

1247431

# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

December 27, 1994

## CERTIFIED - RETURN RECEIPT

Mr. Scott McCallister  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234

Dear Mr. McCallister:

Trail Ridge Landfill - Duval County  
Modification No. 258517 of Issued Permit No. SC16-184444

Your request to modify the ground and surface water monitoring plan in accordance with Chapter 62-701, Florida Administrative Code (FAC), consisting of documents received on September 29 and December 6, 1994, has been reviewed by Department staff.

This Notice of Modification does not alter the expiration date, the General Conditions, or any of the Specific Conditions with the exception of Specific Conditions 37, 38.b.(2), 38.h., 38.k., 38.l., and 39, as noted below, the deletion of Attachments 3 and 4, the replacement of Attachment 5, and the addition of Specific Condition 38.t., attached. **This letter must be attached to the original permit.**

### Specific Condition 37 shall now read as follows:

37. Quantitative records of leachate collected and sent off site for treatment shall be kept and made available to the Department upon request. This data shall be summarized monthly, and included in the report required in Specific Condition 38.t. Disposal of leachate shall be in accordance with all applicable regulations and shall include a characteristic hazardous waste determination, prior to disposal.
- a. Leachate samples shall be collected from the drain valve of each leachate tank. Each sample shall be identified in the laboratory data report with the tank designation, as well as the sump designations of the areas of the landfill that contributed leachate to the tank.

Mr. Scott McCallister  
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- b. Leachate shall be sampled and analyzed semiannually for the following parameters:

Field Parameters

Specific conductivity  
pH  
Dissolved Oxygen  
Colors, Sheen

Laboratory Parameters

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

Leachate samples will be collected prior to March 30 (spring samples) and September 30 (fall samples) of each year. A report of the laboratory data will be submitted to the Department for each period no later than April 15 and October 15, respectively.

- c. The fall leachate samples shall also be analyzed for those parameters listed in 40 CFR Part 258, Appendix II. These results shall be included in the October 15 report.
- d. Leachate sampling results shall be reported on the attached Parameter Monitoring Report Form [DEP Form 17-522.900(2)] (Attachment 5). The results shall be sent to the Department of Environmental Protection, Northeast District, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7590.

In addition to the information provided on the Parameter Monitoring Report Form and the requirements of FAC Rule 62-701.510(9)(a), the following shall be generated:

1. The laboratory report shall indicate the analytical method, the detection limit and the dilution factor used on each data sheet.
2. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Groundwater Standards and/or criteria.
3. All peaks greater than the EPA specified detection limit for the analytical method shall be identified.

Mr. Scott McCallister  
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The Permittee shall submit to the Department a minimum of two complete reports and, upon request by the Department, four additional reports.

- e. If the analyses of the fall leachate samples indicate that a contaminant listed in 40 CFR 261.24 exceeds the regulatory level listed therein, the Permittee shall initiate additional sampling and investigations in accordance with FAC Rule 62-701.510(6)(b)2.

Specific Condition 38.b.(2) shall now read as follows:

- b.(2) The Permittee shall construct and utilize the groundwater monitoring wells for each phase of the facility's operation in accordance with the schedule below. This phasing will be subject to modification by the Department based on the groundwater flow direction information collected and presented by the Permittee as required prior to the acceptance of waste and during the initial year of groundwater data collection. Installation and initial sampling of background groundwater monitoring wells and Phase 1 compliance wells shall be conducted within ninety (90) days of the issuance of this permit. Initial sampling and analysis of compliance wells for each additional phase shall be conducted and the analytical results submitted to Department sixty (60) days prior to acceptance of waste in that phase.

Class I Landfill

Background Well Clusters: B-2 S,I Locations as indicated on B-3, S,I Drawing No. 9, and B-31 D submittals.

Compliance Well Clusters:

Phase I B-7 S,I,D B-11 S,I B-12 S,I,D,  
B-14 S,I,D B-18 S B-19 S,I,D  
B-20 S B-21 S B-22 S

Phase II B-16 S B-17 S,I,D

Phase III B-13 S,I B-23 S

Phase IV as above

Phase V B-24 S B-25 S,I,D B-26 S B-27  
S,I,D B-28 S B-29 S,I,D B-30 S

Class III Landfill

Background Well Cluster: B-9 S,I

Compliance Well Clusters: B-8 S,I,D B-10 S,I B-15 S,I

Mr. Scott McCallister  
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Additional wells as required by the Department will be installed and/or sampled, based on sampling results and groundwater measurements.

Specific Condition 38.h. shall now read as follows:

- h. Groundwater levels shall be recorded no less than forty-eight (48) hours after well installation and prior to evacuating the well for sample collection. Measurements, referenced to N.G.V.D., shall include groundwater surface elevation, the top of well casing, and land surface at each site at a precision of plus or minus 0.01 feet. This information shall be submitted to the Department with the quarterly groundwater analytical results. A map must be constructed depicting locations of wells and piezometers and corresponding water level measurements.

Specific Condition 38.k. shall now read as follows:

- k. Groundwater sampling results shall be reported on the attached Parameter Monitoring Report Form [DEP Form 17-522.900(2)] (Attachment 5). In order to facilitate entry of this data into the state computer system, these forms or an exact replica must be used and must not be altered as to content. The original forms should be retained so that the necessary information is available to properly complete future reports. The report forms received from the laboratory must be submitted along with the DER Parameter Monitoring Report Forms described above. The Permittee shall submit to the Department the results of the ground water monitoring well water quality analysis no later than the fifteenth (15th) day of the month immediately following the end of the sampling period. Analytical results shall be accompanied by a brief narrative summary. The results shall be sent to the Department of Environmental Protection, Northeast District, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7590.

In addition to the information provided on the Parameter Monitoring Report Form and the requirements of FAC Rule 62-701.510(9)(a), the following shall be generated:

1. The laboratory report shall indicate the analytical method, the detection limit and the dilution factor used on each data sheet.
2. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Groundwater Standards and/or criteria.
3. All peaks greater than the EPA specified detection limit for the analytical method shall be identified.

Mr. Scott McCallister  
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The Permittee shall submit to the Department a minimum of two complete reports and, upon request by the Department, four additional reports.

The Permittee shall prepare and submit to the Department groundwater surface contour maps, prepared from data collected from all permitted wells on site, for the initial sampling event and each sampling event. A shallow surficial map, utilizing data from the shallow wells; an intermediate surficial map, utilizing the data from the intermediate wells; and a deep surficial map, utilizing data from the deep wells will be prepared and submitted to the Department, with the groundwater elevation data. This information shall be submitted in conjunction with the analytical data.

Specific Condition 38.1. shall now read as follows:

1. All groundwater monitoring wells shall be sampled and analyzed semiannually for the parameters specified in FAC Rule 62-701.510(8)(a). However, additional samples, wells, and parameters may be required based upon subsequent analyses.

Groundwater samples will be collected prior to March 30 and September 30 of each year. A report of the laboratory data will be submitted to the Department for each period no later than April 15 and October 15, respectively.

There is now a new Condition 38.t., which shall read as follows:

- t. The Permittee shall monitor the data obtained from the leachate, and ground and surface water monitoring system, and the site specific conditions. A report shall be submitted every two years to the Department by the Permittee in accordance with FAC Rule 62-701.510(9)(b). In addition, it shall include a graphic plot of analytical laboratory data over time for the leachate and surface water sampling parameters. Evaluation of the adequacy of the monitoring frequency and analyses shall include the surface water and leachate monitoring programs. The Permittee shall have this report prepared and sealed by a qualified groundwater professional and submit this information by November 15, 1996.

Specific Condition 39 shall now read as follows:

39. Surface water monitoring shall be conducted on a quarterly basis. Surface water samples will be collected prior to March 30, June 30, September 30, and December 30 of each year. A report of the laboratory data will be submitted to the Department for each period no later than April 15, July 15, October 15, and January 15, respectively.

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- a. The Surface Water Monitoring System shall be designed and operated in accordance with plans submitted to and approved by the Department, as modified by these specific conditions.
- b. The surface water monitoring sites shall be located as follows:

<u>Number</u>	<u>Location</u>
SW-1	
SW-2	As indicated on Drawing No. 9
SW-3	

- c. All surface water sampling sites shall be sampled and analyzed quarterly for the parameters specified in FAC Rule 62-701.510(8)(b). However, additional sampling sites and parameters may be required based upon subsequent analyses.

In addition to the information provided on the Parameter Monitoring Report Form, the following shall be generated:

1. The laboratory report shall indicate the analytical method, the detection limit and the dilution factor used on each data sheet.
2. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Groundwater Standards and/or criteria.
3. All peaks greater than the EPA specified detection limit for the analytical method shall be identified.

The Permittee shall submit to the Department a minimum of two complete reports and, upon request by the Department, four additional reports.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 62-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance

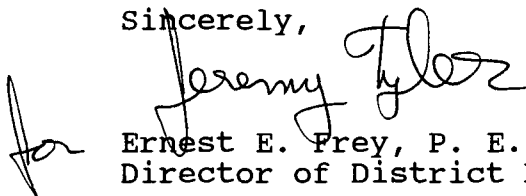
Mr. Scott McCallister  
December 27, 1994  
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with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,

  
Ernest E. Frey, P. E.  
Director of District Management

  
EEF:mc

cc: Scott Kelly, P. E., City of Jacksonville

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

Maryann Lockamy 12-27-94  
Clerk Date

DER Form # 17-522 000(2)
Form Title <b>GROUND WATER MONITORING REPORT</b>
Effective Date _____
DER Application No _____

# Florida Department of Environmental Regulation

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

## GROUND WATER MONITORING REPORT

Rule 17-522.600(11)

### PART I GENERAL INFORMATION

(1) Facility Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number ( \_\_\_\_\_ ) \_\_\_\_\_

(2) The GMS Identification Number \_\_\_\_\_

(3) DER Permit Number \_\_\_\_\_

(4) Authorized Representative Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number ( \_\_\_\_\_ ) \_\_\_\_\_

(5) Type of Discharge \_\_\_\_\_

(6) Method of Discharge \_\_\_\_\_

### Certification

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

Date: \_\_\_\_\_

Signature of Owner or Authorized Representative \_\_\_\_\_

### PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # \_\_\_\_\_

Analytical Lab Comp QAP #/HRS Certification # \_\_\_\_\_

\*Comp QAP #/HRS Certification # \_\_\_\_\_

Lab Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number ( \_\_\_\_\_ ) \_\_\_\_\_



**PART III ANALYTICAL RESULTS**

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: \_\_\_\_\_

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_

Well Name: \_\_\_\_\_ Well Purged (Y/N): \_\_\_\_\_

Classification of Ground Water: \_\_\_\_\_

- Well Type: (    ) Background  
 (    ) Intermediate  
 (    ) Compliance  
 (    ) Other  
 (    ) Detection

Ground Water Elevation (NGVD): \_\_\_\_\_

or (MSL): \_\_\_\_\_

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units

Attach Laboratory Reports

CERTIFICATION

PROJECT NAME: Trail Ridge Landfill  
GWMP Modification

COUNTY: Duval County

APPLICATION NO.: 258517

I HEREBY CERTIFY that the geologic and hydrogeologic portions described in Application No. 258517 and the permit modification issued pursuant to that application provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 62. 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 engineering, geotechnical, and surface hydrologic portions).



Richard S. Rachal, III,  
(Seal)

December 27  
(Date)






# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

TO: Jeremy Tyler  
FROM: Ernie Frey   
DATE: December 19, 1994  
SUBJECT: Delegation of Authority

During my absence on December 22 through December 30, 1994, you are authorized to sign all documents excluding NOV's, CO's and court stipulated settlements.

A copy of this memo will be filed with each document that you sign.

EEF:dr  
cc: Dan Thompson



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

December 19, 1996

## CERTIFIED - RETURN RECEIPT

Trail Ridge Landfill, Inc.  
Mr. Greg Mathes  
General Manager & Division President  
5110 U.S. Highway 301  
Baldwin, Florida 32234

Dear Mr. Mathes:

RE: Trail Ridge Landfill  
Duval County  
Modification No. MS16-296691 to Solid Waste Permit SC16-18444  
(MSSW Stormwater Section)

Your request to modify this permit has been received and reviewed by Department staff. The modification consists of reconfiguring the existing stormwater pond from an existing filtration treatment system to a wet detention system. The landfill's stormwater pond will no longer utilize the existing filter drain system used for achieving water quality treatment of stormwater. The pond will be converted over to a wet detention system. All water quality treatment for the contributing drainage areas will occur in the wet detention stormwater system (existing pond). Currently, two existing 12 inch PVC header pipes (part of the filter drain system located in the pond) convey water through the filter treatment system to stormwater pumps. These existing 12 inch PVC header pipes will be modified by having 12 inch PVC pipe extensions and 90" elbows added. The invert of the new pipes will then be set at elevation 95.0± feet NVGD. The existing 12 inch PVC header pipes will continue to be connected to existing stormwater pumps. The pumps will have their flow rates adjusted to between 2.50 cfs (1122.0 gpm) and 2.11 cfs (947.0 gpm) to meet the 48 to 60 hour draw down rate. The pumps will control the flow of stormwater out of the pond to facilitate the discharge of stormwater to meet water quality requirements.

See Staff Report Exhibit One

Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
December 19, 1996  
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Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This Notice of Modification does not alter the expiration date, the Specific Conditions or General Conditions, or monitoring requirements of the original permit unless so indicated specifically in this modification. ***This modification expiration date will be 2 years from the date of issue, December 19, 1998.*** The following Specific Conditions shall also apply:

2. All construction, operation, and maintenance of the stormwater system shall be as set forth in the plans, specifications, and performance criteria contained in the Department file and approved by this permit. Any deviation from the permitted plans are to be addressed by the department prior to their implementation to determine if a modification to the permit is required.
3. Turbidity barriers shall be installed at all locations where the possibility of transferring suspended solids into the receiving water body exists due to the proposed work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. The Permittee shall be responsible for the removal of the barriers.
6. All disturbed areas, swales, retention/detention basin side slopes, and roadside slopes must be sodded or seeded and mulched within 30 days following their completion and a substantial vegetation cover must be established within 60 days of seeding. Erosion preventive measures must be taken to ensure establishment of vegetative cover. All critical slopes immediately above the detention/retention basin must be seeded, mulched, or sodded as required for preventing sedimentation or clogging of the detention/retention basin.
7. The Permittee must obtain an individual permit pursuant to 40C-4 F.A.C. prior to beginning construction of any work not authorized by this permit.
8. The Permittee shall provide the Northeast District Office of DEP with prior written notice within 30 days of the date the work authorized by this permit is to commence.
9. Department of Environmental Protection staff, upon proper identification, shall have permission to enter, inspect, and observe the system to insure conformity with the plans and specifications approved by this permit.

Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
December 19, 1996  
Page Three

11. All wetland areas or water bodies which are outside of the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring, or excess turbidity and dewatering.
13. Each inspection shall be documented and kept on file at the facility office. Each inspection report shall contain, as a minimum; date, name of inspector, as found condition of major system features, and nature and extent of maintenance/repair performed.
15. The stormwater management system shall be inspected on a regular basis. Any breach of stormwater system integrity shall be immediately repaired. Inlets and outlets shall be inspected for signs of erosion. Whenever erosion is detected, measures shall be taken to stabilize and protect the affected area. Debris, trash, etc. shall be removed from basins and control structures. Sediment removal will be undertaken when storage volume or conveyance capacity falls below design capacity. The system shall be inspected at each mowing or grading or once per month minimum.
17. If any other regulatory agency should require revisions or modification to the permitted project, the Department is to be notified of the revisions prior to any implementation of such revisions so that a determination can be made whether a permit modification is required.
18. The Permittee is responsible for the selection, implementation, and operation of all erosion and sediment controls on-site and to prevent violations of water quality standards in Chapters 62-3 and 62-4, F.A.C. The Permittee is encouraged to use the appropriate Best Management Practices described in the Florida Land Development Manual: A guide to Sound Land and Water Management (DER, 1988).
22. The operation phase of the stormwater management system shall not become effective until the following criteria have been met:
  - (a) Within thirty (30) days after completion of construction, permittee shall submit a signed and sealed certification by an appropriate registered Florida professional engineer that the system has been constructed and is ready for inspection.

- (b) The registered professional engineer shall certify that the system has been constructed substantially in accordance with approved plans and specifications; or any deviations from the plans will not prevent system from functioning in compliance with appropriate regulation.
  - (c) As-built drawings will be furnished and revised to reflect any changes made during construction. The following information, at a minimum shall be verified on the as-built drawings:
    - 1. Dimensions and elevations of all discharge structures.
    - 2. Locations, dimensions, and elevation of all underdrain systems including cleanouts, connections to control structures, and points of discharge to receiving waters.
    - 3. Dimensions, elevations, contours or cross sections of all treatment storage areas.
    - 4. Dimensions, elevations, contours, final grades to determine flow direction and runoff.
    - 5. Establishment of erosion control vegetative cover in critical slopes above the detention/retention ponds.
  - (d) The permit will be converted from a construction permit to an operation permit once the project is determined to be in compliance with the permitted plans and appropriate entity has accepted responsibility for maintenance of the system.
23. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:
- (a) Removal of trash and debris.
  - (b) Inspection of inlets and outlets.
  - (c) Removal of sediments when the storage volume or conveyance capacity of the system is below design level or when the system is rendered ineffective on account of clogging/sedimentation of the pond bottoms.

Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
December 19, 1996  
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- (d) Stabilization and restoration of eroded areas.
- (e) Mowing and removal of grass clippings.
- (f) Aeration, tilling or replacement of topsoil as needed to restore percolation capability of the system.
- (g) Replanting if vegetative cover in littoral zones falls below 80% coverage.

The stormwater management system shall be inspected after each heavy rain, but at a minimum once per quarter.

24. The permittee is required to provide for periodic inspections of the stormwater management system. The permittee shall submit reports to the Department certifying that the stormwater management system is operating as designed. The reports shall be submitted to the Department as follows:
- (a) Inspection reports for retention, underdrain, wet detention (with/without littoral shelf), and swales shall be submitted one year after completion of construction and every year thereafter. A registered Florida Professional Engineer must sign and seal the report certifying the system is functioning as designed.
  - (b) Inspection reports for filtration treatment systems and pumped systems shall be submitted one year after completion of construction and every year thereafter. A registered Florida Professional Engineer must sign and seal the report certifying the filtration treatment system and/or pumped system is operating as designed.
  - (c) The Reports shall be submitted to the Department's Stormwater Engineer at 7825 Baymeadows Way, Suite B-200, Jacksonville, FL 32256-7590.

**This letter must be attached to the original permit.**

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the



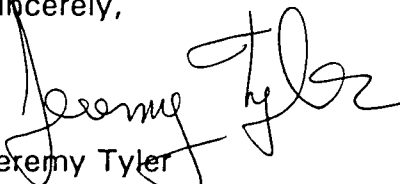
Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
December 19, 1996  
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Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact David P. Apple, P.E., Stormwater Permitting Manager, at the letterhead address or telephone (904) 448-4340, extension 377.

Sincerely,



Jeremy Tyler  
Environmental Administrator  
Environmental Resource

Permitting  
JT/da/lgb

cc: Mary Nogas, Solid Waste Section, DEP ✓  
Juanitta Clem, England, Thims & Miller, Inc.

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST DISTRICT OFFICE  
STORMWATER MANAGEMENT STAFF REVIEW SUMMARY**

**I. ADMINISTRATIVE**

**PROJECT NAME:** Trail Ridge Landfill - City of Jacksonville

**APPLICATION NUMBER:** 296691

**DATE RECEIVED:** October 28, 1996

**COMPLETENESS DATE:** October 28, 1996

**LAST DATE FOR ACTION:** January 25, 1997

**APPLICANT'S NAME:** Trail Ridge Landfill, Inc.  
Greg Mathes  
General Manager & Division President

**APPLICANT'S ADDRESS:** 5110 U.S. Highway 301  
Baldwin, Florida 32234

**APPLICANT'S TELEPHONE NO.:** (904) 298-9100

**OWNER'S NAME:** City of Jacksonville Department of Public Utilities

**OWNER'S ADDRESS:** 515 North Laura Street  
Jacksonville, Florida 32202

**OWNER'S TELEPHONE NO.:** (904) 632-8081

**ENGINEER'S NAME:** Juanitta Bader Clem, P.E.

**ENGINEERING FIRM'S NAME:** England, Thims & Miller, Inc.  
3131 St. Johns Bluff Road South  
Jacksonville, Florida 32246

**FIRM'S TELEPHONE NO.:** (904) 642-8990

### **III. DESCRIPTION OF PRE-DEVELOPMENT CONDITIONS**

**ACREAGE OWNED:** 978.00 Acres

**PROJECT AREA:** 184.40 Acres

**DRAINAGE AREA:** 184.60 Acres

**BACKGROUND INFORMATION (EXISTING CONDITIONS):** The facility is an existing landfill owned by the City of Jacksonville, Florida. Trail Ridge Landfill, Inc., operates the landfill for the City of Jacksonville, Florida. The landfill is active, currently accepting waste material. The landfill facility was permitted (Solid Waste permit no. SC16-184444) by the Department of Environmental Regulations on December 24, 1991. The existing permitted stormwater treatment system consisted of a stormwater pond with a filter drain system used in achieving water quality treatment of stormwater. The filter drain system provides for the treatment of the first flush of stormwater runoff from the landfill (requirement to meet water quality treatment standards). Stormwater is drawn through two filter beds of 12 inch perforated PVC pipes. The filter bed pipes are then connected to two existing 12 inch PVC header pipes. These two existing 12 inch PVC header pipes are part of a stormwater pump system that draws the water down through the filter bed system. Treated stormwater is then pumped to diffuser pipes where it is discharged to an existing wetland. Currently, on going construction is occurring at the landfill.

**RECEIVING BODY OF WATER:** Deep Creek (Headwaters)

CLASS I     CLASS II     CLASS III     OFW

**IV. DESCRIPTION OF POST-DEVELOPMENT CONDITIONS**

**PROJECT AREA:** 184.40 Acres

**PROPOSED STORMWATER TREATMENT SYSTEM**

- TYPE OF SYSTEM:**
- Retention System
  - Wet Detention System
  - Dry Detention System
  - Filter Drain System
  - Drainage Swale System

**WATER QUALITY TREATMENT OF STORMWATER:**

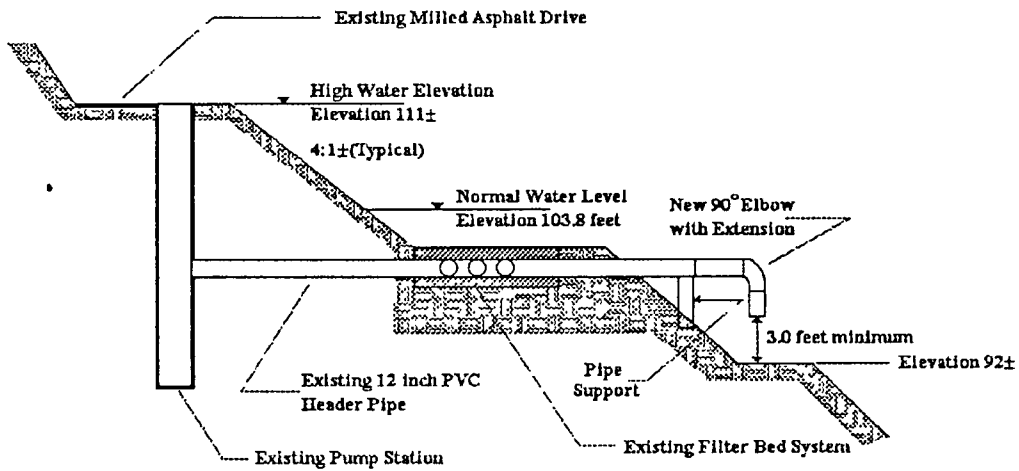
- Wet Detention:**  Recover 1/2 Treatment Volume in 48 to 60 hours  
**Retention:**  Recover entire Treatment Volume in 72 hours

<u>STORMWATER POND NUMBER</u>	<u>TOP OF BANK ELEVATION (ft)</u>	<u>BOTTOM OF POND ELEVATION (ft)</u>	<u>NORMAL WATER ELEVATION (ft)</u>
Main Pond	111.00 feet	80.00 feet	103.80 feet

<u>STORMWATER POND NUMBER</u>	<u>TREATMENT VOLUME REQUIRED (cu-ft)</u>	<u>TREATMENT VOLUME AVAILABLE (cu-ft)</u>
Main Pond	15.37 ac-ft	15.70 ac-ft

**Permanent Pool Volume Required:** 49.35 acre-feet  
**Permanent Pool Volume Provided:** 90.70 acre-feet

**PROPOSED DRAWDOWN ORIFICE**



Note: Pump On @ Elevation 103.8  
 Pump Off @ Elevation 103.3

N.T.S.

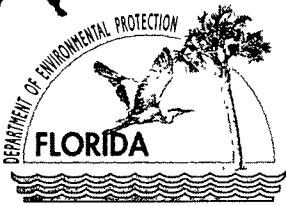
## V. Summary

**Summary of Review:** Trail Ridge Landfill, Inc., has requested a modification to the MSSW portion of the Solid Waste permit (Solid Waste permit no. SC16-184444) to change the stormwater system from an existing filtration treatment system to a wet detention system.

Water Quality for the project is designed so that the outfall structure shall bleed down one-half the volume of stormwater within 48 to 60 hours following a storm event. No more than one-half of this volume will be discharged within the first 48 hours (40C-42.026(4)).

<u>STORMWATER POND NUMBER</u>	<u>TREATMENT VOLUME REQUIRED (cu-ft)</u>	<u>TREATMENT VOLUME AVAILABLE (cu-ft)</u>
Main Pond	15.37 ac-ft	15.70 ac-ft

Two existing 12 inch PVC header pipes(part of the filter drain system) will be refitted with new 12 inch PVC pipe extensions and two 90° elbows each. The invert of the new pipes will then be set at elevation 95.0± feet NVGD. The existing 12 inch PVC header pipes are connected to existing stormwater pumps which control the flow of stormwater out of the pond. The pumps will have their flow rates adjusted to between 2.50 cfs (1122.0 gpm) and 2.11 cfs (947.0 gpm) to meet the 48 to 60 hour draw down rate requirement (discharge of half the treatment volume (7.69 ac-ft)). Since the design calculations demonstrate that the pond can meet the above policy criteria, the system is determined to meet water quality requirements of 40C-42 FAC.



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

August 13, 1996

## CERTIFIED - RETURN RECEIPT

Mr. Scott McCallister, P.G.  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234

Dear Mr. McCallister:

Trail Ridge Landfill - Duval County  
Modification No. 293132 of Issued Permit No. SC16-184444

Your request to modify this permit was received on August 5, 1996 and reviewed by Department staff. The modification is to eliminate the requirement to process all of the waste tires on site every 90 days; therefore, requiring that at least 75 percent of the waste tires contained on site at the beginning of each calendar year be processed and disposed of. This modification authorizes storage of no more than 3900 tons of waste tires on any day at the referenced facility.

This Notice of Modification does not alter the expiration date, the General Conditions, or the Specific Conditions of the subject permit. **This letter must be attached to the original permit.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as noted. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 62-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, MS #35. Petitions that are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1) is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on

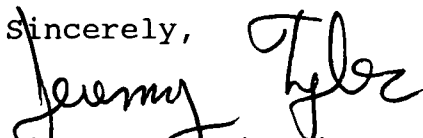
Mr. Scott McCallister  
August 13, 1996  
Page two

all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Sally Heuer at the letterhead address or telephone (904) 448-4320.

Sincerely,

*for*   
Michael J. Fitzsimmons  
Environmental Administrator-DEP

*MJF*  
MJF:sh

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification was mailed before the close of business on August 13, 1996.

cc: L. Chris Pearson

FILING AND ACKNOWLEDGEMENT

FILED. on this date, pursuant to S120 52 . Florida Statutes, with the designated Department Clerk. receipt of which is hereby acknowledged.

*Margaret Lockamy* 8-13-96  
Clerk Date



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

May 6, 1996

## CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill - Duval County  
Modification No. 288638 of Issued Permit No. SC16-184444

The Department has elected to issue the following modification to allow the use of equivalent geotextile fabrics as alternate initial cover materials.

This Notice of Modification does not alter the expiration date, the General Conditions or any of the Specific Conditions with the exception of Specific Condition 59, as noted below. **This letter must be attached to the original permit.**

### Specific Condition 59 shall now read as follows:

59. Waste tires, cut into sufficiently small parts, may be utilized as initial cover at the facility. A sufficiently small part means that 70 percent of the waste tire is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less. Additionally, the following geotextile materials may be utilized for initial cover: Fabric 52048000 (white), Fabric 52049000 (tan), and Fabric 52051375 (green), all manufactured by Lumite, a Division of Synthetic Industries, Inc. Other equivalent geotextile materials may be utilized upon written approval of the Department. The maximum time any area may be covered with geotextile materials is 30 days. In areas where an additional lift or final cover will not be applied within 180 days, the geotextile materials shall be in place for a maximum of 7 days, at which time they shall be removed and intermediate cover applied.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter we are notifying all necessary parties of the modification.




Mr. Greg Mathes  
May 6, 1996  
Page two

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 62-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 3900 Commonwealth Boulevard, MS #35, Tallahassee, Florida 32399-3000. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Michael J. Fitzsimmons  
Waste Program Administrator

  
MJF:mn

cc: L. Chris Pearson, City of Jacksonville, Solid Waste Division

**FILING AND ACKNOWLEDGEMENT**

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

  
Clerk

5-6-96  
Date



*Nogus*

# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

February 1, 1996

CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President & General Manager  
Trail Ridge Landfill, Inc.  
5110 U. S. Highway 301  
Baldwin, FL 32234

Dear Mr. Mathes:

RE: Trail Ridge Landfill  
5110 U. S. Highway 301 - Baldwin, Florida  
Duval County  
Modification No. 280638 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification consists of changes to the Trail Ridge Landfill Class I Pond by installing an emergency spillway for the discharge of storm events in excess of a 25 year, 24 hour storm event. The spillway invert will be set at an elevation of 110.20 feet NGVD as shown in permit plans. There will also be a revision of a box culvert at the southwest corner of the perimeter ditch. The structure is identified as structure S116(upstream endwall of the box culvert)/S117(downstream endwall of the box culvert). The culvert information is as follows:

<u>Box Culvert Size</u>	<u>Length(ft)</u>	<u>Upstream Invert S116(ft)</u>	<u>Downstream Invert S117(ft)</u>
10ft X 4ft FDOT Box Culvert	88 ft.	136.71 ft.	136.42 ft.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This Notice of Modification does not alter the expiration date, the Specific Conditions or General Conditions, or monitoring requirements of the original permit unless so indicated specifically in modification.

This letter must be attached to the original permit.

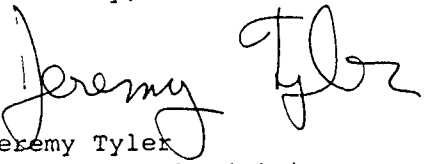
Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
Modification No. 280638 of Issued Permit No. SC16-184444  
Page Two  
February 1, 1996

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Jeremy Tyler, Environmental Administrator, at the letterhead address or telephone (904) 448-4340.

Sincerely,

  
Jeremy Tyler  
Environmental Administrator  
Environmental Resource Permitting

JT/da/eml

cc: Mary Nogas  
Juanitta Clem, P.E. - England, Thims, & Miller



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wettersell  
Secretary

February 14, 1995

## CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill Phase IIIA  
Modification No. 263509 of Issued Permit No. SC16-184444

Your request to modify this permit, received January 10, 1995, has been reviewed by Department staff. The modification requests included in this referenced modification are to:

1. Change the position of the bentonite mat in the liner system from immediately below the secondary liner to immediately below the primary liner and to be underlain by a geotextile;
2. Install on the bottom, rather than on the sides of the leachate collection/detection trench of the secondary collection system, multiple layers of geonet; and
3. Add an overflow prevention system to the leachate containment tanks including level sensors, high level alarms, and automatic shut-off controls.

This Notice of Modification does not alter the expiration date, the General Conditions, or any of the Specific Conditions with the exception of the alteration of Specific Condition Numbers 2.d and 2.e, as specified below:

Specific Condition Number 2.d. shall now read as follows:

"2.d. Procedures for testing the thickness and hydraulic conductivity of the compacted clay sub-base at least once per acre to ensure that it is a minimum of 6 inches in thickness and has a saturated hydraulic conductivity of less than or equal to  $1 \times 10^{-5}$  cm/sec."

Specific Condition Number 2.e. shall now read as follows:

"2.e. Procedures for testing the permeability of the bentonite mat at least once per 40,000 square feet."

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

Mr. Greg Mathes  
February 14, 1995  
Page two


Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 62-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions that are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1) is requested at such formal hearing, all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions concerning this matter, please contact Julia Boesch at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

FILING AND ACKNOWLEDGEMENT

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

Margaret Lockamy 2-14-95  
Clerk Date

MN  
MF  
EEF:jb

cc: Scott Kelly, City of Jacksonville  
Doug Miller, England, Thims & Miller, Inc.



Lawton Chiles  
Governor

# Florida Department of Environmental Protection

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

June 2, 1994

## CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill - Duval County  
Modification No. 236034 of Issued Permit No. SC16-184444

Your request to modify this permit, received on August 12, 1993, and supplemented on October 11, 1993 and May 5, 1994, has been reviewed by Department staff. The modification is to allow the use of shredded tires and geotextile fabric as alternate initial cover materials.

This Notice of Modification does not alter the expiration date, the General Conditions or any of the Specific Conditions with the exception of the addition of a new Specific Condition 59, as noted below. **This letter must be attached to the original permit.**

There is added to the Permit a new Specific Condition 59, that shall read as follows:

59. Waste tires, cut into sufficiently small parts, may be utilized as initial cover at the facility. A sufficiently small part means that 70 percent of the waste tire is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less. Additionally, the following geotextile materials may be utilized for initial cover: Fabric 52048000 (white), Fabric 52049000 (tan), and Fabric 52051375 (green), all manufactured by Lumite, a Division of Synthetic Industries, Inc. The maximum time any area may be covered with geotextile materials is 30 days. In areas where an additional lift or final cover will not be applied within 180 days, the geotextile materials shall be in place for a maximum of 7 days, at which time they shall be removed and intermediate cover applied.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter we are notifying all necessary parties of the modification.

Mr. Greg Mathes  
June 2, 1994  
Page two

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,

*Ernest E. Frey*  
Ernest E. Frey, P. E.  
Director of District Management

EEF:shl

cc: Scott Kelly, P.E.

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

*Margaret S. Lordeaux* 6-2-94  
Clerk Date



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

November 18, 1993

## CERTIFIED - RETURN RECEIPT

Trail Ridge Landfill  
c/o Douglas C. Miller, P.E.  
3131 St. Johns Bluff Road South  
Jacksonville, FL 32216

Dear Mr. Miller:

RE: Trail Ridge Landfill - Duval County  
Modification No. 236940 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification is to revise the westerly diversion berm for diverting the off-site stormwater around the site.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This Notice of Modification does not alter the expiration date, the Specific Conditions of General Conditions, or monitoring requirements of the original permit unless so indicated specifically in modification.

**This letter must be attached to the original permit.**

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or



Trail Ridge Landfill

Modification No. 236940 of Issued Permit No. SC16-184444

Page Two

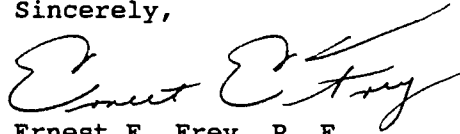
November 18, 1993

inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Jai P. Prasad, Stormwater Engineer, at the letterhead address or telephone (904) 448-4340, extension 345.

Sincerely,



Ernest E. Frey, P. E.

Director of District Management

*J*  
EEF:jt/eml



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B Wetherell  
Secretary

November 4, 1993

## CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill - Duval County  
Modification No. 237826 of Issued Permit No. SC16-184444

Your request to modify this permit, received September 15, 1993, has been reviewed by Department staff. The modification is to allow either EPA Method 601/602 or EPA Method 624 to be utilized to analyze the ground and surface water samples.

This Notice of Modification does not alter the expiration date, the General Conditions or any of the Specific Conditions. **This letter must be attached to the original permit.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence,

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320

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Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

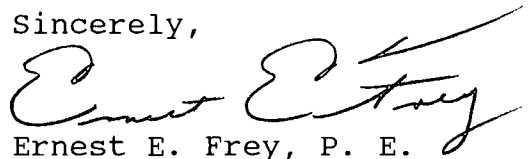
Mr. Greg Mathes  
November 4, 1993  
Page two

to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

MN  
EEF:mn1

cc: Scott Kelly, P. E.

**FILING AND ACKNOWLEDGEMENT**  
FILE on this date, pursuant to §120.52 Florida  
Statutes with the designated Department Clerk,  
receipt of which is hereby acknowledged.  
Margaret Bohannon 11-4-93  
Clerk Date



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

September 22, 1993

## CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill - Duval County  
Modification No. 235083 of Issued  
Permit No. SC16-184444

Your request to modify this permit was received on July 28, 1993 and reviewed by Department staff. The modification is to Page 9-1, A. of the Operations Plan, Designation of Responsible Person(s), to allow that at least one trained operator, as defined in Chapter 17-703, Florida Administrative Code, will be present at all times during operating hours when the site is accepting waste.

This Notice of Modification does not alter the expiration date, the General Conditions or the Specific Conditions or monitoring requirements of the permit unless so indicated specifically in this modification. **This letter must be attached to the original permit.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320

Recycled Paper  
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Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

Mr. Greg Mathes  
September 20, 1993  
Page two

120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management



EEF:mc MF

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification and all copies were mailed before the close of business on September 22, 1993 to the listed persons.

cc: Scott Kelly, P.E.  
Douglas Miller, P.E.

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

Margaret Lockamy 9-22-93  
Clerk Date



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

September 22, 1993

CERTIFIED - RETURN RECEIPT

Mr. Greg Mathes  
Division President and General Manager  
Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill - Duval County  
Modification No. 235269 of Issued  
Permit No. SC16-184444

Your request to modify this permit was received on July 30, 1993 and reviewed by Department staff. The modification is to Page 9-1, A. 1. of the Operations Plan, Designation of Responsible Person(s), to change the maximum operating hours from 6:30 a.m. to 10:00 p.m. to 5:00 a.m. to 10:00 p.m. with normal hours changed from 8:00 a.m. to 8:00 p.m. to 6:00 a.m. to 7:00 p.m.

This Notice of Modification does not alter the expiration date, the General Conditions or the Specific Conditions or monitoring requirements of the permit unless so indicated specifically in this modification. **This letter must be attached to the original permit.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

Mr. Greg Mathes  
September 20, 1993  
Page two

120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

MN  
EEF:mc MF

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification and all copies were mailed before the close of business on September 22, 1993 to the listed persons.

cc: Scott Kelly, P.E.  
Douglas Miller, P.E.

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

*Margaret Lockamy* 9-22-93  
Clerk Date



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

July 27, 1993

CERTIFIED - RETURN RECEIPT

Mr. Douglas C. Miller, P.E.  
England-Thims & Miller, Inc.  
3131 St. Johns Bluff Road South  
Jacksonville, Florida 32216

Dear Mr. Miller:

Trail Ridge Landfill - Duval County  
Modifications No. 230404 and 231431 of  
Issued Permit No. SC16-184444

Your requests to modify this permit were received on May 14, 1993 and April 29, 1993 and reviewed by Department staff. The modifications are to define an exterior side slope both vertically and horizontally and to correct minor errors or typographical errors in the body of the permit.

This Notice of Modification does not alter the expiration date, the General Conditions or the Specific Conditions, with the exception of 4, 16(g), 34, 51 and 54, or monitoring requirements of the permit unless so indicated specifically in this modification. **This letter must be attached to the original permit and the modified pages must be inserted as replacement pages.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses



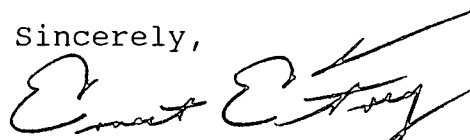
Mr. Douglas Miller, P.E.  
July 27, 1993  
Page two

and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

NN  
EEF:mc

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification and all copies were mailed before the close of business on July 27, 1993 to the listed persons.

cc: Honorable Ed Austin  
Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones  
Scott Kelly, P.E.  
William Congdon  
Mr. Tom Nelson  
Mr. Mike Hogan  
Ms. Pamela Presnell Garvin  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Langenfeld

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120 52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Margaret Locking 7-27-93  
Clerk Date

Mr. Nolan Green  
Mr. J. Alan Cox  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. J. R. Jacobs

**PERMITTEE:**

Trail Ridge Landfill, Inc.

**I.D. Number:** GMS3116P03090

**Permit/Cert Number:** SC16-184444

**Date of Issue:** 12-24-91

**Modification Date:** 7-27-93

**Expiration Date:** 12-24-96

**SPECIFIC CONDITIONS (CONT'D):**

4. A design for the Class I area to include 15-foot wide benches or terraces on the side slopes approximately every 20 vertical feet shall be submitted to the Department no later than 30 days after the commencement of construction. If the Department determines that such a design is inadequate, the Permittee shall correct such inadequacies to the satisfaction of the Department. If such inadequacies are not corrected to the satisfaction of the Department, the Permittee shall cease accepting waste at the facility. The final design shall be implemented by Permittee for each solid waste disposal side slope unit described in Specific Condition No. 34.
5. A design which provides an oil and grease skimmer for the outlet control structures for each stormwater management area shall be submitted to the Department no later than 30 days after the commencement of construction. If the Department determines that such design is inadequate, the Permittee shall correct such inadequacies to the satisfaction of the Department. The final design shall be implemented by Permittee during construction, prior to the acceptance of any waste.
6. A design to include an adequate berm system surrounding the leachate truck loading area to segregate potential leachate spills from the stormwater system shall be submitted to the Department no later than 30 days after the commencement of construction. If the Department determines that such design is inadequate, the Permittee shall correct such inadequacies to the satisfaction of the Department. The final design shall be implemented by Permittee during construction, prior to the acceptance of any waste.
7. Surface water runoff and/or diversion controls included in the plans and/or this permit shall be installed and operational prior to construction of the disposal areas. Surface water runoff shall be controlled during the construction stage and shall comply with FAC Chapter 17-3 at the site boundary.
8. Turbidity barriers shall be installed at all locations where the possibility of transferring suspended solids into the receiving water body exists due to the proposed work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. The Permittee shall be responsible for the removal of the barriers.
9. Turbidity controls shall be utilized throughout the project to contain any turbidity generated that exceeds State water quality standards.
10. Turbidity monitoring shall be conducted during any activity authorized by this permit which dislodges, removes or otherwise disturbs the soils within 50 feet of waters of the State which maintain a base flow in response to groundwater or flow during storm events. Sampling shall be conducted within 50 feet, in the down-current direction, of the activity or a turbidity curtain surrounding the activity and in a nearby unaffected area (background). During the activity, samples shall be taken every 3 hours. If turbidity levels exceed 29 NTU's above the background level, then the activity shall be halted until authorization from the Department has been received. A complete monitoring report shall be submitted to the Department on a weekly basis which shall include sample time, turbidity level, background turbidity, distance between sample and source, and method of analyses. A negative report shall be submitted if no activities take place within 50 feet of waters of the State as described above.

**PERMITTEE:**

Trail Ridge Landfill, Inc.

**I.D. Number:** GMS3116P03090

**Permit/Cert Number:** SC16-184444

**Date of Issue:** 12-24-91

**Modification Date:** 7-27-93

**Expiration Date:** 12-24-96

**SPECIFIC CONDITIONS (CONT'D):**

16. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:
- (a) Removal of trash and debris.
  - (b) Inspection of inlets and outlets.
  - (c) Removal of sediments when the storage volume or conveyance capacity of the system is below design level.
  - (d) Stabilization and restoration of eroded areas.
  - (e) Mowing and removal of grass clippings.
  - (f) Aeration, tilling or replacement of topsoil as needed to restore percolation capability of the
  - (g) Deleted 7-27-93.
- The stormwater management system shall be inspected after each heavy rain, but at a minimum once per quarter.
17. The permittee is required to provide for periodic inspections of the stormwater management system. The permittee shall submit reports to the Department certifying that the stormwater management system is operating as designed. The reports shall be submitted to the Department as follows:
- (a) Inspection reports for retention, underdrain, wet detention, and swales shall be submitted one year after completion of construction and annually thereafter.
  - (b) Inspection reports for filtration treatment systems and pumped systems shall be submitted one year after completion of construction and annually thereafter. A registered professional must sign and seal the report certifying the filtration treatment system and/or pumped system is operating as designed.
18. If the stormwater management system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design standards, the permittee must either replace the system or construct an alternative design. If the Department determines that the original design is deficient, the Permittee must submit a permit modification application within sixty (60) days of the date the system was determined to be design deficient.
19. Following completion of all significant construction activities, the Permittee or authorized representative shall complete and submit to the Department, DER Form 17-7.130(2), entitled "Certification of Construction Completion Application to Operate only Resource Recovery and Management Facility." The Permittee shall

**PERMITTEE:**

Trail Ridge Landfill, Inc.

**I.D. Number:** GMS3116P03090

**Permit/Cert Number:** SC16-184444

**Date of Issue:** 12-24-91

**Modification Date:** 7-27-93

**Expiration Date:** 12-24-96

**SPECIFIC CONDITIONS (CONT'D):**

27. Objectionable odors originating from the site shall be effectively controlled. A gas venting system shall be installed in accordance with the plans and specifications in the permit application. Should objectionable odors or gas migration become a problem, the passive gas venting system shall be converted to an active system with a flare or other means to destroy the landfill decomposition gas(es).
28. Litter control devices shall be installed as necessary to prevent litter from leaving the disposal areas.
29. Any interruption of regular landfill activities (fire, natural disasters, equipment breakdown) shall be immediately reported to the Department by phone. In the event of equipment breakdown, reserve equipment capable of performing basic disposal operations shall be made available at the site within 24 hours, excluding holidays or other days when the landfill is closed.
30. No landfill side slope, including temporary internal side slopes, shall be steeper than 3-to-1 (horizontal to vertical).
31. All exterior landfill side slopes shall have an initial cover of eighteen inches.
32. The proposed practice of punching holes into the intermediate cover layer on top of each cell of solid waste within the Class I area is prohibited.
33. The initial placement of select waste in the Class I area will be done under the supervision of a quality assurance engineer.
34. The final cap and cover system including permanent vegetation shall be placed over the entire surface of each completed solid waste disposal exterior side slope unit within 180 days after final waste placement. An exterior side slope unit is that area defined vertically between the toe of the slope and intermediate benches or terraces, or that area between two intermediate benches or terraces, and horizontally between two high points with a downcomer in between in which final waste deposition has occurred. The Side Slope Unit Closure Plan submitted on April 29, 1993 shall be used to delineate the exterior side slope units and shall be followed during performance of closure activities.
35. A trained supervisor or foreman shall be responsible for maintaining the site in an orderly, safe, and sanitary manner in accordance with FAC Rules 17-703.300 and 17-703.400. This includes maintenance of the leachate collection system by water jet cleaning. Sufficient personnel shall be employed as noted in the operations plan to adequately operate the facility.
36. All-weather access roads to the site and disposal areas shall be maintained. Dust control methods (i.e. water sprays) shall be employed as necessary.
37. Quantitative records of leachate collected and sent off-site for treatment shall be kept and made available to the Department upon request. Disposal of leachate shall be in accordance with all applicable regulations and shall include the running of a TCLP analysis prior to disposal to determine if it is hazardous. Within six months of placing waste in the lined facility or when sufficient leachate has been generated, a detailed chemical characterization of a representative sample of the

**PERMITTEE:**

Trail Ridge Landfill, Inc.

**I.D. Number:** GMS3116P03090

**Permit/Cert Number:** SC16-184444

**Date of Issue:** 12-24-91

**Modification Date:** 7-27-93

**Expiration Date:** 12-24-96

**SPECIFIC CONDITIONS (CONT'D):**

(c) The permittee shall notify the Northeast District Office of the Department, in writing, of the "start date" of the excavation of the Class III Stormwater Management Pond within 7 days of the commencement of the activity.

49. The initial planting of the mitigation areas, per appended mitigation plan Section 4(b)(4), shall be completed no later than one year after commencement of the construction activities authorized by this permit.
50. The Permittee shall submit an as-built survey of the wetland creation areas showing dimensions, grades, ground elevations, and water surface elevations certified by a registered surveyor or professional engineer. The as-builts must be submitted within thirty (30) days of the initial planting.
51. The Permittee shall furnish the Department with monitoring reports on the wetland creation areas describing:
  - a. Percent survival and diversity of planted species within each stratum;
  - b. Recruitment density and composition within each stratum;
  - c. Recorded growth via established parameters for planted trees and shrubs;
  - d. Percent cover of herbaceous species;
  - e. Surface water elevations referenced to N.G.V.D., or if surface water is not present, groundwater elevation referenced to N.G.V.D.

The first monitoring year shall start as of the planting date and data shall be collected and submitted in accordance with Specific Condition No. 49. Reports to the Department must also include photographs, descriptions of problems encountered, and solutions undertaken.

52. Within the wetland creation areas, non-native vegetation and nuisance vegetation such as Typha spp. shall be controlled by hand clearing or other methods approved by the Department so that they constitute no more than 10% of the areal cover at any monitoring period.
53. Successful establishment of wetland creation shall occur when:
  - a. on an annual basis at least 80% of the planted individuals in each stratum have survived and are showing signs of normal annual growth, based on standard growth parameters such as height and base diameter, or canopy circumference; and
  - b. the above criteria has been achieved and maintained for a three (3)-year period following initial planting
54. In the event that the success criteria as stated in Specific Condition No. 53 are not achieved by the expiration date of this permit, Permittee shall enter into a long-term agreement with the Department so as to ensure the success of the mitigation plan.



# Florida Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

July 27, 1993

CERTIFIED - RETURN RECEIPT

Mr. Douglas C. Miller, P.E.  
England-Thims & Miller, Inc.  
3131 St. Johns Bluff Road South  
Jacksonville, Florida 32216

Dear Mr. Miller:

Trail Ridge Landfill - Duval County  
Modification No. 230403 of Issued Permit No. SC16-184444

Your request to modify this permit was received on April 29, 1993 and reviewed by Department staff. The modification is to substitute the use of eighteen (18) inches of barrier soil with a permeability of 1EE-5 cm/sec with twelve (12) inches of compacted clay with a permeability of 1EE-7 cm/sec.

This Notice of Modification does not alter the expiration date, the General Conditions or Specific Conditions, with the exception of Specific Condition No. 1.a. or monitoring requirements of the permit unless so indicated specifically in this modification. **This letter must be attached to the original permit and the modified pages must be inserted as replacement pages.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses

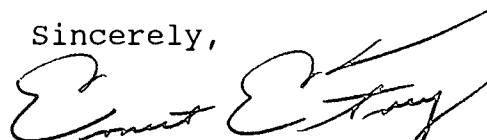
Mr. Douglas Miller, P.E.  
July 27, 1993  
Page two

and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

MM

EEF:mc

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification and all copies were mailed before the close of business on July 27, 1993 to the listed persons.

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

cc: Honorable Ed Austin  
Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones  
Scott Kelly, P.E.  
William Congdon  
Mr. Tom Nelson  
Mr. Mike Hogan  
Ms. Pamela Presnell Garvin  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Langenfeld

Margaret Lockamy 7-27-93  
Clerk Date

Mr. Nolan Green  
Mr. J. Alan Cox  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. J. R. Jacobs

**PERMITEE:**

Trail Ridge Landfill, Inc.

**I.D. Number:** GMS3116P03090

**Permit/Cert Number:** SC16-184444

**Date of Issue:** 12-24-91

**Modification Date:** 7-27-93

**Expiration Date:** 12-24-96

**SPECIFIC CONDITIONS (CONT'D):**

- a. For closure, the Permittee shall install twelve (12) inches of compacted clay with a permeability of 1EE-7 cm/sec as the barrier soil as indicated in the detail sheet submitted on April 29, 1993.
2. The Permittee shall submit to the Department for approval a revised Quality Control/Quality Assurance Plan for installing the Class I area synthetic liner system, after selection of the synthetic liner manufacturer, and prior to its installation. The plan shall include the following:
  - a. Retention of a registered professional engineer for independent quality assurance.
  - b. Minimum qualifications of the Construction Quality Assurance engineer and supporting Quality Assurance personnel.
  - c. Sampling activities, size and locations, frequency of testing, acceptance and rejection criteria, and plans for implementing corrective measures that may be necessary.
  - d. Procedure for testing the density of the compacted clay subbase at least once per acre.
  - e. Procedures for testing the permeability of the Claymax at least once per 40,000 square feet.
  - f. The synthetic liner manufacturer's and installer's specific recommendations for acceptability of the soil portion ("subgrade" for the synthetic liner) and the Claymax portion of the liner system. The Permittee shall ensure that the installation contractor of the synthetic portion submits his certification of acceptance of the subgrade to the Department immediately upon its execution.
  - g. The synthetic liner manufacturer's specifications and recommendations for installing and testing the specific liner selected and demonstrating that it meets or exceeds NSF Standard 54. Quality Assurance Reports shall be submitted to the Department with the Certification of Completion. Installation of the synthetic liner for the leachate holding basin shall be performed in accordance with the Department approved Construction Quality Assurance Plan and shall meet the liner manufacturer's recommended installation procedures, pursuant to FAC Rule 17-701.050(4)(c).
3. The Permittee shall establish financial assurance for closure and long-term care. Proof that the financial assurance mechanism is funded in accordance with FAC Rule 17-701.076 shall be submitted to the Department sixty (60) days prior to the acceptance of any solid waste at the facility [17-701.076(2)]. All submittals in response to this specific condition shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.





Lawton Chiles  
Governor

Florida Department of  
Environmental Protection

*Mary*  
*Net*

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7577

Virginia B. Wetherell  
Secretary

July 21, 1993

CERTIFIED - RETURN RECEIPT

Mr. Tom Nelson  
President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, FL 32234

Dear Mr. Nelson:

RE: Trail Ridge Landfill - Duval County  
Modification No. 230717 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification is: (1) The addition of downcomer pipes on the eastern slope (D-85) and northeast corner (D-21) to extend up to terrace T-4 and T-3 respectively; (2) The addition of 6 inch perforated HDPE underdrain with a filtersock along the terraces discharging to the downcomer pipes; and (3) elimination of Enkamat along the perimeter road interior perimeter swale, in accordance with the modification request and plans received on May 5, 1993.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This Notice of Modification does not alter the expiration date, the Specific Conditions of General Conditions, or monitoring requirements of the original permit unless so indicated specifically in modification.

This letter must be attached to the original permit.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code

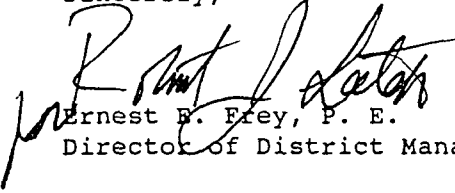
Trail Ridge Landfill, Inc.  
Modification No. 230717 of Issued Permit No. SC16-184444  
Page Two  
July 21, 1993

Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Protection at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Jai P. Prasad, Stormwater Engineer, at the letterhead address or telephone (904) 448-4340, extension 345.

Sincerely,

  
Ernest E. Frey, P. E.  
Director of District Management

JPR  
EEF:jt/eml

cc:  Mr. William Congdon  
 Douglas C. Miller, P.E.  
 Honorable Ed Austin  
 Honorable Sherry Walker  
 Honorable George Crady  
 Honorable Steve Kennedy  
 Honorable Marvin E. Godbold, Jr.  
 Honorable Warren Jones  
 Mr. Allan E. Williams  
 Mr. Clarence Suggs  
 Mr. J. Alan Cox  
 Mr. & Mrs. Fred Munson, Sr.  
 Ms. Karen Peterson  
 Ms. Janice Langenfeld  
 Mr. Nolan Green  
 Mr. Darrell Sperry  
 Mr. Will E. Furlong, P.E.  
 Ms. Pamela Presnell Garvin  
 Ms. Ellen Long  
 Ms. Sylvia Thibault  
 Mr. Lambert L. Herring  
 Mr. John G. Herring  
 Mr. Ronnie E. Hall  
 Mr. J. R. Jacobs  
 Ms. Jeanette Bullock  
 Ms. Mary Nogas, P.E.



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Virginia B. Wetherell, Secretary

March 19, 1993

## CERTIFIED - RETURN RECEIPT

✓ Mr. Douglas C. Miller, P. E.  
England-Thims & Miller  
3131 St. Johns Bluff Road South  
Jacksonville, Florida 32216

Dear Mr. Miller:

Trail Ridge Landfill - Duval County  
Modification No. 227169 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification is to change the phasing sequence of operation of Phases I & II to the following: Phase IA, Phase IB, Phase IIA, Phase IIB, Phase IC, and Phase IIC. Additionally, for Phase II only, Specific Condition 38.b.(2) would be modified to allow submittal of results twenty days prior to acceptance of waste in that phase, rather than sixty days.

This Notice of Modification does not alter the expiration date, the General Conditions, or any of the Specific Conditions with the exception of 38.b.(2), as noted above. **This letter must be attached to the original permit.**

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320

Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366



Mr. Douglas C. Miller, P. E.

March 19, 1993

Page two

to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen-day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,

*Ernest E. Frey*  
Ernest E. Frey, P. E.  
Director of District Management

EEF:ml1

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Minor Modification and all copies were mailed before the close of business on March 19, 1993 to the listed persons.

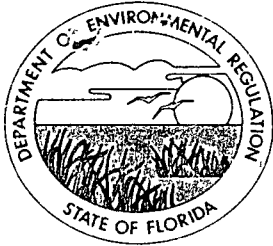
Copies furnished to:

- / Honorable Ed Austin
- / Honorable George Crady
- / Honorable Steve Kennedy
- / Honorable Marvin E. Godbold, Jr.
- / Honorable Warren Jones
- Scott Kelly, P. E.
- William Congdon
- / Mr. Tom Nelson
- / Mr. Mike Hogan
- / Mr. J. Alan Cox
- / Mr. & Mrs. Fred Munson, Sr.
- / Ms. Karen Peterson
- / Ms. Janice Langenfeld
- / Mr. Nolan Green
- / Ms. Pamela Presnell Garvin
- / Mr. Lambert L. Herring
- / Mr. John G. Herring
- / Mr. J. R. Jacobs

FILING AND ACKNOWLEDGEMENT

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

*Margaret Lockery* 3-17-93  
Clerk Date



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

December 28, 1992

CERTIFIED - RETURN RECEIPT

Mr. Tom Nelson  
Division Vice President & Controller  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Nelson:

Trail Ridge Landfill, Inc.  
Minor Modification  
Permit No. SC16-184444  
DER File No. 207131  
Duval County - Solid Waste

This is in reference to your application for a minor modification for the above-referenced permit.

Enclosed is a Notice of Permit Modification and the minor modification for the referenced facility.

If you have any questions, please contact Mary Nogas of this office.

Sincerely,

for Michael J. Fitzsimmons  
Waste Program Administrator

MJF: mnl

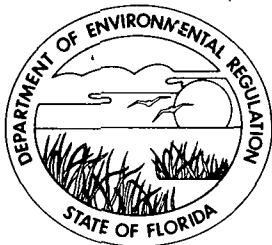
Enclosures

cc: ✓ Douglas C. Miller, P. E.  
✓ Honorable Ed Austin  
✓ Honorable George Crady  
✓ Honorable Steve Kennedy  
✓ Honorable Marvin E. Godbold, Jr.  
✓ Honorable Warren Jones

Trail Ridge Landfill Minor Modification  
December 28, 1992  
Page two

Copies furnished to (Cont'd.)

- Mr. William Congdon, OGC, DER
- ✓ Mr. John Draper
- ✓ Mr. Mike Hogan
- ✓ Mr. J. Alan Cox
- ✓ Mr. & Mrs. Fred Munson, Sr.
- ✓ Ms. Karen Peterson
- ✓ Ms. Janice Langenfeld
- ✓ Mr. Nolan Green
- ✓ Mr. Darrell Sperry
- ✓ Ms. Pamela Presnell Garvin
- ✓ Mr. Lambert L. Herring
- ✓ Mr. John G. Herring
- ✓ Mr. Ronnie E. Hall
- ✓ Mr. J. R. Jacobs



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

## NOTICE OF PERMIT MODIFICATION

In the matter of an  
Application for Permit Modification  
by: Trail Ridge Landfill, Inc.  
Post Office Box 6987  
Jacksonville, Florida 32236

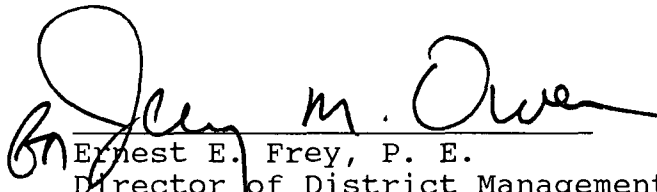
DER File No. 207131  
Duval County

Enclosed is the minor modification to Permit Number SC16-184444 to allow the daily tonnage accepted at the Trail Ridge Landfill to increase, issued pursuant to Chapters 373 and 403, Florida Statutes.

Any party to this 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 32399-2400; 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 this Notice is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Ernest E. Frey, P. E.  
Director of District Management  
Northeast District  
7825 Baymeadows Way, Suite B-200  
Jacksonville, Florida 32256-7577  
(904) 448-4300

Notice of Permit Modification  
Trail Ridge Landfill, Inc.  
Duval County  
Page two

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on December 29, 1992 to the listed persons.

FILING AND ACKNOWLEDGEMENT

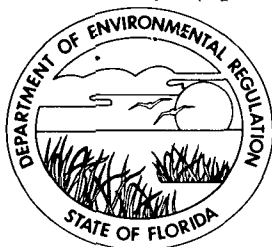
FILED, on this date, pursuant to §190.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

*Margaret Lockay* 12-25-92  
Clerk Date

Copies furnished to:

Douglas C. Miller, P. E.  
Honorable Ed Austin  
Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones  
Mr. William Congdon, OGC, DER  
Mr. John Draper  
Mr. Mike Hogan  
Mr. J. Alan Cox  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Langenfeld  
Mr. Nolan Green  
Mr. Darrell Sperry  
Mr. Will E. Furlong, P.E.  
Ms. Pamela Presnell Garvin  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. Ronnie E. Hall  
Mr. J. R. Jacobs





# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

December 28, 1992

CERTIFIED - RETURN RECEIPT

Mr. Tom Nelson  
Division Vice President & Controller  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Nelson:

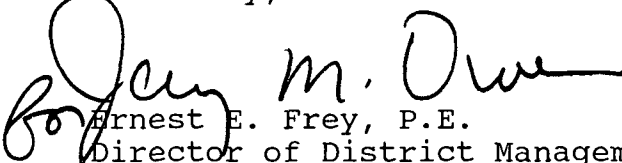
Trail Ridge Landfill, Inc.  
Minor Modification  
Permit No. SC16-184444  
DER File No. 207131  
Duval County - Solid Waste

The Department has reviewed your request, dated January 15, 1992, and supplemented on February 13, 1992, for a minor modification of the referenced permit. This modification would allow the daily operating tonnage rate of receipt to increase to 2,600 tons per day (monthly average) with peak individual days up to 3,000 tons per day.

The Department approves this minor modification. The submitted request and this letter must be attached to the permit, as these become part of the permit.

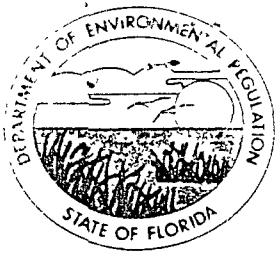
If you have any questions concerning this matter, please contact Mary C. Nogas of the solid waste section, at the letterhead address or telephone number 448-4320.

Sincerely,

  
Ernest E. Frey, P.E.  
Director of District Management

EEF: mnl

cc: Douglas C. Miller, P.E.



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

TO: Jerry Owen  
FROM: Ernie Frey *EF*  
DATE: December 14, 1992  
SUBJECT: Delegation of Authority

During my absence on December 23-31, 1992, you are authorized to sign all documents excluding NOV's, CO's and court stipulated settlements.

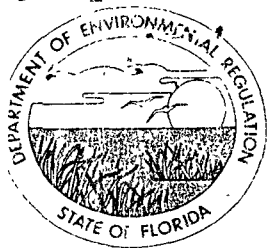
A copy of this memo will be filed with each document that you sign.

EEF/hd

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

November 23, 1992

## CERTIFIED - RETURN RECEIPT

Mr. Tom Nelson  
President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Nelson:

Trail Ridge Landfill - Duval County  
Modification No. 219482 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification is to provide a waste tire processing facility at the site. All waste tires on the site will be processed every 90 days.

This Notice of Modification does not alter the expiration date, the Specific Conditions or General Conditions, or monitoring requirements of the permit unless so indicated specifically in modification. This letter must be attached to the original permit.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

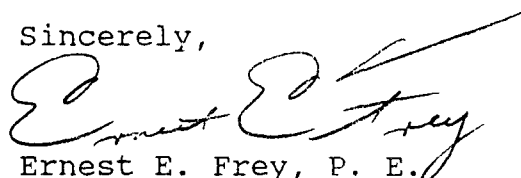
Mr. Tom Nelson  
November 23, 1992  
Page two

with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Mary C. Nogas at the letterhead address or telephone (904) 448-4320.

Sincerely,

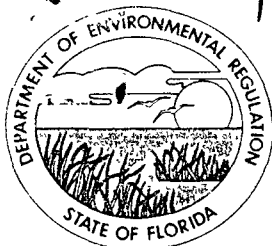


Ernest E. Frey, P. E.  
Director of District Management

EEF:sll

cc:  Douglas C. Miller, P. E.  
 Honorable Ed Austin  
 Honorable Sherry Walker  
 Honorable George Crady  
 Honorable Steve Kennedy  
 Honorable Marvin E. Godbold, Jr.  
 Honorable Warren Jones  
 Mr. William Congdon  
 Mr. Clarence Suggs  
 Mr. J. Alan Cox  
 Mr. & Mrs. Fred Munson, Sr.  
 Ms. Karen Peterson  
 Ms. Janice Langenfeld  
 Mr. Nolan Green  
 Mr. Darrell Sperry  
 Mr. Will E. Furlong, P.E.  
 Ms. Pamela Presnell Garvin  
 Ms. Ellen Long  
 Ms. Sylvia Thibault  
 Mr. Lambert L. Herring  
 Mr. John G. Herring  
 Mr. Ronnie E. Hall  
 Mr. J. R. Jacobs  
 Ms. Jeanette Bullock

Mary Noga



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

September 28, 1992

## CERTIFIED - RETURN RECEIPT

Mr. Tom Nelson  
President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, FL 32234

Dear Mr. Nelson:

RE: Trail Ridge Landfill - Duval County  
Modification No. 218294 of Issued Permit No. SC16-184444

Your request to modify this permit has been received and reviewed by Department staff. The modification is to: (1) Change grading and material in tire storage area from crushed aggregate to asphaltic concrete containing 2.16 acres within the permitted boundary; and (2) Pipe roadside ditch adjacent to scale house and install exit by-pass roadway containing 0.27 acre within the permitted boundary. In addition, the following sentence is added to the Specific Condition Number 7 of the Permit No. SC16-184444: The surface runoff conveyance system to the detention facilities including established erosion control vegetative cover will be completed within one hundred-twenty (120) days of this modification.

This Notice of Modification does not alter the expiration date, the Specific Conditions or General Conditions, or monitoring requirements of the permit unless so indicated specifically in modification. This letter must be attached to the original permit.

Since the proposed modification is not expected to result in any adverse environmental impact or water quality degradation, the permit is hereby modified as requested. By copy of this letter, we are notifying all necessary parties of the modification.

This letter constitutes final agency action unless a person substantially affected by this action requests an administrative hearing pursuant to Section 120.57, Florida Statutes. The petition must be filed within fourteen (14) days from receipt of this letter. The petition must comply with the requirements of Florida Administrative Code Rule 28-5.201 and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions which are not filed in accordance with the above provisions will not be accepted by the Department. If a formal hearing pursuant to Section 120.57(1), is requested, at such formal hearing all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and order, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal proceeding is requested, the agency will, in accordance with its rules of procedure, give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written

statement challenging the grounds upon which the agency has chosen to justify its action

Administration	448-4300	Water Facilities	448-4330
Air	448-4310	Water Management	448-4340
Waste Management	448-4320	FAX	448-4366



Trail Ridge Landfill, Inc.

Modification No. 218294 of Issued Permit No. SC16-184444

Page Two

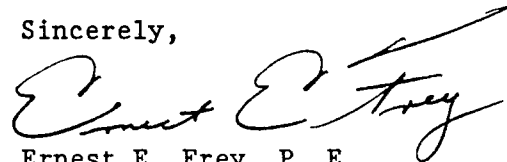
September 28, 1992

or inaction, pursuant to Section 120.57(2), Florida Statutes. The hearing process is designed to formulate agency action. Accordingly, the Department's final action as a result of a hearing may be different from the position taken by it in this stage. Therefore, any person who may wish to contest the Department's ultimate permitting decision must petition for a hearing within the fourteen day period described above.

Failure to file a request for a hearing within this time period shall constitute a waiver of any right such person may have to request a hearing under Section 120.57, Florida Statutes.

If you have any questions about this matter, please contact Jai P. Prasad, Stormwater Engineer, at the letterhead address or telephone (904) 448-4340, extension 345.

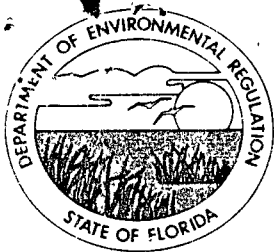
Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

<sup>ST</sup>  
EEF:jt/eml

cc: Mr. William Congdon  
Douglas C. Miller, P.E.  
Honorable Ed Austin  
Honorable Sherry Walker  
Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones  
Mr. Allan E. Williams  
Mr. Clarence Suggs  
Mr. J. Alan Cox  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Langenfeld  
Mr. Nolan Green  
Mr. Darrell Sperry  
Mr. Will E. Furlong, P.E.  
Ms. Pamela Presnell Garvin  
Ms. Ellen Long  
Ms. Sylvia Thibault  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. Ronnie E. Hall  
Mr. J. R. Jacobs  
Ms. Jeanette Bullock  
Ms. Mary Nogas, P.E. ✓



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-1577

Lawton Chiles, Governor

Carol M. Browner, Secretary

May 27, 1992

CERTIFIED - RETURN RECEIPT

Mr. Douglas C. Miller, P. E.  
England-Thims & Miller  
3131 St. Johns Bluff Road South  
Jacksonville, Florida 32216

Dear Mr. Miller:

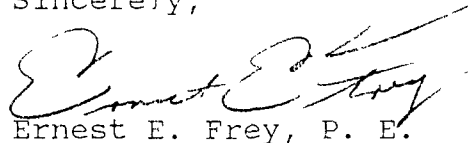
Trail Ridge Landfill  
Minor Modification  
Permit No. SC16-184444  
DER File No. 213113  
Duval County - Solid Waste

The Department has reviewed your request, received on May 8, 1992, for a minor modification of the referenced permit. The requested modification is a slight alteration to the site boundary.

The Department approves this request; the submitted request and this letter must be attached to the permit, as these become part of the permit.

If you have any questions about this matter, please contact Mary C. Nogas of the Solid Waste Section, at the letterhead address or telephone number (904)448-4320.

Sincerely,



Ernest E. Frey, P. E.  
Director of District Management

EEF: mnl

cc: Douglas C. Miller, P.E.  
✓ Honorable Ed Austin  
✓ Honorable Sherry Walker  
✓ Honorable George Crady  
✓ Honorable Steve Kennedy  
✓ Honorable Marvin E. Godbold, Jr.  
✓ Honorable Warren Jones

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

Mr. Douglas C. Miller

Trail Ridge Landfill Minor Modification

May 27, 1992

Page two

Copies furnished to (Cont'd.)

Mr. William Congdon

Mr. Clarence Suggs

Mr. J. Alan Cox

Mr. & Mrs. Fred Munson, Sr.

Ms. Karen Peterson

Ms. Janice Langenfeld

Mr. Nolan Green

Mr. Darrell Sperry

Mr. Will E. Furlong, P.E.

Ms. Pamela Presnell Garvin

Ms. Ellen Long

Ms. Sylvia Thibault

Mr. Lambert L. Herring

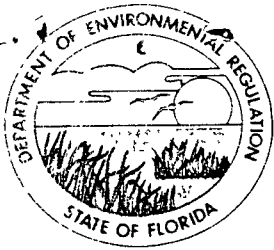
Mr. John G. Herring

Mr. Ronnie E. Hall

Mr. J. R. Jacobs

Ms. Jeanette Bullock





# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 29, 1992

CERTIFIED - RETURN RECEIPT

Mr. Dwayne Igou  
Trail Ridge Landfill, Inc.  
Post Office Box 6987  
Jacksonville, Florida 32236

Dear Mr. Igou:

Trail Ridge Landfill, Inc.  
Minor Modification  
Permit No. SC16-184444  
DER File No. 211067  
Duval County - Solid Waste

The Department has reviewed your request, received March 30, 1992, for a minor modification of the referenced permit. This modification would allow for minor modification to the ancillary facilities and appurtenant stormwater system.

The Department approves this minor modification. The submitted request and this letter must be attached to the permit, as these become part of the permit.

If you have any questions concerning this matter, please contact Mary C. Nogas of the solid waste section, at the letterhead address or telephone number 448-4320.

Sincerely,

Ernest E. Frey, P.E.  
Director of District Management

MU MF  
EEF:mnl

cc: ✓ Douglas C. Miller, P.E.  
✓ Honorable Ed Austin  
✓ Honorable Sherry Walker  
✓ Honorable George Crady  
✓ Honorable Steve Kennedy  
✓ Honorable Marvin E. Godbold, Jr.  
✓ Honorable Warren Jones

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320

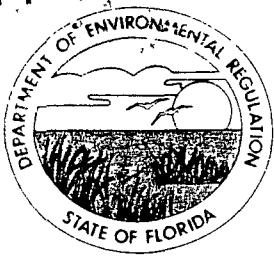


Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

Mr. Dwayne Igou  
Trail Ridge Landfill Minor Modification  
April 29, 1992  
Page two

Copies furnished to (Cont'd.)

✓ Mr. William Congdon  
✓ Mr. Clarence Suggs  
✓ Mr. J. Alan Cox  
✓ Mr. & Mrs. Fred Munson, Sr.  
✓ Ms. Karen Peterson  
✓ Ms. Janice Langenfeld  
✓ Mr. Nolan Green  
✓ Mr. Darrell Sperry  
✓ Mr. Will E. Furlong, P.E.  
✓ Ms. Pamela Presnell Garvin  
✓ Ms. Ellen Long  
✓ Ms. Sylvia Thibault  
✓ Mr. Lambert L. Herring  
✓ Mr. John G. Herring  
✓ Mr. Maurice T. Samples  
✓ Mr. Ronnie E. Hall  
✓ Mr. J. R. Jacobs  
✓ Ms. Jeanette Bullock



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

March 2, 1992

CERTIFIED - RETURN RECEIPT

Mr. Dwayne Igou  
Trail Ridge Landfill, Inc.  
Post Office Box 6987  
Jacksonville, Florida 32236

**DRAFT**

Dear Mr. Igou:

Trail Ridge Landfill, Inc.  
Minor Modification  
Permit No. SC16-184444  
DER File No. 207131  
Duval County - Solid Waste

The Department has reviewed your request, dated January 15, 1992, and supplemented on February 13, 1992, for a minor modification of the referenced permit. This modification would allow the daily operating tonnage rate of receipt to increase to 2,600 tons per day (monthly average) with peak individual days up to 3,000 tons per day.

The Department approves this minor modification. The submitted request and this letter must be attached to the permit, as these become part of the permit.

If you have any questions concerning this matter, please contact Mary C. Nogas of the solid waste section, at the letterhead address or telephone number 448-4320.

Sincerely,

Ernest E. Frey, P.E.  
Director of District Management

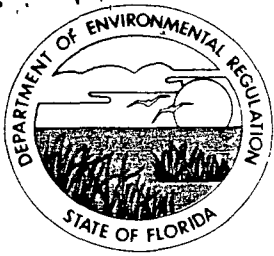
EEF:mn1

cc: Douglas C. Miller, P.E.

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

March 2, 1992

## CERTIFIED - RETURN RECEIPT

Mr. Douglas C. Miller, P.E.  
England Thims & Miller, Inc.  
3131 St. Johns Bluff Road, South  
Jacksonville, Florida 32216

Dear Mr. Miller:

Trail Ridge Landfill  
Minor Modification of Permit No. SC16-184444  
DER File No. 207131  
Duval County - Solid Waste

This is in reference to your application for a Minor Modification of your permit to construct and operate the Trail Ridge Landfill.

Florida Administrative Code (FAC) Rule 17-103.150 and Section 403.815, Florida Statutes, require that you publish a Notice of Intent at your own expense.


Please have the enclosed notice published one time only in the legal advertisement section of major newspapers of general circulation in Duval and Baker Counties in the area close to where the project is located (affected area) as soon as possible and no later than thirty (30) days from receipt of this notice.

Proof of publication shall be provided to the Department of Environmental Regulation within seven (7) days of publication. The processing of the application will be delayed until fourteen (14) days after this office has received the proof of publication. Failure to publish this Notice of Intent will be basis for denial of the permit.

Attached is a copy of the Intent to Issue and a draft permit modification for the construction of the referenced facility.

If you have any questions, please contact Mary Nogas at the letterhead address or telephone number.

Sincerely,

  
Michael J. Fitzsimmons  
Waste Program Administrator

MJF  
MJF: mnl  
Enclosures

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of an  
Application for Permit by:

DER File No. 207131

Trail Ridge Landfill, Inc.  
Post Office Box 6987  
Jacksonville, Florida 32236

---

INTENT TO ISSUE

The Department of Environmental Regulation gives notice of its intent to issue a Minor Modification (copy attached) of Permit No. SC16-184444 to increase the allowable solid waste tonnage at the Trail Ridge Landfill in Duval County.

The applicant, Trail Ridge Landfill, Inc., applied to the Department of Environmental Regulation for the modification on January 15, 1992. The project site is approximately 1288± acres in size and is located approximately one mile north of Maxville on the west side of U.S. Highway 301.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 17-3, 17-4, and 17-701. The proposed modification is not exempt from permitting procedures. The applicant has provided reasonable assurance that the proposed work will comply with all applicable Department regulations and Chapter 403, F.S.

Pursuant to Section 403.815, F.S., and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected.

For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place and in the adjoining county. The applicant shall provide proof of publication to the Department, at the Northeast District Office, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7577 within seven (7) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person 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, F.S. 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, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall

constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner; the Department's identification number, and the county in which the subject matter or activity is located;

(b) A statement of how and when each petitioner received notice of the 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

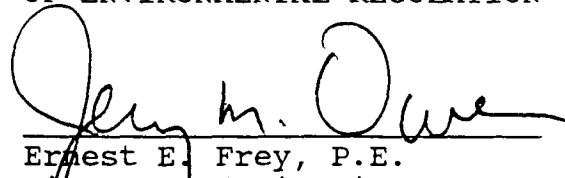
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 intent. 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 14 days of receipt of this intent, 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, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Ernest E. Frey, P.E.  
Director of District Management  
Northeast District Office  
7825 Baymeadows Way, Suite 200-B  
Jacksonville, Florida 32256-7577  
(904)448-4300

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on March 2, 1992 to the listed persons.

Copies furnished to:

Dwayne Igou, Trail Ridge Landfill, Inc.  
Douglas C. Miller, P.E.  
Honorable Ed Austin  
Honorable Sherry Walker  
Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones

SEARCHED INDEXED  
SERIALIZED FILED  
MAR 2 1992  
FBI - JACKSONVILLE  
*Margaret Lockamy* 3-2-92



Trail Ridge Landfill Intent to Issue

Copies furnished to (Cont'd.)

Mr. William Congdon  
Mr. Clarence Suggs  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Whatley  
Mr. Nolan Green  
Mr. Darrell Sperry  
Mr. Will E. Furlong, P.E.  
Ms. Pamela Presnell Garvin  
Ms. Ellen Long  
Ms. Sylvia Thibault  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. Maurice T. Samples  
Mr. Ronnie E. Hall  
Mr. J. R. Jacobs  
Ms. Jeanette Bullock

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF INTENT TO ISSUE PERMIT

The Department of Environmental Regulation gives notice of its intent to issue a Minor Modification of Permit Number SC16-184444 to increase the allowable solid waste receipt rate to 2,600 tons per day (monthly average) with peak individual days to 3,000 tons per day at the Trail Ridge Landfill in Duval County. The applicant, Trail Ridge Landfill, Inc., applied to the Department of Environmental Regulation for a Modification on January 15, 1992. The project site is approximately 1288± acres in size and is located approximately one mile north of Maxville on the west side of U.S. Highway 301.

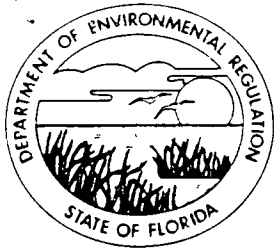
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner; (b) the Department's identification number, and the county in which the subject matter or activity is located; (c) A statement of how and when each petitioner received notice of the Department's action or proposed action; (d) A statement of how each petitioner's

substantial interests are affected by the Department's action or proposed action; (e) A statement of the material facts disputed by petitioner, if any; (f) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (g) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (h) 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 14 days of publication 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, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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 Department of Environmental Regulation, Northeast District Office, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7577.





# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

TO: Jerry Owen 

FROM: Ernie Frey   
Director of District Management

DATE: February 26, 1992

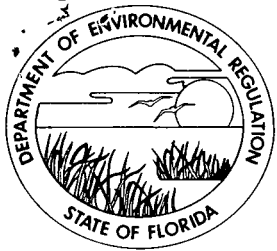
SUBJECT: Delegation of Authority

During my absence on February 27-28, 1992, you are authorized to sign all documents excluding NOVs, COs and court stipulated settlements.

A copy of this memo will be filed with each document that you sign.

EEF:hd

*Old version before going to DCA  
for revision*



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

**PERMITTEE:**

Trail Ridge Landfill, Inc.  
Post Office Box 6987  
Jacksonville, Florida 32236

I.D. Number: GMS3116P03090  
Permit/Cert Number: SC16-184444  
Date of Issue: 12-13-91  
Expiration Date: 12-13-96  
County: Duval  
Lat/Long: 30°14'00"N/82°02'30"W  
Section/Township/Range: 18, 19, 20, 21/3S/23E  
Project: Trail Ridge "Plan A" Landfill

This permit is issued under the provisions of Chapters 373 and 403, Florida Statutes and Florida Administrative Code Chapters 17-3, 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 and operate the Trail Ridge "Plan A" Landfill, with a total site area of 1288± acres of which 148± acres will be used for disposal of Class I wastes and 28 acres will be used for disposal of Class III wastes. The leachate containment system is a double liner system as spelled out in Florida Administrative Code Rule 17-701.050(5)(d)1.b., with the addition of 0.25 inches of Claymax below the bottom liner. The primary and secondary leachate collection systems will consist of synthetic geodrains and a two (2)-foot protective soil layer will lie above the primary drain.

The facility design includes wetland mitigation and a surface water management system. A groundwater monitoring system is also included.

The Trail Ridge Landfill entrance is located on the west side of U.S. Highway 301 approximately one mile north of Maxville in Duval County.

This permit is issued in accordance with the application received July 27, 1990 and additional information provided on September 12 and October 10 and 11, 1990, and includes Department File Nos. 184444, 184445, and 184447.



PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

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 enforcement action for any violation of the "Permit Conditions" by the Permittee, its agents, 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 an 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 purpose of:

PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

GENERAL CONDITIONS:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
10. The Permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the Permittee does not waive any other rights granted by Florida Statutes or department rules.
11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

**GENERAL CONDITIONS:**

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- (X) 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 measurements;
  - 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 period of 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.

**SPECIFIC CONDITIONS:**

1. Construction of the Trail Ridge "Plan A" Landfill shall be in conformance with plans, specifications, and contract drawings submitted in support of the application received July 27, 1990 and the additional information provided on September 12 and October 10 and 11, 1990. Permittee shall submit, in writing, to the Department of Environmental Regulation, Northeast District, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7577, notification of the date that construction activities authorized by this permit commence.



PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

SPECIFIC CONDITIONS (CONT'D):

2. The Permittee shall submit to the Department for approval a revised Quality Control/Quality Assurance Plan for installing the Class I area synthetic liner system, after selection of the synthetic liner manufacturer, and prior to its installation. The plan shall include the following:
  - a. Retention of a registered professional engineer for independent quality assurance.
  - b. Minimum qualifications of the Construction Quality Assurance engineer and supporting Quality Assurance personnel.
  - c. Sampling activities, size and locations, frequency of testing, acceptance and rejection criteria, and plans for implementing corrective measures that may be necessary.
  - d. Procedure for testing the density of the compacted clay subbase at least once per acre.
  - e. Procedures for testing the permeability of the Claymax at least once per 40,000 square feet.
  - f. The synthetic liner manufacturer's and installer's specific recommendations for acceptability of the soil portion ("subgrade" for the synthetic liner) and the Claymax portion of the liner system. The Permittee shall ensure that the installation contractor of the synthetic portion submits his certification of acceptance of the subgrade to the Department immediately upon its execution.
  - g. The synthetic liner manufacturer's specifications and recommendations for installing and testing the specific liner selected and demonstrating that it meets or exceeds NSF Standard 54. Quality Assurance Reports shall be submitted to the Department with the Certification of Completion. Installation of the synthetic liner for the leachate holding basin shall be performed in accordance with the Department approved Construction Quality Assurance Plan and shall meet the liner manufacturer's recommended installation procedures, pursuant to FAC Rule 17-701.050(4)(c).
3. The Permittee shall establish financial assurance for closure and long-term care. Proof that the financial assurance mechanism is funded in accordance with FAC Rule 17-701.076 shall be submitted to the Department sixty (60) days prior to the acceptance of any solid waste at the facility [17-701.076(2)]. All submittals in response to this specific condition shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.
4. The Permittee shall submit to the Department for review a detailed phasing plan for construction. Department approval of the phasing plan must be obtained prior to the start of construction.

PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

SPECIFIC CONDITIONS (CONT'D):

5. The Permittee shall submit to the Department for review a design modification for the Class I area to include 15-foot wide benches or terraces approximately every 20 vertical feet. Approval by the Department of an appropriate design modification must be obtained by the Permittee prior to the acceptance of waste at the facility.
6. The Permittee shall submit to the Department for review a design modification to the outlet control structures for each stormwater management area to provide an oil and grease skimmer. Approval by the Department of an appropriate design modification must be obtained by the Permittee prior to the acceptance of waste at the facility.
7. The Permittee shall submit to the Department for review a design modification to include an adequate berm system surrounding the leachate truck loading area to segregate potential leachate spills from the stormwater system. Approval by the Department of an appropriate design modification must be obtained by the Permittee prior to the acceptance of waste at the facility.
8. Surface water runoff and/or diversion controls included in the plans and/or this permit shall be installed and operational prior to construction of the disposal areas. Surface water runoff shall be controlled during the construction stage and shall comply with FAC Chapter 17-3 at the site boundary.
9. Turbidity barriers shall be installed at all locations where the possibility of transferring suspended solids into the receiving water body exists due to the proposed work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. The Permittee shall be responsible for the removal of the barriers.
10. Turbidity controls shall be utilized throughout the project to contain any turbidity generated that exceeds State water quality standards.
11. Turbidity monitoring shall be conducted during any activity authorized by this permit which dislodges, removes or otherwise disturbs the soils within 50 feet of waters of the State which maintain a base flow in response to groundwater or flow during storm events. Sampling shall be conducted within 50 feet, in the down-current direction, of the activity or a turbidity curtain surrounding the activity and in a nearby unaffected area (background). During the activity, samples shall be taken every 3 hours. If turbidity levels exceed 29 NTU's above the background level, then the activity shall be halted until authorization from the Department has been received. A complete monitoring report shall be submitted to the Department on a weekly basis which shall include sample time, turbidity level, background turbidity, distance between sample and source, and method of analyses. A negative report shall be submitted if no activities take place within 50 feet of waters of the State as described above.
12. Within 30 days after completion of construction of each phase of the surface water management system the Permittee shall submit a "Certification of Completion of Construction". At that time the Permittee shall notify the Department that the facility is ready for inspection and approval.

PERMITTEE:

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

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13. The Department must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a permitted system or facility or within 30 days of any transfer of ownership or control of the real property at which the permitted system or facility is located. The Permittee shall, at that time, provide the Department with two copies of any agreement between the Permittee and property owner which may affect the facility.
14. If any other regulatory agency should require revisions or modifications to the permitted project, the Department is to be notified of the revisions so that a determination can be made whether a permit modification is required.
15. The Permittee is responsible for the selection, implementation, and operation of all erosion and sediment controls on-site and to prevent violations of water quality standards in Chapters 17-3 and 17-4, F.A.C. The Permittee is encouraged to use the appropriate Best Management Practices described in the Florida Land Development Manual: A Guide to Sound Land and Water Management (DER, 1988).
16. The operation phase of the stormwater management system shall not become effective until the following criteria have been met:
  - (a) Within thirty (30) days after completion of construction, permittee shall submit a signed and sealed certification by an appropriate registered professional that the appropriate phase of the system has been constructed and is ready for inspection.
  - (b) The registered professional shall certify that the appropriate phase of the system has been constructed in accordance with approved plans and specifications; any deviations from the plans must be submitted for prior approval to the Department.
  - (c) Record drawings will be furnished and revised to reflect any changes made during construction and signed and sealed by a Professional Engineer. The following information, at a minimum shall be verified on the record drawings:
    1. Dimensions and elevations of all discharge structures.
    2. Locations, dimensions, and elevation of all underdrain systems including cleanouts, connections to control structures, and points of discharge to receiving waters.
    3. Dimensions, elevations, contours or cross sections of all treatment storage areas.
    4. Dimensions, elevations, contours, final grades to determine flow direction and runoff.

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17. The following operational maintenance activities shall be performed on all permitted systems on a regular basis or as needed:

- (a) Removal of trash and debris.
- (b) Inspection of inlets and outlets.
- (c) Removal of sediments when the storage volume or conveyance capacity of the system is below design level.
- (d) Stabilization and restoration of eroded areas.
- (e) Mowing and removal of grass clippings.
- (f) Aeration, tilling or replacement of topsoil as needed to restore percolation capability of the system.
- (g) Replanting if vegetative cover in littoral zones falls below 80% coverage.

The stormwater management system shall be inspected after each heavy rain, but at a minimum once per quarter.

18. The permittee is required to provide for periodic inspections of the stormwater management system. The permittee shall submit reports to the Department certifying that the stormwater management system is operating as designed. The reports shall be submitted to the Department as follows:

- (a) Inspection reports for retention, underdrain, wet detention, and swales shall be submitted one year after completion of construction and annually thereafter.
- (b) Inspection reports for filtration treatment systems and pumped systems shall be submitted one year after completion of construction and annually thereafter. A registered professional must sign and seal the report certifying the filtration treatment system and/or pumped system is operating as designed.

19. If the stormwater management system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design standards, the permittee must either replace the system or construct an alternative design. If the Department determines that the original design is deficient, the Permittee must submit a permit modification application within sixty (60) days of the date the system was determined to be design deficient.

20. Following completion of all significant construction activities, the Permittee or authorized representative shall complete and submit to the Department, DER Form 17-7.130(2), entitled "Certification of Construction Completion Application to Operate only Resource Recovery and Management Facility." The Permittee shall

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submit to the Department, Record Drawings signed and sealed by a professional engineer registered in the State of Florida, and a Quality Assurance Report on liner installation prepared, signed, and sealed by a professional engineer registered in the State of Florida. The Permittee shall specify where leachate will be treated and/or disposed of; and the Permittee shall submit to the Department for approval, a letter of acceptance from the wastewater treatment plant which will provide treatment and/or disposal. At such time the Permittee shall arrange for Department representatives to inspect the facility in the company of the Permittee, engineer, and on-site operator, as required by FAC Rule 17-701.030(6). The facility shall not be operated or accept solid waste until the Department has notified the Permittee in writing that all applicable submissions required for the permit, including financial responsibility documentation have been received and found acceptable.

21. The facility shall not be operated or accept solid waste until the Department has notified the Permittee, in writing, that the applicable certification, attesting that the surface water management system has been constructed in accordance with the permitted design, has been received and approved.
22. Following notification that the Department has found the submittals acceptable, the Permittee shall operate the facility in conformance with the criteria contained in FAC Rule 17-701.050 and the operation plan submitted with the permit application.
23. Daily records of waste quantities and types received shall be kept at the site. These records shall be summarized and a monthly waste quantity report shall be submitted to the Department by the fifteenth (15th) day of the following month.
24. The Class I area shall accept a maximum daily average of 1800 tons/day for disposal, calculated as a six-day week daily average, Monday through Saturday. The Class III area shall accept a maximum daily average of 250 tons/day for disposal, calculated as a six-day week daily average, Monday through Saturday.
25. Hazardous waste as defined in FAC Chapter 17-730, or biohazardous wastes as defined in FAC Rule 17-712.100(2) shall be prohibited from disposal. The Department shall be notified immediately in the event such wastes are discovered. If such wastes are discovered, the Permittee shall implement the waste control procedures as contained in the operations plan.
26. Laws of Florida, Chapter 88-130, Section 15, prohibits the disposal of whole tires, lead acid batteries, and white goods in solid waste landfills.
27. All construction and demolition debris must be disposed of in segregated areas according to FAC Rule 17-701.061(2).
28. An effective barrier to prevent unauthorized entry shall be installed and maintained in accordance with the plans in the permit application. Unauthorized scavenging or salvaging shall be prohibited. A screening barrier (i.e., trees or other vegetation) shall be installed and maintained to shield landfill operations from public view in accordance with FAC Rule 17-701.040(2)(h).

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29. Objectionable odors originating from the site shall be effectively controlled. A gas venting system shall be installed in accordance with the plans and specifications in the permit application. Should objectionable odors or gas migration become a problem, the passive gas venting system shall be converted to an active system with a flare or other means to destroy the landfill decomposition gas(es).
30. Litter control devices shall be installed as necessary to prevent litter from leaving the disposal areas.
31. Any interruption of regular landfill activities (fire, natural disasters, equipment breakdown) shall be immediately reported to the Department by phone. In the event of equipment breakdown, reserve equipment capable of performing basic disposal operations shall be made available at the site within 24 hours, excluding holidays or other days when the landfill is closed.
32. No landfill side slope, including temporary internal side slopes, shall be steeper than 3-to-1 (horizontal to vertical).
33. All exterior landfill side slopes shall have an initial cover of eighteen inches.
34. The proposed practice of punching holes into the intermediate cover layer on top of each cell of solid waste within the Class I area is prohibited.
35. The initial placement of select waste in the Class I area will be done under the supervision of a quality assurance engineer.
36. The final cap and cover system including permanent vegetation shall be placed over the entire surface of each completed solid waste disposal exterior side slope unit within 180 days after final waste placement. An exterior side slope unit is that area between the toe of the slope and intermediate benches or between two intermediate benches in which final waste deposition has occurred.
37. A trained supervisor or foreman shall be responsible for maintaining the site in an orderly, safe, and sanitary manner in accordance with FAC Rules 17-703.300 and 17-703.400. This includes maintenance of the leachate collection system by water jet cleaning. Sufficient personnel shall be employed as noted in the operations plan to adequately operate the facility.
38. All-weather access roads to the site and disposal areas shall be maintained. Dust control methods (i.e. water sprays) shall be employed as necessary.
39. Quantitative records of leachate collected and sent off-site for treatment shall be kept and made available to the Department upon request. Disposal of leachate shall be in accordance with all applicable regulations and shall include the running of a TCLP analysis prior to disposal to determine if it is hazardous. Within six months of placing waste in the lined facility or when sufficient leachate has been generated, a detailed chemical characterization of a representative sample of the

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leachate shall be performed pursuant to FAC Rule 17-28.700(6)(a)2. This characterization shall include those parameters listed for initial sampling of the ground water monitoring wells. Routine sampling and analysis of leachate shall be established and incorporated by permit modification following review of the initial leachate characterization.

40. In Accordance with FAC Rules 17-28.700(6) and 17-701.050, the Permittee shall within ninety (90) days of the issuance of this permit install and place into operation a Department approved Ground Water Monitoring system.

- a. The Ground Water Monitoring System shall be designed and constructed in accordance with plans submitted to and approved by the Department, subject to Department modifications.
- b. Approximate monitoring well locations and designations shall be in accordance with Attachment 1. A surveyed drawing shall be submitted showing the location of all monitoring wells (active and abandoned) which will be horizontally located by metes and bounds or equivalent surveying techniques. The surveyed drawing shall include the monitor well identification number as well as location and elevation of all permanent benchmark(s) and/or corner monument marker(s) at the site. The survey shall be conducted by a Florida Registered Surveyor. All wells are to be clearly labeled and easily visible at all times.

Shallow surficial monitoring wells shall be constructed such that a portion of the screened interval shall extend into the vadose zone during all portions of the year and the screened interval shall be of sufficient length that a minimum of approximately five feet of screen shall extend into the water column throughout the year.

The Permittee shall install a deep surficial background monitoring well (B-31) on the center of the western boundary of the waste management area. The well shall be designed to monitor the base of the surficial aquifer and be constructed such that the screened interval shall exist at the bottom of the aquifer and shall extend to the base of the aquifer.

The Permittee shall install groundwater monitoring wells: B-2 S,I B-33 S,I B-31 D B-7 S,I,D B-11 S,I B-12 S,I,D B-13 S,I B-14 S,I,D B-16S B-17 S,I,D B-18 S B-19 S,I,D B-25 S,I,D B-26 S B-27 S,I,D B-28 S B-29 S B-30 S; one hundred and twenty (120) days prior to the acceptance of waste at the facility.

The Permittee shall install intermediate and deep piezometers P-17 I,D and P-29 I,D during the installation of the initial monitoring wells. Following installation of the monitoring wells and piezometers, weekly groundwater elevation data will be obtained from each well. This data shall be analyzed and groundwater surface maps constructed for the shallow surficial, intermediate surficial and deep surficial portions of the monitored aquifer. Data and maps shall be submitted monthly to the Department. Following review

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of three months of data collection and analysis, the Permittee shall submit to the Department proposed locations and completion intervals for additional monitoring wells, as needed, on the north and south boundaries of the waste management area and for additional existing wells to be sampled for compliance during Phase I of landfill operations. Initial sampling of Background groundwater monitoring wells and Phase I compliance wells shall be sampled within ninety (90) days of the issuance of this permit. Approval of proposed additional wells to be utilized as part of the groundwater monitoring plan during Phase I of the facility's operation will be obtained from the Department, all additional wells required to be constructed, initial sampling conducted, samples analyzed, and results submitted to the Department thirty (30) days prior to the acceptance of waste by the facility.

Weekly groundwater elevation data shall be collected from all wells for a period of nine additional months. The data will be compiled, analyzed, and groundwater surface maps constructed, this data shall be submitted to the Department on a quarterly basis. Following analysis of the nine months of data, the Permittee shall propose additional monitoring wells, as needed, for the intermediate and/or deep intervals along the north and south boundaries of the waste management area.

The Permittee shall construct and utilize the groundwater monitoring wells for each phase of the facility's operation in accordance with the schedule below, subject to modification by the Department based on the groundwater flow direction information presented by the Permittee prior to the acceptance of waste.

Class I Landfill

Background Well Clusters:

B-2 S,I      Locations as indicated on  
B-3, S,I      Drawing No. 9 and submittals.

Compliance Well Clusters:

Phase I

B-7 S,I,D   B-11 S,I   B-12 S,I,D,   B-14 S,I,D  
B-18 S   B-19 S,I,D   B-20 S   B-21 S  
B-22SB-25 S,I,D   B-27 S,I,D

Phase II

B-16 S   B-17 S,I,D

Phase III

B-13 S,I   B-23 S

Phase IV

as above

Phase V

B-24 S   B-26 S   B-28 S   B-29 S,I,D   B-30 S

Class III Landfill

Background Well Cluster:

B-9 S,I

Compliance Well Clusters:

B-8 S,I,D   B-10 S,I   B-15 S,I



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Additional wells as required by the Department will be installed and/or sampled, based on sampling results and groundwater measurements.

- c. Upon completion of construction of the groundwater monitoring wells, the following information shall be submitted for all groundwater monitoring wells (permanent and temporary) and any new well(s) constructed:

Well identification	Driller's Lithologic Log
Latitude/Longitude	Total well depth
Aquifer monitored	Casing diameter
Screen type and slot size	Casing type and length
Elevation at top of pipe	SJRWMD well construction
Elevation at land surface	permit number

- d. In the event any monitoring well becomes damaged or inoperable, the Permittee shall notify the Department within seventy-two (72) hours 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 a recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation.
- e. The zone of discharge shall extend horizontally to the property line or one-hundred (100) feet beyond the waste management area, whichever is less, and vertically to the base of the surficial aquifer, in accordance with F.A.C. Rule 17-28.700(2). This zone of discharge shall remain in effect unless it becomes necessary to seek a change, pursuant to F.A.C. Rule 17-28.700(5). All groundwater monitoring wells shall be used to determine compliance with state and groundwater standards and criteria and shall exist outside the zone of discharge.
- f. The Permittee shall ensure that the water quality standards for Class G-II ground waters will not be exceeded at the boundary of the zone of discharge according to F.A.C. Rules 17-3.402 and 17-3.404.
- g. The Permittee shall ensure that the minimum criteria for ground water specified in F.A.C. Rule 17-3.402 shall not be violated within the zone of discharge.
- h. Ground water levels shall be recorded no less than forty-eight (48) hours after well installation and prior to evacuating the well for sample collection. Measurements, referenced to N.G.V.D., shall include ground water surface elevation, the top of well casing, and land surface at each site at a precision of plus or minus 0.01 feet. This information shall be submitted to the Department with the quarterly ground water analytical results. A map must be constructed depicting locations of wells and piezometers and corresponding water level measurements.

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- i. Upon completion of construction of the ground water monitoring wells, the Permittee shall initially sample and analyze all monitoring wells for the parameters listed in Attachment 2 and all E.P.A. Priority Pollutant Parameters. Tentative identification of all peaks greater than 10 ppb is required.
- j. All sample collection and water quality analysis shall be performed by organizations with approved comprehensive or Generic Quality Assurance Plans (CompQAPs) on file with the Department. The CompQAP shall address all sampling and analysis requirements of this permit. Within 60 days of permit issuance, the Permittee shall submit to the Department for approval the name of the sample collecting organization and laboratory to be utilized. The Department reserves the right to reject all results generated by the Permittee prior to CompQAP approval, or which are not in accordance with the Department approved CompQAP. Sampling and analytical work is also subject to the provisions of FAC Rule 17-28.700(6)(d). In addition, the Permittee shall be in compliance with the provisions of FAC Rule 17-160 within 90 days of the effective date of that rule.
- k. Ground water sampling results shall be reported on the attached Parameter Monitoring Report Form [DER Form 17-1.216(2)] (Attachment 5). In order to facilitate entry of this data into the state computer system, these forms or an exact replica must be used and must not be altered as to content. The original forms should be retained so that the necessary information is available to properly complete future reports. The report forms received from the laboratory must be submitted along with the DER Parameter Monitoring Report Forms described above. The Permittee shall submit to the Department the results of the ground water monitoring well water quality analysis no later than the fifteenth (15th) day of the month immediately following the end of the sampling period. Quarterly analytical results shall be accompanied by a brief narrative summary. The results shall be sent to the Department of Environmental Regulation, Northeast District, 7825 Baymeadows Way, Suite 200-B, Jacksonville, Florida, 32256-7577.

In addition to the information provided on the Parameter Monitoring Report Form, the following shall be generated:

1. The laboratory report shall indicate the analytical method, the detection limit and the dilution factor used on each data sheet.
2. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Groundwater Standards and/or criteria.
3. All peaks greater than the EPA specified detection limit for the analytical method shall be identified.

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The Permittee shall submit to the Department a minimum of two complete reports and, upon request by the Department, four additional reports.

The Permittee shall prepare and submit to the Department groundwater surface contour maps, prepared from data collected from all permitted wells on site, for the initial sampling event and each quarterly sampling event. A shallow surficial map, utilizing data from the shallow wells; an intermediate surficial map, utilizing the data from the intermediate wells; and a deep surficial map, utilizing data from the deep wells will be prepared and submitted to the Department, with the groundwater elevation data. This information shall be submitted in conjunction with the initial and quarterly analytical data.

1. All ground water monitoring wells shall be sampled and analyzed quarterly for the parameters listed in Attachment 2. However, additional samples, wells, and parameters may be required based upon subsequent analyses.

Quarterly groundwater samples in the first year of the permit will be collected from all wells prior to 180 days, 270 days, and 360 days, respectively. A report of the laboratory data will be submitted to the Department for each quarter no later than 195 days, 285 days, and 375 days, respectively.

Quarterly groundwater samples in the following years of the permit will be collected prior to 90 days, 180 days, 270 days, and 360 days, respectively, of the annual date of the permit. A report of the laboratory data will be submitted to the Department for each quarter no later than 105 days, 195 days, 285 days, and 375 days, respectively.

- m. If, at any time, ground water standards and/or criteria are exceeded, 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 ground water conditions at the facility.
- n. Following two (2) years of quarterly sampling, data will be reviewed by the Department to evaluate changes in parameters and sampling frequencies that may be appropriate.
- o. Sixty (60) days prior to the renewal of this permit, the Permittee shall sample and analyze all monitoring wells for the parameters listed on Attachment 1.
- p. Compliance with ground water standards and/or criteria shall be determined by analysis of unfiltered or settled ground water samples.
- q. Within sixty (60) days of issuance of this permit, all piezometers and wells not a part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with F.A.C. Rule 17-21.10(4) and St. Johns River Water Management District Rule 40C3.531. The Permittee shall submit a written report to the Department providing verification of the well plugging and abandonment. A written request for exemption to the plugging and abandonment of a well must be submitted to the Department for approval.

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- r. F.A.C. Rule 17-28.700(6)(d)11 requires that the ground water monitoring program must inventory and map surface waters within one mile of the landfill. If there are any modifications to surface waters within one mile of the landfill, the Permittee shall upon request submit to the Department a revised inventory and map of surface waters within ninety (90) days.
- s. F.A.C. Rule 17-28.700(6)(d)7 requires an inventory of all wells within a one (1) mile radius of the landfill, including the owners' names and addresses, well locations, well specifications (well depth, diameter, screened interval, capacity, etc.) and utilization. If there are any changes to the well inventory, the Permittee shall upon request of the Department revise the well inventory and shall submit the revised inventory to the Department within ninety (90) days.

41. In accordance with F.A.C. Rule 17-28.700(6)(d)11, surface water monitoring is required on a quarterly basis in conjunction with the ground water monitoring schedule. The following Surface Water Monitoring Program shall be implemented within ninety (90) days of the issuance of this permit.

- a. The Surface Water Monitoring System shall be designed and operated in accordance with plans submitted to and approved by the Department.
- b. The surface water monitoring sites shall be located as follows:

<u>Site Number</u>	<u>Location</u>
SW-1	
SW-2	As indicated on Drawing No. 9
SW-3	

- c. All surface water sampling sites shall be sampled and analyzed quarterly for the parameters listed in Attachment 4. However, additional sampling sites and parameters may be required based upon subsequent analyses. Following two (2) years of quarterly sampling, data will be reviewed by the Department to evaluate changes in parameters and sampling frequencies that may be appropriate.

In addition to the information provided on the Parameter Monitoring Report Form, the following shall be generated:

1. The laboratory report shall indicate the analytical method, the detection limit and the dilution factor used on each data sheet.
2. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Groundwater Standards and/or criteria.
3. All peaks greater than the EPA specified detection limit for the analytical method shall be identified.

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The Permittee shall submit to the Department a minimum of two complete reports and, upon request by the Department, four additional reports.

42. Closure of the landfill is subject to the provisions of FAC Rules 17-701.070 through 17-701.076. Pursuant to FAC Rule 17-701.072, at least ninety (90) days prior to the date when wastes will no longer be accepted, the Permittee shall submit a closure permit application to the Department for review and approval. The application shall include a closure plan which meets the requirements of FAC Rule 17-701.073.
43. A copy of the Department approved engineering drawings, plans, reports, operational plan, and supporting information shall be kept at this landfill at all times for reference and inspections.
44. The Permittee shall immediately notify the Department by telephone whenever a serious problem occurs at this facility. During regular business hours notification shall be made to the Northeast District Office at (904)448-4300. If an emergency occurs outside regular business hours, the Permittee shall telephone the 24-hour emergency phone number (904)488-1320. This number is for emergencies only. Within 7 days of telephone notification, the Permittee shall submit to the Department a written report explaining the extent of the problem, its cause, and what actions have been or will be taken to correct the problem.
45. The Department shall be notified and prior approval shall be obtained for any changes or revisions made during construction.
46. Receipt of this permit from the Department does not relieve the applicant from obtaining other federal, state, and local permits required by law.
47. A survey of the waste disposal area shall be conducted at the end of each year from the date of permit issuance until it is within ten (10) feet of design height after which it shall be conducted quarterly. This information is to be submitted to the Department within 30 days and shall include the maximum elevation at the design high point, all points designed for terraces, and the location of the toe of the slope.
48. The mitigation plan, "Trail Ridge Landfill Wetland Impacts and Mitigation Plan," submitted on June 18, 1990, shall be appended as a Specific Condition of this permit. Any specific condition requirements listed herein, shall supersede or modify any requirements contained in the appended mitigation plans.
49. Prior to initiating any construction, Permittee must record a conservation easement on the real property pursuant to Section 704.06, F.S., prohibiting all construction including clearing, dredging or filling, except that which is authorized by this permit within the conservation creation/preservation areas as delineated on plans dated as received by the Department on June 18, 1990. The easement must contain provisions as set forth in subsections 1(a)-(b) of Section 704.06, F.S., as well as provisions indicating that they may be enforced by the Department and may not be

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amended without Department approval. Within 30 days of the date of issuance of this permit and prior to recording, said easement must be submitted to the Department for review and approval. Within 30 days of receipt of Department approval, Permittee must provide to the Department a certified copy of the recorded easement showing the date they were recorded and the official records book and page number.

50. In order to evaluate the effects of the discharging of water from the stormwater management systems by pumping into the adjacent wetlands, the permittee shall establish a monitoring plan which shall include the following:

I. For the Class I Stormwater Management System:

(a) A Base Line Data Study shall be conducted which shall include the following:

- (1) A detailed scaled plan site drawing shall be submitted to the Departments Northeast District Office which contains the location of all wetland stormwater discharge structures to include details of the structures. The jurisdictional delineation line shall be depicted on the drawings.
- (2) A series of line transects shall be established, divided into appropriate intervals, and vegetation shall be determined by the appropriate methodology which shall be approved, in writing, by the Department. The transect vegetational data shall be compiled in a report format and submitted to the Northeast District of the Department.
- (3) The transects shall be established at appropriate intervals along the areas of discharge and extend into the wetland areas to the lowest elevation along each transect line. All transect lines shall be approved by the Department prior to data collection for the Base Line Study. All transects shall be clearly indicated on the site plan drawing required in (1) above.
- (4) The transect lines shall be permanently marked and utilized for all wetland stormwater discharge monitoring requirements established in this permit.
- (5) Photographs along each established transect line shall be submitted as part of the Base Line Data Study. These photographs shall be labeled so as to graphically depict each interval along each transect line.
- (6) At the wetland/upland boundary and at the mid-elevation of each transect as required in (2) above, a piezometer shall be installed to determine ground water elevations in the wetland discharge areas. A reference piezometer shall be established at the same elevation as the mid-elevation piezometer for each transect at a point extended along

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each transect so as to be at the greatest distance from the stormwater pond. These ground water elevations shall be recorded as part of each transect evaluation the location of each piezometer shall be clearly indicated for each transect as required in (1) above on the scaled site plan for each monitoring report.

- (7) The complete Base Line Study shall be submitted to the Northeast District Office prior to the commencement of the construction of the stormwater pond.
- (b) The wetland areas of discharge shall be monitored at 1 year intervals commencing one year from the start date of the construction of the stormwater pond until the expiration date of this permit. These monitoring reports shall utilize the transect established in the Base Line Study and shall include all the information required in the Base Line Study. These monitoring reports shall be submitted no later than two (2) weeks after each monitoring event. The monitoring requirements shall be reviewed and/or revised by the Department at the time of renewal of this permit.
- (c) The permittee shall notify the Northeast District Office of the Department, in writing, of the start date of the stormwater pond and the date of the first wetland stormwater discharge within seven (7) days of the event.
- (d) In the event of any quantified vegetational species compositional changes along any interval of any transect during any monitoring event, the permittee shall include any such changes in that periods monitoring report and include any proposed changes in the discharge schedule to mitigate these changes. The Department shall review the proposed changes and the permittee shall take what remedial actions deemed necessary by the Department.
- (e) The permittee shall take all appropriate measures to insure that the wetland stormwater discharge system does not cause erosion into any wetland area during construction and operation.
- (f) The wetland stormwater discharge system shall be completed and operational prior to excepting any waste in the Phase I, Class I Landfill.

II. For the Class III Stormwater Management System:

- (a) All provisions of paragraphs (a), (b), (c), (d), and (e), shall apply to the Class III Storm Water Management System Wetland Discharge System.
- (b) The wetland discharge system shall be completed and operational no later than 180 days from the commencement of the excavation of the Class III Stormwater Management Pond.

PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

Expiration Date: 12-13-96

SPECIFIC CONDITIONS (CONT'D):

(c) The permittee shall notify the Northeast District Office of the Department, in writing, of the "start date" of the excavation of the Class III Stormwater Management Pond within 7 days of the commencement of the activity.

51. The initial planting of the mitigation areas, per appended mitigation plan Section 4(b)(4), shall be completed no later than one year after commencement of the construction activities authorized by this permit.
  52. The Permittee shall submit an as-built survey of the wetland creation areas showing dimensions, grades, ground elevations, and water surface elevations certified by a registered surveyor or professional engineer. The as-builts must be submitted within thirty (30) days of the initial planting.
  53. The Permittee shall furnish the Department with monitoring reports on the wetland creation areas describing:
    - a. Percent survival and diversity of planted species within each stratum;
    - b. Recruitment density and composition within each stratum;
    - c. Recorded growth via established parameters for planted trees and shrubs;
    - d. Percent cover of herbaceous species;
    - e. Surface water elevations referenced to N.G.V.D., or if surface water is not present, groundwater elevation referenced to N.G.V.D.
- The first monitoring year shall start as of the planting date and data shall be collected and submitted in accordance with Specific Condition No. 4. Reports to the Department must also include photographs, descriptions of problems encountered, and solutions undertaken.
54. Within the wetland creation areas, non-native vegetation and nuisance vegetation such as Typha spp. shall be controlled by hand clearing or other methods approved by the Department so that they constitute no more than 10% of the areal cover at any monitoring period.
  55. Successful establishment of wetland creation shall occur when:
    - a. on an annual basis at least 80% of the planted individuals in each stratum have survived and are showing signs of normal annual growth, based on standard growth parameters such as height and base diameter, or canopy circumference; and
    - b. the above criteria has been achieved and maintained for a three (3)-year period following initial planting
  56. In the event that the success criteria as stated in Specific Condition No. 33 are not achieved by the expiration date of this permit, Permittee shall enter into a long-term agreement with the Department so as to ensure the success of the mitigation plan.



PERMITTEE:

Trail Ridge Landfill, Inc.

I.D. Number: GMS3116P03090

Permit/Cert Number: SC16-184444

Date of Issue: 12-13-91

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SPECIFIC CONDITIONS (CONT'D):

- 57. All wetland areas or water bodies which are outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity or dewatering.
- 58. All disturbed areas adjacent to the mitigation area must be sodded or seeded and mulched within 10 days following their completion and a substantial vegetaion cover must be established within 60 days of sodding or seeding.
- 59. The Permittee shall submit to the Department within sixty (60) days prior to acceptance of wastes, two copies of the final version of the Department approved Operations Plan, including a leachate spillage control plan.
- 60. Pursuant to FAC Rule 17-4.090, prior to sixty (60) days before the expiration of this permit, the Permittee shall apply for a renewal of the permit on forms and in a manner prescribed by the Department.

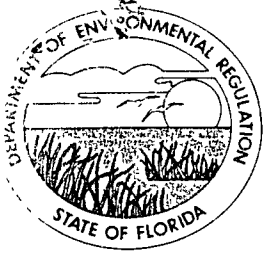
Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

Ernest E. Frey, P.E.  
Director of District Management

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52, Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

*Margaret Lockamy*  
Clerk Date



# Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

August 31, 1992

CERTIFIED - RETURN RECEIPT

✓ Mr. Tom Nelson  
President and General Manager  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Nelson:

Trail Ridge Landfill  
Minor Modification  
Permit No. SC16-184444  
DER File No. 218089  
Duval County - Solid Waste

The Department has reviewed your request, received on August 21, 1992, for a minor modification of the referenced permit. The requested modification is to replace the first sentence of Specific Condition No. 3 of the subject permit with the following:

"The Owner and/or Operator shall establish financial assurance for closure and long-term care."

The Department approves this request; the submitted request and this letter must be attached to the permit, as these become part of the permit.

If you have any questions about this matter, please contact Mary C. Nogas of the Solid Waste Section, at the letterhead address or telephone number (904)448-4320.

Sincerely,

Ernest E. Frey, P. E.  
Director of District Management

MN  
EEF: mnl MF

cc: ✓ Douglas C. Miller, P. E.  
✓ Honorable Ed Austin  
✓ Honorable Sherry Walker

Administration 448-4300  
Air 448-4310  
Waste Management 448-4320



Water Facilities 448-4330  
Water Management 448-4340  
FAX 448-4366

Mr. Tom Nelson  
Trail Ridge Landfill Minor Modification  
August 31, 1992  
Page two

Copies furnished to (Cont'd.)

Honorable George Crady  
Honorable Steve Kennedy  
Honorable Marvin E. Godbold, Jr.  
Honorable Warren Jones  
Mr. William Congdon  
Mr. Clarence Suggs  
Mr. J. Alan Cox  
Mr. & Mrs. Fred Munson, Sr.  
Ms. Karen Peterson  
Ms. Janice Langenfeld  
Mr. Nolan Green  
Mr. Darrell Sperry  
Mr. Will E. Furlong, P.E.  
Ms. Pamela Presnell Garvin  
Ms. Ellen Long  
Ms. Sylvia Thibault  
Mr. Lambert L. Herring  
Mr. John G. Herring  
Mr. Ronnie E. Hall  
Mr. J. R. Jacobs  
Ms. Jeanette Bullock