

SCS ENGINEERS

**OPERATION PERMIT RENEWAL APPLICATION
SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA**

**VOLUME 2 OF 3
APPENDICES**

D.E.P.

AUG 22 1994

**SOUTHWEST DISTRICT
TAMPA**

Submitted to:

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

For:

Hillsborough County
Department of Solid Waste
601 East Kennedy Boulevard
P. O. Box 1110
Tampa, Florida 33601

Submitted by:

SCS ENGINEERS
3012 U. S. Highway 301 North
Suite 700
Tampa, Florida 33619
(813) 621-0080

August 22, 1994
File No. 0990018.34

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D.E.P.

AUG 22 1994

SOUTHWEST DISTRICT
TAMPA

APPENDIX A

LEGAL DESCRIPTION AND PLOT PLAN

LEGAL DESCRIPTION

Southeast Landfill Hillsborough County, Florida

PARCEL I

DESCRIPTION: Taken from O.R. Book 4209, Page 375

That certain tract or portion of the North 200 feet of the S 1/2 of Section 23, Township 31 South, Range 21 east, Hillsborough County, Florida, described as lying Easterly of the centerline of a 200 foot Tampa Electric Company easement dated November 13, 1962, and recorded in OR Book 1058, Page 441 of The Public Records of Hillsborough County, Florida, containing 17.91 acres more or less.

PARCEL II

DESCRIPTION: Taken from O.R. Book 4259, Page 1118

IN TOWNSHIP 31 SOUTH, RANGE 21 EAST, HILLSBOROUGH COUNTY, FLORIDA:

Section 13. The SW-1/4

Section 14.

(a) That part of the N-1/2 described as: begin at the southeast corner of said N-1/2 and run thence north 00°46'43" east a distance of 8.53 feet to a point that is 12 feet north of the centerline of a railroad (Agrico Boyette Washer Spur, now abandoned); thence north 89°49'03" west a distance of 1733.34 feet to the south boundary of said N-1/2; thence south 89°32'08" east along said south boundary a distance of 1733.23 feet to the point of beginning.

(b) The S-1/2 LESS that part described as: begin at the northwest corner of said S-1/2 and run thence south 01°11'54" west a distance of 17.45 feet to a point that is 12 feet north of the centerline of a railroad (Agrico Boyette Washer Spur, now abandoned); thence south 89°49'03" east a distance of 3544.53 feet to the north boundary of said S-1/2; thence north 89°32'09" west along said north boundary a distance of 3544.31 feet to the point of beginning.

Section 15. The east 1500.00 feet of the SE-1/4, LESS the north 17.46 feet of the E-1/2 of E-1/2 of SE-1/4.

Section 22.

(a) The east 1500.00 of the NE-1/4.

(b) That part of the N-1/2 described as: from the southeast corner of the SW-1/4 of said Section 22 and run thence north 00°06'37" west along the north-south centerline of

said Section 22 a distance of 30.0 feet to the north right-of-way line of State Road 672; thence north 89°50'17" west along said north right-of-way line a distance of 1207.42 feet; thence north 01°44'27" west a distance of 2135.01 feet to the beginning of a curve concave to the right, having a radius of 800.0 feet and a chord bearing north 18°39'45" east 557.80 feet; thence northeasterly along the of said curve 569.77 feet to the POINT OF BEGINNING on the east-west centerline of said Section 22 (and also on the South boundary of a 200.0 foot Tampa Electric Company easement as recorded in Official Records Book 994, page 358, Hillsborough County, Florida); from the POINT OF BEGINNING continue northeasterly along the arc of a curve concave to the right, having a radius of 800.0 feet and a chord bearing north 64°43'29" east 692.82 feet, a distance of 716.53 feet to a point of tangency; thence south 89°36'59" east a distance of 1640.62 feet along a line lying 100.0 feet north of and parallel with the north boundary of said Tampa Electric Company easement to the west boundary of the east 1500.0 feet of the N-1/2 of said Section 22; thence south 00°35'25" east along said west boundary a distance of 300.01 feet to the south boundary of said Tampa Electric Company easement; thence north 89°36'59" west along said south boundary (also being the east-west centerline of said Section 22) to the point of beginning.

Section 23. The N-1/2.

Section 24. The W-1/2 of NW-1/4.

PARCEL III

DESCRIPTION: Taken from O.R. Book 4551, Page 1236

IN TOWNSHIP 31 SOUTH, RANGE 21 EAST, HILLSBOROUGH COUNTY, FLORIDA:

Section 13. The E-1/2.

Section 24. The N-1/2 of NE-1/4; and the SW-1/4 of NE-1/4; and the E-1/2 of NW-1/4.

IN TOWNSHIP 31 SOUTH, RANGE 22 EAST, HILLSBOROUGH COUNTY, FLORIDA:

Section 18. The W-1/2 LESS the east 1200 feet of the South 30 feet thereof, and LESS right-of-way for State Road 39.

PARCEL IV

DESCRIPTION: Taken from O.R. Book 4209, Page 367

THAT PART OF:

The South 1/2 of Section 22, Township 31 South, Range 21 East, Hillsborough County, Florida, being described as follows:

Commence at the Southeast corner of the Southwest 1/4 of Section 22, Township 31 South, Range 21 East; run thence North 0°06'37" West, along the North-South centerline of said Section 22, a distance of 30.00 feet to the North right of way line of State Road 672; thence North 89°50'17" West, 807.37 feet along said North right of way line to the point of beginning of the herein described property; continue thence North 89°50'17" West, along said North right of way line, a distance of 750.05 feet; thence North 84°26'08" East, 350.59 feet; thence North 01°44'27" West, 2100.01 feet to the beginning of a curve concave to the right, having a radius of 800.0 feet and a chord bearing North 18°39'45" East. 557.80 feet; thence Northeasterly along the arc of said curve, a distance of 569.77 feet to a point on the East-West centerline of said Section 22 (also being the South boundary of a 200.0 foot Tampa Electric Company Easement as recorded in O.R. Book 994, page 358 of the Public Records of Hillsborough County, Florida); thence South 89°36'59" East, along said East-West centerline, a distance of 134.60 feet to a point on a curve concave to the right having a radius of 700.0 feet and a chord bearing South 22°06'49" West, 566.18 feet; thence Southwesterly along the arc of said curve, a distance of 582.88 feet to a point of tangency; thence South 01°44'27" East, 2108.33 feet; thence South 84°08'58" East, 302.48 feet to the point of beginning.

Containing 6.47 acre, more or less.

PARCEL V

DESCRIPTION: A tract of land lying in the South 1/2 of Section 23, Township 31 South, Range 21 East, Hillsborough County, Florida and being more particularly described as follows:

From the Northeast corner of the South 1/2 of Section 23, Township 31 South, Range 21 East, run thence S. 00°17'44" W., 200.00 feet along the East boundary of said Section 23 to the POINT OF BEGINNING; thence continue S. 00°17'14" W., 645.0 feet along said East boundary to a point which is 500.00 feet Northerly of the Southeast corner of the North 1/2 of the South 1/2 of said Section 23; thence S. 65°36'27" W., 726.40 feet to a point which is 200.00 feet Northerly of and 660.00 feet Westerly of the Southeast corner of the North 1/2 of the South 1/2 of said Section 23; thence N. 89°59'58" W., 1534.91 feet along a line which is 200 feet Northerly of and parallel with the South boundary of the North 1/2 of the South 1/2 of said Section 23 (also being the

North boundary of a Tampa Electric Company Easement as recorded in O.R. Book 1058, Page 441, Public Records of Hillsborough County, Florida); thence N. 55°58'33" W., 1683.29 feet along the Northeasterly boundary of said Tampa Electric Company Easement; thence N. 89°57'00" E., 3594.91 feet along a line 200 feet South of and parallel with the North boundary of the South 1/2 of said Section 23 to the POINT OF BEGINNING.

Containing 60.45 acres, more or less.

Subject to, and reserving in perpetuity, a 100.00 foot wide easement along the Southerly and Southwesterly boundary thereof for grove maintenance purposes. Said easement being more particularly described as follows:

From the Southeast corner of the North 1/2 of the South 1/2 of Section 23, Township 31 South, Range 21 East, run thence North 00°17'44" East, 500.00 feet along the East boundary of said Section 23 to the POINT OF BEGINNING; thence South 65°36'27" West, 726.40 feet to a point which is 200.00 feet Northerly of and 660.00 feet Westerly of the Southeast corner of the North 1/2 of the South 1/2 of said Section 23; thence North 89°59'58" West, 1534.91 feet along a line which is 200 feet Northerly of and parallel with the South boundary of the North 1/2 of the South 1/2 of said Section 23 (also being the North boundary of a Tampa Electric Company Easement as recorded in O.R. Book 1058, Page 441, Public Records of Hillsborough County, Florida); thence N. 55°58'33" W. 1683.29 feet along the Northeasterly boundary of said Tampa Electric Company Easement; thence N. 89°57'00" E., 178.49 feet along a line 200 feet South of and parallel with the North boundary of the South 1/2 of said Section 23; thence S. 55°58'33" E., 1504.85 feet; thence S. 89°59'58" E., 1482.70 feet; thence N. 65°36'27" E., 750.75 feet to a point on the East boundary of said Section 23; thence S. 00°17'44" W., 110.06 feet along said East boundary to the POINT OF BEGINNING.

PARCEL VI

DESCRIPTION: The South 85.0 feet of the West 200.0 feet of the Northwest 1/4 of Section 13, Township 31 South, Range 21 East, Hillsborough County, Florida.

NOTE: This parcel has been referred to in several of the preceding documents as a parcel to be obtained by Hillsborough County. We have not been furnished with a deed of conveyance to the County.

ALL THE ABOVE DESCRIBED CONTAINING 2032.89 ACRES, MORE OR LESS.

APPENDIX B

EXISTING FDEP PERMIT AND MODIFICATIONS



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

NOTICE OF PERMIT

DEC 1 2 1989

Mr. Daryl H. Smith
Hillsborough County
Department of Solid Waste
Post Office Box 1110
Tampa, Florida 33601

RE: Southeast Class I
Sanitary Landfill

Dear Mr. Smith:

Enclosed is Permit Number SO29-158504 to operate the solid waste Class I Sanitary Landfill, 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 permit 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, Florida 32399; 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 REGULATION

Received

DEC 13 1989

Victor San Agustin

Victor San Agustin, P.E.
Professional Engineer II
Division of Waste Management

KBF/ab

cc: John Reese, DER Tallahassee
Robert Gardner, P.E., SCS Engineers ✓
Paul Schipfer, HCEPC

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 12/12/89 to the listed persons.

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

Anna Blah
Clerk

12/12/89
Date



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

PERMITTEE

Mr. Daryl H. Smith
Hillsborough County
Department of Solid Waste
Post Office Box 1110
Tampa, Florida 33601

PERMIT/CERTIFICATION

GMS ID No: 4029C30075

Permit No: SO29-158504

Date of Issue: DEC 12 1989

Expiration Date: 12/1/94

County: Hillsborough

Lat/Long: 27°46'25"

82°11'15"

Sec/Town/Rge: 13, 14, 15, 18,
19, 22, 23, 24/
31 & 32S/21E

Project: Southeast Class I
Sanitary Landfill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-3, 17-25, 17-28, 17-550, 17-701, and 17-711. 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 department and made a part hereof and specifically described as follows:

To operate a sanitary landfill (approximately 200 acres), referred to as the Southeast Class I Sanitary Landfill, subject to the specific conditions attached, for management and disposal of solid wastes, near C.R. 39 and C.R. 672, near Picnic, Hillsborough County, Florida.

Replaces Permit No.: SC29-066321

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

SPECIFIC CONDITIONS:

1. This site shall be classified as a Class I landfill and shall be operated in accordance with all applicable requirements of Chapters 17-3, 17-25, 17-28, 17-550, 17-701, and 17-711, Florida Administrative Code.
2. All solid waste disposed of in the Class I area must be covered with at least 6 inches of compacted earth or other suitable material as approved by the Department, at the end of each working day. The working face may be left uncovered if solid waste will be placed on the working face within 18 hours, and as long as there are no adverse environmental or health effects from this practice. An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion at all landfills if final cover or an additional lift is not to be applied within 180 days of cell completion. Top gradients of intermediate cover shall be no less than 3 percent grade and be designed to prevent ponding or low spots and minimize erosion. Portions of the landfill which have been filled with waste to the extent of designed dimensions shall be closed in accordance with all applicable requirements of Department rules.
3. Odors and fugitive particulates arising from this operation shall be controlled. Such control shall prevent the creation of nuisance conditions on adjoining property.
4. The permittee shall maintain a program which prohibits the disposal of bulk industrial wastes which operating personnel reasonably believe to either be or contain hazardous waste, without first obtaining a chemical analysis of the material showing the waste to be non-hazardous. The chemical analysis of any such material so placed in the landfill, along with the customers name and date of disposal, shall be kept on file by the permittee on-site.
5. The design, operation, and monitoring of disposal or control of any "special wastes" shall be in accordance with F.A.C. Section 17-701.060, and any other applicable Department rules, to protect the public safety, health and welfare. "Special Wastes" means those wastes that require extraordinary management. They include but are not limited to abandoned automobiles, white goods, used tires, waste oil, sludges, dead animals, agricultural and industrial wastes, septic tank pumpings, and infectious and hazardous wastes. Hazardous sludges shall not be accepted at the facility. If hazardous sludges are delivered to the site, this shall be disposed of at an approved treatment or disposal facility in accordance with FAC Section 17-701.040(4). Disposal of Grade III Domestic Wastewater Treatment Sludge, disposal of domestic septage, and disposal of food service sludge, shall be in accordance with F.A.C. Section 17-7.540(6).

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

6. The permittee shall not allow the disposal of hazardous waste at this site. Hazardous waste is a solid waste identified by the Department as a hazardous waste in Chapter 17-30, Florida Administrative Code.
7. There shall be no open burning at this site unless by permitted air curtain incinerator. Any accidental fires which require longer than one (1) hour to extinguish must be promptly reported to the Department of Environmental Regulation and Hillsborough County Environmental Protection Commission.
8. This permit is valid for the operation of Phases 1, 2, 3, and 4 and all existing facilities on-site constructed prior to issuance of this permit. This permit allows the construction and operation of the waste tire collection and processing facility as described in the information submitted May 22, 1989 and construction of Phases 5 and 6 according to April 19, 1989 plans by CDM submitted on July 14, 1989 and additional information by SCS Engineers submitted on November 2, 1989. Any construction not previously approved as part of this permit, including the construction of the leachate collection well-point system, treatment facilities and closure, shall require a separate Department permit unless the Department determines a permit modification to be more appropriate.
9. After all substantial initial construction of the site or facility components have been completed, the engineer or the authorized public officer shall complete an Application to Operate Only Resource Recovery and Management Facility-Certification of Construction Completion, Department Form 17-7.130(2), and contact the Department to arrange for Department representatives to inspect the facility in the company of the permittee, the engineer, and the proposed on-site facility operator. The inspection is to ensure that the site or facility components have been developed in accordance with the approved permit.
10. Storage at the waste tire collection and processing facility is limited to 2,500 tons of waste tires based on the size of the storage site. At no time shall storage exceed 30 times the daily through-put of the processing equipment used. At least 75 percent of both the waste tires and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the facility during the year, or disposed of on the site in a permitted solid waste management facility.
11. The owner or operator shall control mosquitoes and rodents or request such control measures from the local mosquito control office, so as to protect the public health and welfare.
12. The landfill shall have a leachate collection and removal system immediately above the liner that is designed, constructed, maintained, and operated to collect and remove leachate from the landfill. The leachate depth on top of the liner shall not exceed one foot depth of leachate.

13. The landfill shall have a surface water management system designed, constructed, operated, and maintained to prevent surface water flow onto waste filled areas, and a stormwater runoff control system designed, constructed, operated, and maintained to collect and control stormwater to meet requirements of Florida Administrative Code Rule 17-25 and requirements of the respective water management district.

14. Stormwater or other surface water which comes into contact with the solid waste or mixed with leachate shall be considered leachate, and shall be treated to meet applicable standards of Florida Administrative Code Rules 17-3 and 17-6 at the point of discharge.

15. Evidence of methane gas buildup or migration may necessitate installation of measures to control such buildup and/or migration in addition to those proposed.

16. An adequate Quality Control Plan shall be submitted to the Department, C/O Solid Waste Section, Southwest District Office, 30 days prior to liner installation/construction. The Quality Control Plan shall include installation/construction personnel, all specifications and construction methods and liner testing procedures and sampling frequency. The liner material proposed for use shall be completely described. Laying of the liner shall comply with specific standards that are fully defined in the Quality Control Plan. An acceptable method of testing for pinholes and method for removing or patching pinholes and defective areas shall be completely described. Sampling and testing shall be conducted in the field during construction and after completion by qualified personnel under the direction of the professional engineer in charge to assure the liner will meet the performance standards. Synthetic liners shall be installed in accordance with a Department approved quality control plan which incorporates the manufacturer's specifications and recommendations and shall have factory and field seams that equal or exceed the strength requirements defined by National Sanitation Foundation Standard 54 for that lining material. All field seams must be visually inspected and pressure or vacuum tested for seam continuity using suitable non-destructive techniques.

17. At least 30 days prior to liner installation/construction, the permittee shall submit a construction schedule or chart to include the following activities.

- A. Beginning of liner installation/construction.
- B. Completion of liner installation/construction.
- C. Beginning of leachate collection/removal system construction.
- D. Completion of leachate collection/removal system construction.

18. In the event of damage to any portion of the landfill site facilities or failure of any portion of the landfill systems the permittee shall immediately notify the Hillsborough County Environmental Protection Commission and the Department of Environmental Regulation explaining such occurrence and remedial measures to be taken and time needed for repairs. Written detailed notification shall be made within one week following the occurrence.

19. The permittee shall comply with all recommendations included in the Aardaman Report entitled "Evaluation of filling schedules and stability Analyses for Southeast Sanitary Landfill" dated July 13, 1989. Sixty days prior to expiration of this permit, the permittee shall submit an evaluation of the performance of the clay bottom liner. The evaluation is to assure the Department that the clay bottom liner is consolidating as originally designed and to estimate the amount of consolidation and settlement of the clay bottom liner which has actually occurred. The evaluation shall include recommendations to improve the consolidation and decrease the permeability of the clay bottom liner if necessary.

20. Prior to 60 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.

21. At least 90 days prior to the date when wastes will no longer be accepted for active portions of the landfill, the landfill owner or operator shall submit a plan to the Department. A closure permit application shall be required 90 days prior to final acceptance of waste for the entire landfill portion of the site. The final cover shall be placed over the entire surface of each completed portion of the filled areas within 180 days after final waste deposit date for each area.

22. A specific Permit Quality Assurance Plan shall be submitted to and approved by the Quality Assurance Section of the Department for the performance of any sampling or analysis as required by this permit. The plan shall be required from all persons performing sampling or analysis, and shall be prepared in accordance with requirements described in "DER Guidelines for Preparing Quality Assurance Plans, DER-QA-001/85", and shall be followed by all persons collecting or analyzing samples related to this permit.

23. In accordance with Chapter 17-28.700, Florida Administrative Code (F.A.C.), the permittee has installed and placed into operation a Ground Water Monitoring System. The Ground Water Monitoring System is designed and constructed in accordance with the plans on file in the Southwest District office.

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

24. The active ground water monitoring wells are located as follows:

<u>Well Number</u>	<u>Aquifer</u>	<u>Location</u>
*TH-19	Floridan	Per Southeast County Landfill Boundary Survey, Heidt & Assoc., Inc. (revised 10/15/87)
TH-20B	Surficial	"
TH-22	Surficial	"
TH-24A	Surficial	"
TH-28	Surficial	"
TH-30	Surficial	"
*TH-36	Surficial	"
TH-38A	Surficial	"
TH-40	Floridan	"
TH-56A	Surficial	"
Supply Well	Floridan	"
*Background Well		

Additional wells located on site and reserved for possible future use include the following:

TH-20A	Surficial	Per Southeast County Landfill Boundary Survey, Heidt & Assoc., Inc. (revised 10/15/87)
TH-26	Surficial	"
TH-32	Surficial	"
TH-33	Surficial	"
TH-34A	Surficial	"
TH-35	Surficial	"
TH-38	Surficial	"
TH-41	Floridan	"
TH-42	Floridan	"
TH-19A	Floridan (production well)	"
TH-35A	Floridan (production well)	"

All wells are to be clearly labelled and easily visible at all times.

25. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department of Environmental Regulation and the Hillsborough County Environmental Protection Commission immediately and a detailed written report shall follow within seven (7) days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent the recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation.

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

26. Sixty (60) days prior to the renewal of this permit, the permittee shall sample all active ground water monitoring wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Public Drinking Water Systems.

27. All active ground water monitoring wells shall be sampled and analyzed quarterly for the following parameters. However, additional samples, wells, and parameters may be required based upon subsequent analyses.

PRIMARY STANDARDS

Nitrate (as Nitrogen)	mg/L
Sodium	mg/L
- Turbidity	NTU

SECONDARY STANDARDS

Chloride	mg/L
Total Dissolved Solids (TDS)	mg/L
- pH	std. units
Iron	mg/L
Sulfate	mg/L

OTHERS

- Temperature	°C
Total Organic Carbon (TOC)	mg/L
- Specific Conductance	umhos/cm
- Water Levels	N.G.V.D.
Bicarbonate	mg/L

28. Ground water monitoring wells TH-28, TH-30 and TH-36 shall be sampled annually for the Primary and Secondary Drinking Water Standards included in Chapter 17-550, F.A.C.

29. The surface water monitoring stations are located as follows:

<u>SURFACE WATER</u>	<u>SAMPLE TYPE</u>	<u>LOCATION</u>
1A-1E	Composite pond	Per Surface Water Sampling Station Location Map (7/7/89 aerial of Smith Lake)
2	Runoff	Drainage ditch to Lewis Branch
3A	Runoff	Drainage ditch to Long Flat Creek
3B2B	Runoff	Drainage ditch to Long Flat Creek
3C2	Runoff	Drainage ditch to Long Flat Creek

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

30. All surface water monitoring stations shall be sampled quarterly for the following parameters:

<u>PARAMETERS</u>	<u>UNITS</u>
Turbidity	NTU
Chloride	mg/L
Total Dissolved Solids	mg/L
pH	std. units
Iron	mg/L
Sulfate	mg/L
Temperature	oC
Total Organic Carbon	mg/L
Specific Conductance	umhos/cm
Total Kjeldahl Nitrogen	mg/L
Alkalinity	mg/L
Chemical Oxygen Demand	mg/L
Dissolved Oxygen	mg/L

Data from each of the above sampling efforts shall be submitted to the Southwest District office and EPC within 60 days after collection.

31. If at any time background groundwater standards are exceeded at the edge of the zone of discharge, the permittee has fifteen (15) days in which to resample the monitor well(s) to verify the original analysis. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current groundwater conditions at the facility.

32. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with methods approved by the Department in accordance with Chapters 17-4.246 and 17-3.401, F.A.C. Approved methods are published by the Department or as published in Standard Methods, A.S.T.M., or EPA methods shall be used. Approved methods for chemical analyses are summarized in the Federal Register, December 1, 1976 (41FR52780) except that turbidity shall be measured by the Nephelometric Method.

33. All groundwater monitoring analyses shall be reported on the Department Form 17-1.216(2), Quarterly Report on Groundwater monitoring. The permittee shall submit to the Department the results of the groundwater monitoring well water quality analysis no later than the fifteenth (15) day of the month immediately following the end of the sampling period. The results shall be sent to the Solid Waste Section, Department of Environmental Regulation, Southwest District Office, 4520 Oak Fair Boulevard, Tampa, Florida 33610-7347 and the Hillsborough County Environmental Protection Commission, 1900 - 9th Avenue, Tampa, Florida 33603. Upon receipt and review of the required data, quarterly sampling and any required modification(s) of the Groundwater Monitor System will be given.

PERMITTEE: Daryl H. Smith
Southeast Class I Sanitary Landfill

PERMIT NO: SO29-158504

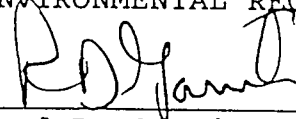
34. The permittee shall ensure that the water quality standards for Class G-II groundwaters will not be exceeded at the boundary of the zone of discharge according to Sections 17-3.402 and 17-3.404, F.A.C.

35. The permittee shall ensure that the minimum criteria for groundwater specified in Section 17-3.402, F.A.C. shall not be violated within the zone of discharge.

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

Issued this 12 day of Dec., 1989

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Richard D. Garrity, Ph.D.
Deputy Assistant Secretary
Southwest District

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate the enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
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), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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 does not constitute 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 the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by any order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as 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.
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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purposes of:
 - a. Having access to and copying any records that must be kept under the conditions of the permit:

GENERAL CONDITIONS (cont'd):

- () Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

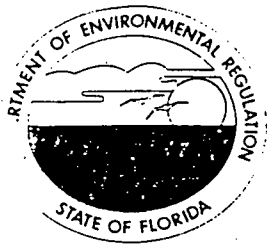
a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that 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 submitted or corrected promptly.



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary
Dr. Richard Garrity, Deputy Assistant Secretary

SEP 21 1990

Mr. Daryl Smith, Director
Hillsborough County Department of Solid Waste
410 Ware Blvd., Suite 800
Tampa, FL 33619

RE: Modification of Conditions
Southeast Landfill Phase V and VI Construction
Permit No.: SO29-158504, Hillsborough County


Dear Mr. Smith:

Due to your recent request, the Department is hereby modifying your permit. The conditions are changed as follows:

<u>CONDITION</u>	<u>FROM</u>	<u>TO</u>
Specific Condition #8	Existing	Revised, see attached

This letter must be attached to your permit and becomes a part of that permit.

Sincerely,


Richard D. Garrity, Ph.D.
Deputy Assistant Secretary
Southwest District

RDG/ewc

Enclosure

SEP 21 1990

Permitee: Daryl Smith
Southeast Class I Landfill

Permit No.: SO29-158504

SPECIFIC CONDITIONS:

8. This permit is valid for the operation of Phases 1, 2, 3, and 4 and all existing facilities on-site constructed prior to issuance of this permit. This permit allows the construction and operation of the waste tire collection and processing facility as described in the information submitted May 22, 1989, and construction of Phases 5 and 6 according to April 19, 1989 plans by CDM submitted on July 14, 1989 and additional information by SCS Engineers submitted on November 2, 1989, and with specifications submitted June 28, 1990 by Hillsborough County and additional information and revised plans by SCS Engineers submitted on July 14, and August 27, 1990, and in accordance with all applicable requirements of Department rules. Any construction not previously approved as part of this permit, including the construction of the leachate collection well-point system, treatment facilities and closure, shall require a separate Department permit unless the Department determines a permit modification to be more appropriate.

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 Initiation 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.

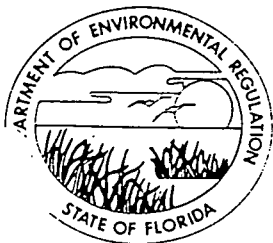
(3) Upon receipt of a petition for formal proceedings, the Agency shall either accept or deny the petition, and if accepted shall elect either to conduct the hearing itself through the Agency head, or member thereof, assign a person authorized by Subsection 120.57(1)(a) or other authority, or request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

(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



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

NOTICE OF PERMIT

JAN 14 1991

Mr. Daryl Smith, Director
Hillsborough County Department
of Solid Waste
410 Ware Blvd., Suite 800
Tampa, Florida 33619

Dear Mr. Smith:

Enclosed is modification of existing permit, Permit Number SO29-158504, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 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, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

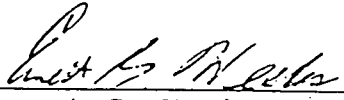
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399; 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.

JAN 15 1991

Mr. Daryl Smith, Director
Hillsborough County Southeast Landfill Page Two

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Ernest G. Weeks, Engineer I
Solid Waste Section
Division of Waste Management

EGW/ab

cc: John Reese, DER Tallahassee
Patricia Berry, Hillsborough County
Gayle Farrer, P.E., SCS Engineers
Paul Schipfer, EPCHC ✓

CERTIFICATE OF SERVICE

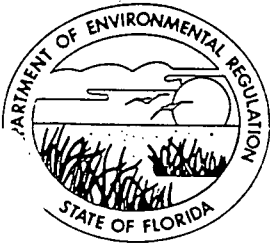
This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on JAN 14 1991 to the listed persons.

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


Clerk

JAN 14 1991

Date



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

JAN 14 1991

Mr. Daryl Smith, Director
Hillsborough County Department
of Solid Waste
410 Ware Blvd., Suite 800
Tampa, Florida 33619

Re: Modification of Conditions
Southeast Landfill Alternative Water Loading System
Permit No. S029-158504
Hillsborough County

Dear Mr. Smith:

Due to your recent request, the Department is hereby modifying your permit. The conditions are changed as follows:

CONDITION

FROM

TO

Specific Condition #37

New, see attached

This letter must be attached to your permit and becomes a part of that permit.

Sincerely,

Richard D. Garrity, Ph.D.
Deputy Assistant Secretary
Southwest District

RDG/egwb
Attachment

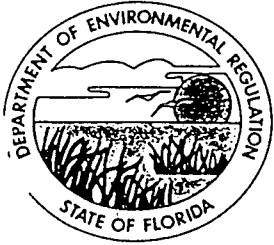
PERMITTEE: Daryl Smith

PERMIT NO.: SO29-158504

Southeast Landfill Alternative Water Loading System

SPECIFIC CONDITIONS:

37. This permit allows the construction and operation of an Alternative Water Loading System, in conjunction with the existing stormwater management system, as described in the information and plan sheet submitted December 17, 1990 by SCS Engineers and in accordance with all applicable requirements of Department rules.



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

NOTICE OF PERMIT

OCT - 9 1991

Mr. Daryl Smith, Director
Hillsborough County Department of
Solid Waste
410 Ware Blvd., Suite 800
Tampa, Florida 33619

OCT 15 1991

Dear Mr. Smith:

Enclosed is modification of existing permit, Permit Number SO29-158504, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 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 32301, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

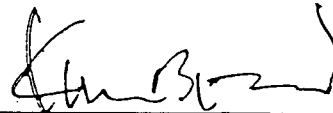
When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; 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.

Mr. Daryl Smith, Director
Hillsborough County
Solid Waste Department
SO29-158504

OCT - 9 1991
Page Two

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

KBF/ab

cc: John Reese, DER Tallahassee
Patricia Berry, Hillsborough County
Paul Schipfer, HCEPC
Steven Hamilton, SCS Engineers

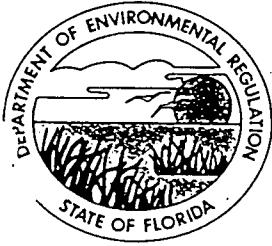
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on OCT 9 1991 to the listed persons.

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


Clerk

OCT - 9 1991
Date



Florida Department of Environmental Regulation

Southwest District

4520 Oak Fair Boulevard

Tampa, Florida 33610-7347

Lawton Chiles, Governor

813-623-5561

Carol M. Browner, Secretary

OCT - 9 1991

Mr. Daryl Smith, Director
Hillsborough County Department of
Solid Waste
410 Ware Blvd., Suite 800
Tampa, Florida 33619

Re: Modification of Conditions
Southeast Landfill Site Improvements
Permit No.: SO29-158504

Dear Mr. Smith:

Due to your recent request, the Department is hereby modifying your permit. The conditions are changed as follows:

<u>CONDITION</u>	<u>FROM</u>	<u>TO</u>
Specific Condition #8	Existing	Revised, as follows

This letter must be attached to your permit and becomes a part of that permit.

Sincerely,

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

RDG/kbfb

PERMITTEE: Daryl Smith
Southeast Class I Landfill

Permit No.: SO29-158504

SPECIFIC CONDITIONS:

8. This permit is valid for the operation of Phases 1, 2, 3, and 4 and all existing facilities on-site constructed prior to issuance of this permit. This permit allows the construction and operation of the waste tire collection and processing facility as described in the information submitted May 22, 1989, and construction of Phases 5 and 6 according to April 19, 1989 plans by CDM submitted on July 14, 1989 and additional information by SCS Engineers submitted on November 2, 1989, and with specifications submitted June 28, 1990 by Hillsborough County and additional information and revised plans by SCS Engineers submitted on July 14, and August 27, 1990, and in accordance with all applicable requirements of Department rules. Any construction not previously approved as part of this permit, including the construction of the leachate collection well-point system, treatment facilities and closure, shall require a separate Department permit unless the Department determines a permit modification to be more appropriate. This permit allows improvements in the vicinity of the administration building in accordance with the plans submitted on June 21, 1991 and the SWFWMD September 27, 1991 letter, and in accordance with all applicable requirements of Department rules.



Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

NOTICE OF PERMIT

SEP 21 1990

Mr. Daryl Smith, Director
Hillsborough County Department of
Solid Waste
410 Ware Blvd., Suite 800
Tampa, FL 33619

Dear Mr. Smith:

Enclosed is modification of existing permit, Permit Number S029-158504, issued pursuant to Section(s) 403.087(1), Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 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, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order 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, Florida 32399; 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.

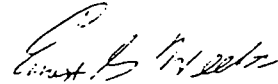
Received

SEP 24 1990

Mr. Daryl Smith
Hillsborough County Southeast Landfill Page Two

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Ernest G. Weeks
Engineer I
Solid Waste Section
Division of Waste Management

EGW/jc

cc: John Reese, DER Tallahassee
Patricia Berry, Hillsborough County
Gayle Farrer, P.E., SCS Engineers—
Paul Schipfer, EPCHC
Ernest Weeks, DER Tampa

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 7/21/90 to the listed persons.

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

Betty Rogers 7/21/90
Clerk Date

APPENDIX C

VICINITY AND LAND USE MAP

APPENDIX D

EXISTING TOPOGRAPHY

APPENDIX E

OPERATING SEQUENCE

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Phase IV - Lift 4 (Current Lift)	4
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Phases V and VI - Lifts 7A and 7B	6
Phases V and VI - Lifts 7C, 7D, and 7E	7
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Phases V and VI - Lift 12	9
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Semi-Annual Landfill Sections 2	16
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