT DEPT.
PUB. WKS./UTILITIES BLDG., S-205
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654
Department of Environmental Protection
BY SOUTHWEST DISTRICT

May 6, 1996

Mr. Kim Ford, P.E.
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: Comments on Draft Permit Conditions,
FDEP File No. SC51-277316

Dear Mr. Ford:

We have the following comments on the subject draft permit:

✓ Specific Condition No. 1 requires that the construction be complete by December 1, 1996. We do not anticipate construction completion at this time until after January 1997. We also question the appropriateness of incorporating a completion date in a permit. Please delete the last sentence of Specific Condition No. 1. No

✓ Specific Condition No. 2: To be consistent with other language throughout, please change the word "substantial" to "significant" (next to last word in S.C. No. 2).

✓ Specific Condition No. 3 language appears to indicate that any change, no matter how insignificant, needs to be approved by the FDEP. We do not believe that this is what was intended nor is it in the best interests of Pasco County or environmental protection to implement this procedure. We suggest deleting the last three full sentences beginning with, "All changes in the plans. . . ." and inserting the following: "All changes in the plans which materially alter the design or design concept shall require recertification by the design engineer and approval by the Department prior to construction. Shop drawings for the leachate storage tank shall be provided to the Department prior to construction."

✓ Specific Condition No. 4: We question why the Department needs to attend pre-construction meetings with the contractor. The agreements and relationships

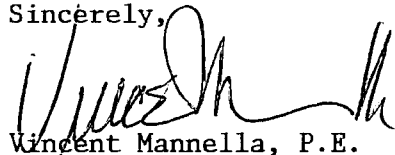
between the County and its contractors are exclusive to the parties to the contracts. We request that the first two sentences be deleted beginning with, "The Department of Solid Waste Permitting staff . . ." through ". . . of the Southwest District Office." The County is most happy to furnish the Department with a copy of meeting minutes.

Specific Condition No. 11 appears to have a conflict in the timing for reporting. We suggest that the report assessing the effectiveness of the leachate tank and treatment facility be submitted to the Department 60 days after the first full year of continuous operation. We would also like some clarifying language concerning inspection of the secondary containment system. The following is the proposed language for Specific Condition No. 11 in legislative draft format:

The permittee shall be allowed twelve (12) months ~~for the operating and testing of the leachate storage and treatment facility to~~ determine compliance with the rules and regulations of the Department. A report assessing the effectiveness of the leachate storage tank and the treatment facility shall be submitted to the Department within sixty (60) days after the first full year of continuous operations ~~end of the first three months of operation~~. The report shall also include solids testing and characterization. Within twelve months following construction completion and annually thereafter, those portions of the secondary containment liner which can be readily visually inspected ~~which can be readily visually inspected~~ shall be inspected for damage, repaired if necessary, and a report provided to the Department indicating showing the results of the inspections and any corrective measures ~~actions~~ undertaken if necessary, signed and sealed by a professional engineer. No
- 11/10/02

Thank you for this opportunity to comment. If you have any questions, feel free to contact me.


Sincerely,



Vincent Mannella, P.E.
Acting Utilities Construction
and Contract Management Director

VM/r050602:ltr

cc: Daniel E. Strobbridge, Camp Dresser & McKee Inc., One Tampa City Center,
Suite 1750, Tampa, FL 33602

 Douglas S. Bramlett, Assistant County Administrator (Utilities Services)



PASCO COUNTY, FLORIDA

Waste Kim
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DADE CITY (904) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8145
FAX (813) 847-8064

Department of Environmental Protection
UTILITIES SERVICES BRANCH
PUB. WKS./UTILITIES BLDG., S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

May 6, 1996

Dr. Richard D. Garrity, Ph.D.
Director of District Management
Southwest District
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RE: FDEP Permit to Construct a Leachate Storage
Tank and Treatment Facility Adjacent to the
Existing Resource Recovery Facility

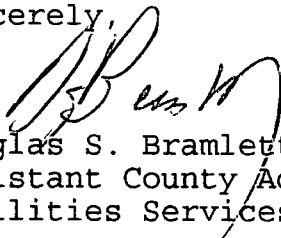
Dear Dr. Garrity:

Pursuant to the Notice of Intent to Issue Permit, enclosed please find the original Proof of Publication for the above-referenced project, as required by Chapter 62-103.150, Florida Administrative Code.

We request issuance of permit as soon as the 14 days to file petitions has elapsed, so that we may proceed with this project.

Your assistance is appreciated and if you have any questions, please do not hesitate to contact me at the above-listed telephone number.

Sincerely,


Douglas S. Bramlett
Assistant County Administrator
(Utilities Services)

DSB/mvv

Enclosure

cc: Vincent E. Mannella, P.E., Acting Utilities Construction and
Contract Management Director

AD NBR: 961173221

STATE OF FLORIDA } S.S.
COUNTY OF PASCO }

pasco times
Published Daily
Port Richey, Pasco County, Florida

Before the undersigned authority personally appeared Cynthia A. Capone
who on oath says that he is Legal Clerk
of the Pasco Times
a daily newspaper published at Port Richey, in Pasco County, Florida: that the
attached copy of advertisement, being a Legal Notice
in the matter RE: NOTICE OF PROPOSED AGENCY ACTION ON PERMIT
APPLICATION

_____ in the _____ Court
was published in said newspaper in the issues of April 30, 1996.

Affiant further says the said Pasco Times is a newspaper
published at Port Richey, in said Pasco County, Florida, and that the said newspa-
per has heretofore been continuously published in said Pasco County, Florida,
each day and has been entered as second class mail matter at the post office in
New Port Richey, in said Pasco 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 has neither paid nor promised any person, firm, or corpora-
tion any discount, rebate, commission or refund for the purpose of securing
this advertisement for publication in the said newspaper.

Cynthia A. Capone

Sworn to and subscribed before
me this 30th day of

April A.D. 1996
Diana J. Camp
Notary Public



DIANA J. CAMP
MY COMMISSION # CC302655 EXPIRES
August 10, 1997
BONDED THRU TROY FAIN INSURANCE, INC.

Personally known ☒ or produced identification _____
Type of identification produced _____

(SEAL)

Legal Notices Legal Notices
**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PROPOSED AGENCY ACTION ON PERMIT
APPLICATION**

The Department gives notice of its intent to issue a permit to Pasco County Board of County Commissioners, who applied on September 11, 1995, to the Department of Environmental Protection for a permit to construct a leachate storage tank and treatment facility adjacent to the existing Resource Recovery Facility, located near Hays Road 2 miles north of S.R. 52, Spring Hill, Pasco County, FL.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Failure to file a request for hearing within this time shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under section 120.57 Florida Statutes.

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within fourteen (14) 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 Section 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 62-103.155, Florida Administrative Code.

The application 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 3804 Coconut Palm Drive, Tampa, Florida 33619-8318.
(961173221) 420

MAY 06 1996

MAY 06 1996