

**SCS ENGINEERS**

June 2, 1999  
File No. 0995029.14

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

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

JUN - 2 1999

SOUTHWEST DISTRICT  
TAMPA

Subject: Construction Completion, Phase VI Activation  
Southeast County Landfill, Hillsborough County, Florida  
Operation Permit No. SO29-256427

Dear Mr. Ford:

On behalf of the Hillsborough County Solid Waste Management Department (HCSWMD), SCS Engineers (SCS) is pleased to provide the construction certification for the activation of Phase VI of the Southeast County Landfill. Activities 1 through 6 of Section 3.2.2, as outlined in the Leachate Management Plan (LMP) dated December 31, 1998, were completed. Rain tarp installed previously was removed and replaced as needed to make the internal berm connections between Phases III and VI and Phases IV and VI. Our comments regarding the completion of these activities are listed below:

- 1. Install rain tarp over inactive areas of Phase VI and inspect the existing liner boot of stormwater inlet No. 2 and boot tarp to stormwater inlet No. 2.**

The rain tarp installation was completed on March 3, 1999. SCS was on site to observe the installation on a full-time basis. Inspection of liner boot around stormwater inlet No. 2 was completed by Matt Matthews on February 1, 1999. The liner boot was found to be in good condition.

- 2. Install the pump from TPS-3 into PPS-A.**

The pump was relocated and the piping system was completed per the LMP on May 10, 1999.

- 3. Connect the discharge from PPS-B into PPS-A.**

The connection was completed on May 6, 1999 (Photograph No. 1).

- 4. Open LCRS valves No. 1, 2, 3, and 6. LCRS valve No. 5 will remain closed.**

Valve Number 6 was opened on May 11, 1999, and Valves No. 1, 2, and 3 were opened on May 25, 1999 (Photographs No. 2 through No. 5).



D.E.P.

JUN 02 1999

Southwest District Tampa



5. **Remove TPS-3 and connect the LCRS header to PPS-B. Remove TPS-4 and TPS-5 and related 6-inch diameter force main in Phase VI as shown on the Phase VI Activation Plan on Drawing No. 3 Attachment A.**

Removal of Temporary Pump Station No. 3 (TPS-3) and Temporary Pump Station No. 4 (TPS-4) began on May 12 and was completed on May 14, 1999. Temporary Pump Station No. 5 (TPS-5) was removed on May 25, 1999.

Specific Condition No. 31 of the Operation Permit required leachate sampling to be collected at TPS-3 and TPS-5. Since these pump stations are removed, the HCSWMD will continue leachate sampling by grab sample at Permanent Pump Station A (PPS-A).

6. **Connect the LCRS between Phases VI, III, and IV by constructing trenches through the interior lined berm at the locations shown on Drawing No. 3 of Attachment A. Remove and replace tarp as needed.**

The internal berm connections between Phase VI and Phases III and IV were completed as shown on Table 1 (Photographs 9 through 28).

**TABLE 1. INTERNAL BERM TRENCH CONNECTIONS**

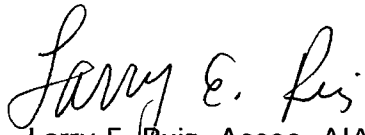
<b>Trench No.</b>	<b>Trench Type</b>	<b>Date Completed</b>
15	Chipped tires	May 12, 1999
16	Chipped tires	May 14, 1999
14	Chipped tires	May 14, 1999
13	Chipped tires	May 17, 1999
12	Chipped tires	May 17, 1999
11	Chipped tires	May 18, 1999
10	Chipped tires	May 19, 1999
2	Gravel with 8-inch diameter HDPE pipe	May 20, 1999
3	Gravel with 8-inch diameter HDPE pipe	May 20, 1999
5	Gravel with 8-inch diameter HDPE pipe	May 21, 1999
6	Gravel with 8-inch diameter HDPE pipe	May 21, 1999
4	Gravel with 8-inch diameter HDPE pipe	May 25, 1999

A signed and sealed Florida Department of Environmental protection (FDEP) Form #62-701.900(2), Certification of Construction Completion of Solid Waste Management Facility is included as Attachment 1. SCS was on site to observe and photograph the Phase VI activation activities and the construction photographs are contained in Attachment 2. This construction completes the activities for Phase VI Activation.

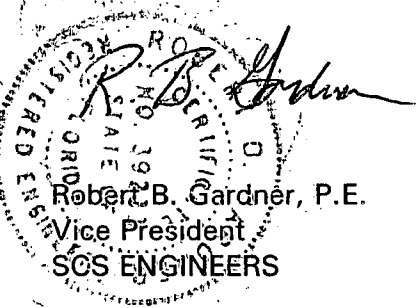
Mr. Kim B. Ford  
June 2, 1999  
Page 3

Please call if you have any questions.

Very truly yours,



Larry E. Ruiz, Assoc. AIA  
Project Manager



Robert B. Gardner, P.E.  
Vice President  
SCS ENGINEERS

LER/RBG:scv  
Attachments

cc: Patricia V. Berry, HCSWMD  
Paul Schipfer, EPC



**ATTACHMENT 1  
CERTIFICATION OF CONSTRUCTION COMPLETION  
OF A  
SOLID WASTE MANAGEMENT FACILITY**



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

DEP Form #	62-701.300271
Form Title	Certificate of Construction Completion
Effective Date	May 19, 1994
DEP Application No.	(Filed by DEP)

### Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No.: SO29-256427 County: Hillsborough  
 Name of Project: Southeast County Landfill  
 Name of Owner: Hillsborough County  
 Name of Engineer: SCS Engineers  
 Type of Project: Phase VI Activation

Cost: Estimate \$ N/A Actual \$ N/A  
 Site Design: Quantity: 2,200 Ton/day Site Acreage: 162.4 Acres  
 Deviations from Plans and Application Approved by DEP A 3-inch diameter flowmeter  
was installed in lieu of 6-inch diameter.

This certification covers completion of Activities 1-6 as outlined in the Leachate Management Plan, Section 3.2.2.

Address and Telephone No. of Site: County Road 672; Picnic, Florida  
813-671-7707

Name(s) of Site Supervisor: M. Matt Matthews  
Date Site inspection is requested: June 11, 1999

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. SO29-256427 Dated: 10-30-96

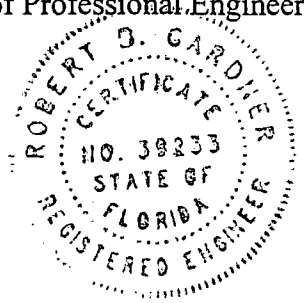
Date: June 2, 1999

  
Signature of Professional Engineer

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

JUN - 2 1999

SOUTHWEST DISTRICT TAMPA



**ATTACHMENT 2  
CONSTRUCTION PHOTOGRAPHS**

**Photograph Number 1**



**Date:** May 10, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** PPS-A completed piping system (looking northeast).

**Photograph Number 2**



**Date:** May 11, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Opening Valve Number 6 (looking west).



Photograph Number 3



**Date:** May 25, 1999    **Site:** Southeast County Landfill  
Hillsborough County, FL  
**Description:** Opening valve No. 1 (looking north).

Photograph Number 4



**Date:** May 25, 1999    **Site:** Southeast County Landfill  
Hillsborough County, FL  
**Description:** Opening valve No. 2 (looking north).



Photograph Number 5



**Date:** May 25, 1999     **Site:** Southeast County Landfill  
Hillsborough County, FL

**Description:** Opening valve No. 3 (looking north).

Photograph Number 6



**Date:** May 15, 1999     **Site:** Southeast County Landfill  
Hillsborough County, FL

**Description:** Completed internal berm chipped tire Trench  
No. 15 (looking south).



Photograph Number 7



**Date:** May 12, 1999      **Site:** Southeast County Landfill  
Hillsborough County, FL

**Description:** Beginning internal berm chipped tire Trench No. 16 (looking north).

Photograph Number 8



**Date:** May 14, 1999      **Site:** Southeast County Landfill  
Hillsborough County, FL

**Description:** Completed internal berm chipped tire Trench No. 16 (looking north).



**Photograph Number 9**



**Date:** May 13, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase IV internal berm chipped tire Trench No.14 (looking west).

**Photograph Number 10**



**Date:** May 14, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm chipped tire Trench No. 14 (looking northeast).



**Photograph Number 11**



**Date:** May 17, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase IV internal berm chipped tire Trench No. 13 (looking southwest).

**Photograph Number 12**



**Date:** May 17, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm chipped tire Trench No. 13 (looking west).



**Photograph Number 13**



**Date:** May 17, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase IV internal berm chipped tire Trench No. 12.

**Photograph Number 14**



**Date:** May 17, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm chipped tire Trench No. 12 (looking east).



**Photograph Number 15**



**Date:** May 18, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase IV internal berm chipped tire Trench No.11 (looking southwest).

**Photograph Number 16**



**Date:** May 18, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm chipped tire Trench No. 11 (looking northeast).



**Photograph Number 17**



**Date:** May 19, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase III internal berm chipped tire Trench No. 10 (looking west).

**Photograph Number 18**



**Date:** May 19, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm chipped tire Trench No. 10 (looking north).



**Photograph Number 19**



**Date:** May 20, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase III internal berm gravel Trench No. 2 (looking north).

**Photograph Number 20**



**Date:** May 20, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm gravel Trench No. 2 (looking northwest).



Photograph Number 21



Date: May 20, 1999

Site: Southeast County Landfill, Hillsborough County, FL

Description: Phase III internal berm gravel Trench No. 3 (looking south).

Photograph Number 22



**Date:** May 20, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Adjusting pipe length for tie in to Phase VI internal berm gravel Trench No. 3 (looking east).



Photograph Number 23



**Date:** May 21, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Phase VI internal berm gravel Trench No. 5 (looking northeast).

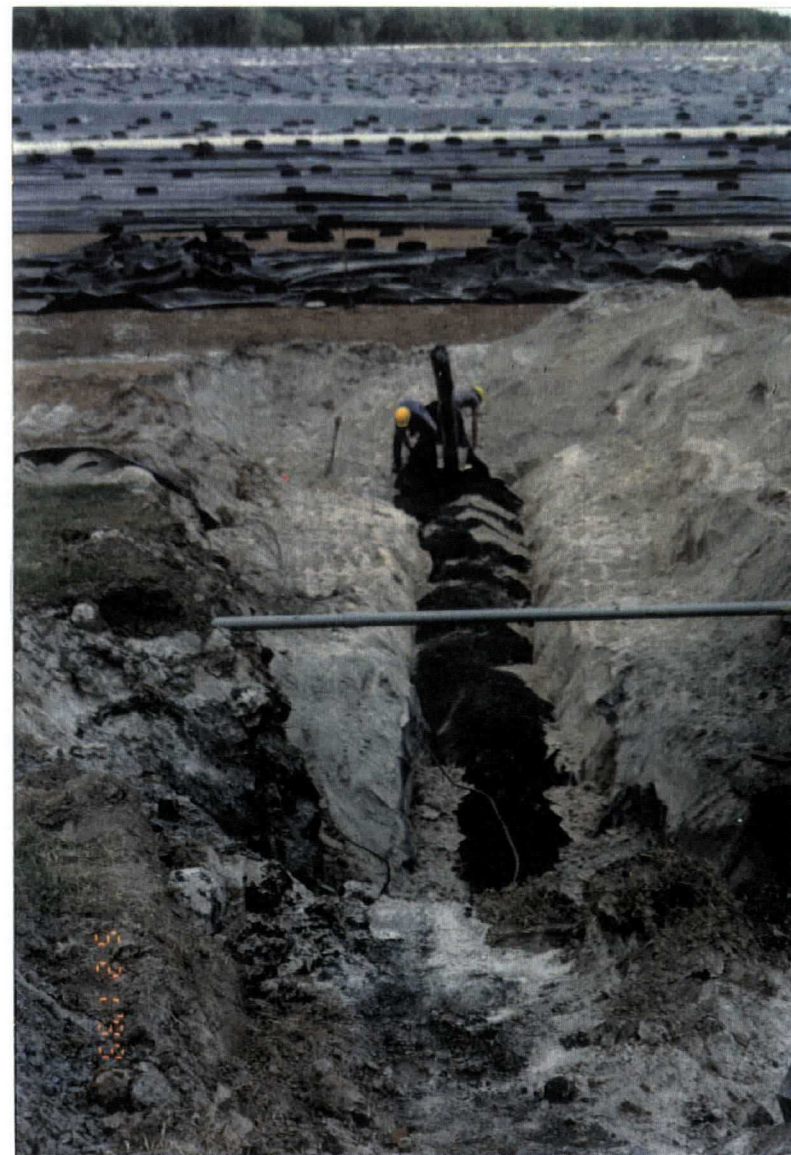


Photograph Number 24



**Date:** May 21, 1999    **Site:** Southeast County Landfill  
Hillsborough County, FL  
**Description:** Phase IV internal berm gravel Trench No. 6  
(looking north).

Photograph Number 25



**Date:** May 21, 1999    **Site:** Southeast County Landfill  
Hillsborough County, FL  
**Description:** Completed Phase VI internal berm gravel  
Trench No. 6 (looking north).



Photograph Number 26



Date: May 22, 1999 Site: Southeast County Landfill, Hillsborough County, FL  
Description: Phase VI internal berm gravel Trench No. 4 (looking northwest).

Photograph Number 27



Date: May 25, 1999 Site: Southeast County Landfill, Hillsborough County, FL  
Description: Phase IV internal berm gravel Trench No. 4 (looking east).



Photograph Number 28



**Date:** May 25, 1999      **Site:** Southeast County Landfill, Hillsborough County, FL  
**Description:** Removal of TPS-5 suction line (looking northwest).

**ATTACHMENT 3  
DAILY FIELD REPORTS OF CONSTRUCTION**

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-5-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 72 (PM) 75 Rain: \_\_\_\_\_ Duration of rain: NONE

Description of weather: VERY WINDY

List of Equipment on site: (A) for active (I) for idle


Personnel on site:

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**Description of Construction Activity**

- US FILTER ON SITE WELDING HDPE PIPE AND FABRICATING PIPING SYSTEM FOR PIPE RUN FROM <sup>PPS-A</sup> ~~SUMP~~ TO EXISTING 6" Ø DBL WALL HDPE PIPE TO MAIN LEACHATE PUMP STATION
- 3" FLOWMETER WILL BE PUT IN INSTEAD OF 6" FLOW METER AS SHOWN ON PLANS. ASSOCIATED PIPE ADJUSTED TO ACCOMMODATE 3" FLOWMETER (SEE AS BUILT DRAWING WHEN PIPING IS COMPLETE)
- WMI WHEN DIGGING TRENCH FOR PIPE BROKE CONTROL LINES TO PPS-B AND DESTROYED CONDUIT CONTAINING 6 THE LINES.

**List of Subcontractors**

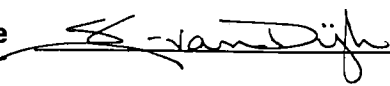
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**List of Materials Delivered**

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**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity

Field Representative  Date 5-5-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-7-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 72 (PM) — Rain: — Duration of rain: NONE

Description of weather: Clear, lt wind

List of Equipment on site: (A) for active (I) for idle


Personnel on site:

<b>No. of Superintendents</b>	<b>No. of Skilled</b>	<b>No. of Laborers</b>

**Description of Construction Activity**

0800-1030  
SCS on site at Wm request for trench  
construction. No construction  
performed. Wm requested SCS to be on site  
5-10-99 at 0830 for trench construction.  
Checked piping system installed at  
PPS-A. (SEE PHOTOS)

**List of Subcontractors**

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**List of Materials Delivered**

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**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity

Field Representative *S. van Dijk* Date 5-7-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-10-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 70 (PM) 88 Rain:  Duration of rain: 30 min

Description of weather: Clear AM; 1630 Thunder storm

List of Equipment on site: <sup>ALL ACTIVE</sup> (A) for active (#) for idle

CASE 9050 EXCAVATOR		

Personnel on site:

1
1
2

No. of Superintendents                      No. of Skilled                      No. of Laborers

Description of Construction Activity COMANCO ENVIRONMENTAL CORP

- SCS on site 0815 as requested by WM
- COMANCO ENV begins prep to dig trench 16 0930.
- Comanco begins trench 16 construction @ 1200.
- Remove sand above trench 16 in ph IV, break through berm, remove SW in phase IV.
- contractor separated conduit (PVC) of line electrical wiring along Ph IV just south of the berm.
- WORK STOPPED 1630 DUE TO T. STORM.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative *E. van Dijk* Date 5-10-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-11-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

**Weather**

Temperature: (AM) 70 (PM) 88 Rain: \_\_\_\_\_ Duration of rain: 30 min

Description of weather: Clear AM; LIGHT SHOWER 1630-1700

**List of Equipment on site: (A) for active (I) for idle**

CASE 9050EXC		
JOEERE ComBO		

**Personnel on site:**

<u>1</u>	<u>2</u>	<u>11</u>
No. of Superintendents	No. of Skilled	No. of Laborers

**Description of Construction Activity** COMANCO ENV. CORP.

- EXCAVATE AT TRENCH 16 (CONTRACTOR STOPPED TO GET A TRENCHBOX DUE TO CAVE INS OF SAND BELOW SOLID WASTE). CONTRACTOR LOCATED PH VI ~~GRAVEL~~ TRENCH TO BEGIN EXCAVATION.
- EXCAVATE AT TRENCH 15 AFTER LOCATING PH VI ~~GRAVEL~~ TRENCH. EXCAVATE INTO PH IV AND LOCATE EXISTING GRAVEL TRENCH AND LEACHATE COLLECTION PIPE.
- RETURN TO TRENCH 16; EXCAVATE AND LOCATE GRAVEL TRENCH IN PH IV (LEACHATE HEADER)
- EXCAVATE AT TRENCH 14, PLACE MIRAFI 401 AND INSTALL TIRECHIPS NEAR LEACHATE HEADER IN Ph IV. OVERLAP ON GEOTEXTILE = 2 FT.

**List of Subcontractors**

\_\_\_\_\_  
 \_\_\_\_\_

**List of Materials Delivered**

\_\_\_\_\_  
 \_\_\_\_\_

**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity

Field Representative *S. van Dijk* Date 5-11-99



# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-12-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

**Weather**

Temperature: (AM) 67 (PM) 82 Rain:  Duration of rain: \_\_\_\_\_

Description of weather: OVERCAST; RAIN 1430-1500 & 1600-1630  
T. STORM

**List of Equipment on site: (A) for active (I) for idle**

<u>CASE 900EXC</u>		
<u>JOHN DEERE COMBO</u>		
<u>TEREX OFF ROAD TRUCK</u>		

**Personnel on site:**

1
2
32

**No. of Superintendents**
**No. of Skilled**
**No. of Laborers**

**Description of Construction Activity** COMANCO ENV. CORP.

- PLACE MIRAFI 401 WOVEN GEOTEXTILE IN TRENCH 15; EXCAVATED TO TOP OF CLAY.
- INSTALL TIRE CHIPS. GEOTEXTILE OVERLAP = 2 FT
- TIE IN TO PH VI; BACKFILL FIRST WITH CLEAN SAND. COMPLETED TRENCH #15 = 119'
- EXCAVATE TO LEACHATE HEADER. TRENCH 16 EXCAVATE TO TOP OF CLAY; TIE IN TO HEADER PLACING GEOTEXTILE AND TIRE CHIPS. INSTALL TRENCH 16 TOWARDS TIE IN AT PHASE VI.
- TRENCH 16 INCOMPLETE
- WORK SLOWED BUT EXCAVATION CONTINUED UNTIL 16.30 DUE TO RAIN & STORM

**List of Subcontractors**

\_\_\_\_\_

**List of Materials Delivered**

\_\_\_\_\_

**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity
<u>TRENCH NO 15</u>	<u>119 LF</u>	<u>Complete</u>

Field Representative St. van Dijk Date 5-12-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-13-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 67 (PM) 86 Rain: \_\_\_\_\_ Duration of rain: None

Description of weather: P. CLOUDY

List of Equipment on site: (A) for active (I) for idle

<u>CASE 900EXC</u>		
<u>JOEERE COMBO</u>		
<u>TEREX OFFROADTRUCK</u>		

Personnel on site:

	<u>2</u>	<u>1</u>
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity COMANCO ENV. CORP.

- Dewater at Trench 16
- TIE IN TO HEADER IN Ph IV AFTER EXCAVATING FOR TRENCH 14 LOCATING TRENCH IN Ph VI
- EXCAVATE TO CLAY, PLACE GEOTEXTILE AND TIRE CHIPS IN TRENCH. INCOMPLETE
- MOVE TO TRENCH 13, LOCATE TIRE TRENCH IN Ph VI AND EXCAVATE TOWARDS HEADER IN Ph IV.

List of Subcontractors

\_\_\_\_\_  
 \_\_\_\_\_

List of Materials Delivered

\_\_\_\_\_  
 \_\_\_\_\_

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
_____	_____	_____
_____	_____	_____
_____	_____	_____

Field Representative S. van Dyk Date 5-13-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-14-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 73 (PM) 82 Rain:        Duration of rain: NONE

Description of weather: P. CLOUDY, BREEZY, WINDY

List of Equipment on site: (A) for active (I) for idle

<u>CASE 900EXC</u>		
<u>JOHN DEERE COMBO (1)</u>		
<u>TEREX OFF ROAD TRUCK</u>		

Personnel on site:

	<u>2</u>	<u>2</u>
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity COMANCO ENV. CORP.

- EXCAVATE TO CLAY, TRENCH 14; INSTALL GEOTEXTILE AND TIRE CHIPS
- TIE INTO TIRE TRENCH Ph VI
- LENGTH OF TRENCH 14 = 115 FT
- BACKFILL SW TRENCHES 14 & 15 AFTER PLACING 2 FT CLEAN SAND ON TOP OVER TIRE TRENCHES.
- EXCAVATE AND INSTALL CHIPPED TIRES AND GEOTEXTILE IN TRENCH 16. TIE INTO Ph VI
- LENGTH OF TRENCH 16 = 120 FT

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
<u>TRENCH NO 14</u>	<u>115 LF</u>	<u>Complete</u>
<u>TRENCH NO 16</u>	<u>120 LF</u>	<u>Complete</u>

Field Representative *S. van Dijk* Date 5-14-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-17-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 65 (PM) 84 Rain:        Duration of rain: NONE

Description of weather: AM, Clear; PM, P. Cloudy

List of Equipment on site: (A) for active (I) for idle

<u>CASE 9050 EXCAVATOR</u>		
<u>TEREX OFF ROAD TRUCK</u>		
<u>DOZER, DEERE 650</u>		

Personnel on site:

1
2
2

No. of Superintendents                  No. of Skilled                  No. of Laborers

Description of Construction Activity COMANCO ENV. CORP.

- EXCAVATE AT TIRE TRENCH 13: LOCATE TRENCH IN Ph VI
- EXCAVATE TOWARD Ph IV; BREAK THROUGH BERM,
- LOCATE AND TIE IN TO GRAVEL TRENCH IN Ph IV.
- INSTALL TIRE TRENCH AT TOP OF CLAY FROM
- Ph IV - Ph VI, TIE IN TO Ph VI
- COMPLETED TRENCH 13 = 105 LF
- SIMILAR CONSTRUCTION FOR TRENCH 12 AS
- FOR TRENCH 13.
- COMPLETED TRENCH 12 = 80 LF
- BACKFILL AND CLEANUP AT TRENCHES
- 14, 15, & 16

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
<u>TRENCH NO 13</u>	<u>105 LF</u>	<u>Complete</u>
<u>TRENCH NO 12</u>	<u>80 LF</u>	<u>Complete</u>

Field Representative S. van Dijk Date 5-17-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-18-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

**Weather**

Temperature: (AM) 67 (PM) 86 Rain:        Duration of rain: NONE

Description of weather: FOGGY, EARLY AM; CLEARING

**List of Equipment on site: (A) for active (I) for idle**

<u>CASE 9050 EXC</u>		
<u>TEREX TRUCK</u>		
<u>DEERE COMBO</u>		

**Personnel on site:**

1
2
2

No. of Superintendents                      No. of Skilled                      No. of Laborers

**Description of Construction Activity** COMANCO ENV. CORP.

- BACKFILL TRENCH NO. 12 W/ 2 FT OF SAND OVER GEOTEXTILE; REPLACE SW IN PH IV AND SAND IN PH VI
- EXCAVATE ATTIRE TRENCH NO. 11, LOCATE TIRE TRENCH IN PH VI AND GRAVEL TRENCH IN PH IV. EXCAVATE TO CLAY LAYER BETWEEN PH IV, PH V AND INSTALL CHIPPED TIRES WRAPPED IN GEOTEXTILE.
- COMPLETED TRENCH NO. 11 = 57 LF
- BACKFILL TRENCH W/ 2' CLEAN SAND
- EXCAVATE TRENCH NO 10; LOCATE TRENCH IN PH A, III

**List of Subcontractors**

\_\_\_\_\_

**List of Materials Delivered**

\_\_\_\_\_

**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity
<u>TRENCH NO 11</u>	<u>57 LF</u>	<u>Completed</u>

Field Representative *S. van Dijk* Date 5-18-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-19-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

**Weather**

Temperature: (AM) 70 (PM) 85 Rain:      Duration of rain: 10min

Description of weather: P. CLOUDY; SHOWER @ 4:15pm

**List of Equipment on site: (A) for active (I) for idle**

CASE 9050 EXC		
TEREX TRUCK		
JOEERE COMBO		

**Personnel on site:**

1
1
2

No. of Superintendents                  No. of Skilled                  No. of Laborers

**Description of Construction Activity** COMANCO ENV. CORP

- TIE IN TO GRAVEL TRENCH IN Ph III, TRENCH NO 10
- CONSTRUCT CHIPPED TIRE TRENCH TOWARDS TIE IN, Ph VI; TIE IN TO TIRE TRENCH, Ph VI
- COMPLETED TRENCH NO. 10 = 135
- LOCATE "Y" AT CLEANOUT, TRENCH NO. 2, Ph VI
- LOCATE STUBOUT FROM TRENCH IN Ph III
- EXCAVATE TO CLAY
- LOCATE "Y" AT CLEANOUT, TRENCH NO. 3

**List of Subcontractors**

**List of Materials Delivered**

**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity
<u>TRENCH NO 10</u>	<u>135 LF</u>	<u>Complete</u>

Field Representative S. van Dijk Date 5-19-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-20-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather NOON  
 Temperature: (AM) 70 (PM) 80 Rain:        Duration of rain: NONE

Description of weather: Clear

List of Equipment on site: (A) for active (I) for idle

CASE 9050 EXC		
TEREX TRUCK		
JOHN DEERE COMBO		

Personnel on site:

1
2
2

No. of Superintendents                  No. of Skilled                  No. of Laborers

Description of Construction Activity COMANCO ENV CORP  
CONSTRUCT GRAVEL TRENCH NO. 2  
MAKE CONNECTION TO PIPE STUB OUT  
FROM TRENCH IN PH III TO HDPE PIPE  
TO PH VI WITH A SLIP JOINT WRAPPED IN  
GEOTEXTILE

Note: SLCD ON SITE 0700-1200.  
STEVE ROGRACH ON SITE THE REMAINDER OF  
THE DAY, MAY 20 AND ALL DAY MAY 21, MAY 22

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
<u>Trench NO 2</u>	<u>45 LF</u>	<u>Complete</u>

Field Representative *[Signature]* Date 5-20-99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill Project Number: 0995029.14

Owner: Hillsborough County Contractor: Waste Management

Date: 5/20/99 Contract Day: \_\_\_\_\_ Contract Duration: \_\_\_\_\_  
Days Remaining: \_\_\_\_\_

Weather  
Temperature: (AM) 70° (PM) 87° Rain: No Duration of Rain: \_\_\_\_\_  
Description of weather: P. Cloudy and Warm

List of Equipment on site: (A) for active (I) for idle

CASE 9050 Exc.		
TEREX Truck		
John Deere Combo		

Personnel on site:  

<u>1</u>	<u>1</u>	<u>2</u>
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity

8:00 Arrived on-site met with Sheila Van Dijk of SCS, Ricky Smith of Comanco, and Matt Matthews of Waste Management. Hillsborough County SCD

9:30 Comanco installed 45' of 8" HDPE pipe in trench no. 2, placed on a 6" bed of gravel (with geotextile underneath it.) The pipe was then covered with gravel, with approximately one foot of gravel on all sides of the pipe, and then the pipe and gravel was wrapped ~~in~~ in the geotextile with the ends of the textile overlapping at least 2 feet.

10:30 Comanco excavated trench 3 to the clay, exposing Phase III pipe. They then installed 40' of 8" Perforated HDPE pipe in the trench, placed on a 4" bed of gravel over the geotextile wrap. Gravel was placed over and around the pipe and it was wrapped in the geotextile with at least 2' of overlap. Comanco then backfilled over the pipe with ~~about~~ 3' of sand and then replaced the excavated waste.

13:00 Comanco excavated trench 5.

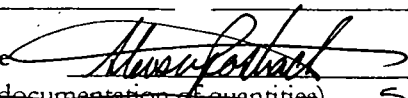
17:30 Departed site.

List of Subcontractors  
 \_\_\_\_\_  
 \_\_\_\_\_

List of Materials Delivered  
 \_\_\_\_\_  
 \_\_\_\_\_

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
<u>Trench No. 2</u>	<u>45 LF</u>	<u>Complete SCD</u>
<u>Trench No. 3</u>	<u>40 LF</u>	<u>Complete</u>

Field Representative  Date 5/20/99  
 (see reverse side for documentation of quantities) SEE ALSO DAILY REPORT OF S.C.-VAN DIJK, THIS DATE. SCD



# SCS ENGINEERS DAILY FIELD REPORT

Project: Southwest County Landfill Project Number: 0995029.14

Owner: Hillsborough County Contractor: Waste Management

Date: 5/21/99 (FRI) Contract Day: \_\_\_\_\_ Contract Duration: \_\_\_\_\_  
Days Remaining: \_\_\_\_\_

Weather  
Temperature: (AM) 70° (PM) 85° Rain: No Duration of Rain: \_\_\_\_\_

Description of weather: \_\_\_\_\_

List of Equipment on site: (A) for active (I) for idle

CASE 9050 Exc. (A)		
TEREX Truck (A)		
John Deere Combo (A)		

Personnel on site:

1	1	2
No. of Superintendents	No. of Skilled	No. of Laborers

**Description of Construction Activity**

7:45 Arrived on-site. Comanco excavated Trench No. 6, and pumped stormwater runoff from Phase VI out of Trench No. 5.

11:30 Comanco installed 70' of 8" HDPE perforated pipe in trench No. 6, over 4" of gravel, and over geotextile wrap. Gravel was then placed over and around the pipe, and it was wrapped in geotextile, with at least 2' of overlap.

13:30 Comanco uncovered the 8" PVC pipe from phase IV at the bottom of trench No. 5 and continued pumping and bailing out stormwater from Phase VI, using the bucket of the CASE excavator to bail out the trench.

15:30 Comanco installed 45' of 8" HDPE perforated pipe in trench No. 5, over 4" of gravel, gravel was placed over and around the pipe and it was wrapped in geotextile, with 2' of overlap.  
Comanco also backfilled trench No. 3 and No. 2.

17:15 Depart site.

**List of Subcontractors**

\_\_\_\_\_  
\_\_\_\_\_

**List of Materials Delivered**

\_\_\_\_\_  
\_\_\_\_\_

**List of Quantities installed this date:**

Item Description	Quantity	Accumulated Quantity
Trench 6	70 LF	Complete
Trench 5	45 LF	Complete

Field Representative: *Steven Postach* Date: 5/21/99  
(see reverse side for documentation of quantities)

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southwest County Landfill Project Number: 0995029.14

Owner: Hillsborough County Contractor: Waste Management

Date: 5/22/99, page 1 Contract Day: \_\_\_\_\_ Contract Duration: \_\_\_\_\_  
 (SAT) Days Remaining: \_\_\_\_\_

Weather  
 Temperature: (AM) 68° (PM) 88° Rain: Yes Duration of Rain: 15:30-  
 Description of weather: \_\_\_\_\_

List of Equipment on site: (A) for active (I) for idle

CASE 905D Exc.	(A)	
TEREX Truck	(A)	
John Deere Combo.	(A)	

Personnel on site:

1
1
2

No. of Superintendents                      No. of Skilled                      No. of Laborers

**Description of Construction Activity**

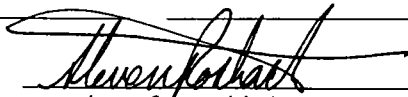
8:00 Arrived on-site. Comanco backfilled Trench No. 6 and Trench No. 5.  
 9:30 Comanco excavated Trench No. 4, exposing the flange connection to Phase VI at the north end and the header pipe at the south end. They cut off the 8" perforated PVC pipe extending north from the header at about 2' North of the pipe, leaving the 8" PVC T-joint intact.  
 15:00 Comanco placed the geotextile on the bottom of the trench and placed the 6" thick rock bedding (for the SD) over it. They then installed 105' of 8" HDPE perforated pipe in the trench and placed gravel over and around the pipe.  
 At the PVC T-joint to the header pipe, the operator broke off the pipe extending north from the header at about 1 foot from the header pipe, and twisted the T-joint so the opening was pointed up about 45°. Comanco placed a 90° PVC 8" angle piece into the broken end and slip jointed the other end to the 8" HDPE pipe, on top of a 1 foot bed of gravel, and wrapped the connection in geotextile.

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
Trench 4	105 LF	Complete

Field Representative:  Date: 5/22/99  
 (see reverse side for documentation of quantities)

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill Project Number: 0995029.14

Owner: Hillsborough County Contractor: Waste Management

Date: 5/22/99, page 2 Contract Day: \_\_\_\_\_ Contract Duration: \_\_\_\_\_  
Days Remaining: \_\_\_\_\_

## Description of Construction Activity

They then wrapped the underlying geotextile over the gravel, overlapping it at least 2 feet.  
16:30 Depart Site.

Hills SELF  
permit file

Field Representative

(see reverse side for documentation of quantities)

Date

5/22/99

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-26-99 <sup>25</sup>  
 TUES Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 75 (PM) 87 Rain:      Duration of rain:     

Description of weather: P. Cloudy

List of Equipment on site: (A) for active (I) for idle

CASE 9050 EXC		

Personnel on site:

<u>1</u>	<u>2</u>	<u>2</u>
No. of Superintendents	No. of Skilled	No. of Laborers

Description of Construction Activity COMANCO ENV.

- REMOVE BROKEN "T" IN LCRS HEADER, PH IV, TRENCH NO. 4
- REPLACE WITH "WYE" TIED IN TO PH IV PIPE WITH RUBBER BOOTS AND CLAMPS.
- CONNECT "WYE" TO PH VI LCRS WITH A 4 FT SLIPJOINT. WRAP NONWOVEN GEOTEXTILE AROUND THE JOINT TIGHTLY OVERLAPPING THE "WYE" AND PH VI LCRS PIPE BY 2 FT. GEOTEXTILE AROUND THE SLIPJOINT OVERLAPPED > 2 FT
- BACKFILL WITH GRAVEL AND COVER WITH NONWOVEN GEOTEXTILE, AND CLEAN SAND.

NOTE: WORK PERFORMED TO REPLACE BROKEN TEE ON 5-22-99

List of Subcontractors

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List of Materials Delivered

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List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity

Field Representative S. van Dijk Date 5-26-99 <sup>25</sup>

# SCS ENGINEERS DAILY FIELD REPORT

Project: Southeast County Landfill  
 Owner: Hillsborough County

Project number: 0995029.14  
 Contractor: Waste Management

Date: 5-25-99 Contract Day: N/A Contract Duration: N/A  
 Days Remaining: N/A

Weather  
 Temperature: (AM) 75 (PM) 87 Rain:      Duration of rain:     

Description of weather: P. Cloudy

List of Equipment on site: (A) for active (I) for idle


Personnel on site:

\_\_\_\_\_ No. of Superintendents

\_\_\_\_\_ No. of Skilled

\_\_\_\_\_ No. of Laborers

Description of Construction Activity

SCS VERIFYING:

· VALVES 1, 2, 3 ARE OPEN

· VALVES NEAR PS 4 (NOW REMOVED)  
ARE CLOSED

HILLSBOROUGH COUNTY REMOVING PS-5

List of Subcontractors

List of Materials Delivered

List of Quantities installed this date:

Item Description	Quantity	Accumulated Quantity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Field Representative S. van Dijk

Date 5-25-99