



56649

**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

December 9, 1999

Mr. Wayne Tutt  
Regulatory and Environmental Services Department  
Air and Water Quality Division  
117 West Duval Street, Suite 225  
Jacksonville, Florida 32202

Subject: Trail Ridge Landfill, Inc.  
Final Permit No.: 031-0358-002AV

33628

Dear Mr. Tutt:

Based on our telephone conversation on December 8, 1999, it is my understanding that the submittal of the Statement of Compliance Report, as required by the Title V General Condition No. 52 of our RESD permit, will be due on March 1, 2000 for the calendar year of 1999, and not on the annual effective date. The effective date of the permit is December 16, 1998.

Please contact me immediately if this not your understanding ,or if the due date of March 1, 2000 changes. Feel free to call me if you have any questions concerning this letter.

Sincerely,

Greg Mathes  
District Manager

GM:lh

cc: Mary Nogas, PE  
Chris Pearson  
Carolyn McCreedy

RECEIVED

DEC 15 1999

STATE OF FLORIDA  
DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT-JAX

# Memorandum

# Florida Department of Environmental Protection

**TO:** Mary Nogas, Northeast District Office

**THROUGH:** Jim Crane, Bureau of Waste Cleanup *JJC*

**FROM:** Michelle Allard, Bureau of Waste Cleanup *MA*

**DATE:** October 26, 1999

**SUBJECT:** 1999 Second Semi-Annual Groundwater, Surface Water and Leachate Monitoring Results for the Trail Ridge Landfill Site, Duval County

RECEIVED

NOV 02 1999

STATE OF FLORIDA  
DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT-JAX

As the cover letter implies, the following monitor wells had elevated iron concentrations above the standard of .3 mg/l; MWB-2S (.7 mg/l), MWB-3S (.8 mg/l), MWB-3I (.6 mg/l), MWB-7I (.6 mg/l), MWB-11S (.7 mg/l), MWB-11I (1.7 mg/l), MWB-12I (.4 mg/l), MWB-12D (.8 mg/l), MWB-13I (.5 mg/l), MWB-17D (.7 mg/l), MWB-19S (.7 mg/l), MWB-19I (.9 mg/l), MWB-19D (1.6 mg/l), MWB-20S (.8 mg/l), MWB-21S (.6 mg/l), MWB-27I (.5 mg/l), MWB-29I (.4 mg/l) and MWB-29D (1.5 mg/l).

Low pH values were reported for MWB-2S (4.46), MWB-2I (4.78), MWB-3S (4.75), MWB-3I (4.93), MWB-7S (4.78), MWB-7I (5.17), MWB-12S (5), MWB-12I (5.51), MWB-13S (5.01), MWB-13I (5.24), MWB-17S (4.91), MWB-17I (4.93), MWB-17D (5.82), MWB-19S (4.93), MWB-19I (5.17), MWB-20S (4.02), MWB-21S (4.17), MWB-22S (4.83), MWB-27S (5.33), MWB-27I (5.56) and MWB-27D (5.95). Wells with low pH values not listed on the cover letter include MWB-29S (4.61), MWB-29I (5.08) and MWB-29D (5.69). While the cover letter also included MWB-11I in the list of wells with low pH values, the data sheet in the report did not provide a numerical entry, instead "n/a" was entered. Surface water sample SW-2 had a pH of 5.41.

As further noted in the cover letter, MWB-11I had an elevated total lead concentration of .023 mg/l. This well also had a high turbidity level.

Other observations listed in the sampling data sheets include slight odor in wells MWB-2I, MWB-12I, MWB-19I, MWB-20S, MWB-17S, MWB-17I and MWB-13I. Strong odor was noted in wells MWB-7S, MWB-12S, MWB-19S, MWB-21S, MWB-27S, MWB-27I, MWB-29S and MWB-29I. The leachate samples had strong odors and sheens. The detection limits for the leachate samples were elevated. 2-Butanone was detected in LCS (190,000 ppb) and LDSS (4,600 ppb).

The Department's monitoring reporting form was included in Section 2 of the document.

Please contact me at Suncom 278-3935, if you have any questions regarding this review.

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



RECEIVED

OCT - 7 1999

**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

October 6, 1999

STATE OF FLORIDA  
DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT-JAX

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Permit No. 0013493-002-SC  
Waste Tire Processing Facility 3<sup>rd</sup> Quarter 1999 Report**

Dear Ms. Nogas:

In accordance with specific condition 32(e) of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the third calendar quarter of 1999.

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

Greg Mathes  
District Manager

GM:lh  
Enclosure

cc: Carolyn McCreedy



# Department of Environmental Protection

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

DEP Form # 62-711.900(4)
Form Title <u>Waste Tire Processing Facility Quarterly Report</u>
Effective Date <u>February 28, 1999</u>
DEP Application No. _____
(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: JULY 1 - SEPTEMBER 30, 1999 (First quarter begins on January 1 of any given year)

- Facility name: TRAIL RIDGE LANDFILL, INC.
- Facility mailing address: 5110 U.S. HIGHWAY 301 SOUTH  
City: BALDWIN County: DUVAL Zip: 32234-3608
- Facility permit number: 0013493-002-SC
- Facility telephone number: ( 904 ) 289-9100
- Authorized person preparing report: GREG MATHES
- Affiliation with facility: DISTRICT MANAGER
- Telephone number (if different from above): ( ) \_\_\_\_\_
- Activity: Report in tons.

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	330	108	300		98		40
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	330	108	300		98		40

- Explain all inventory adjustments. \_\_\_\_\_
- List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

GREGORY W. MATHES

Name of Authorized Agent

[Signature]

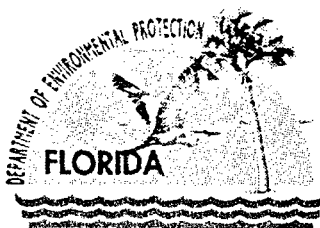
Signature of Authorized Agent

10/05/99

Date

Mail complete form to  
the appropriate district office

Page 1 of 1



Jeb Bush  
Governor

# Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road MS #4565  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

August 4, 1999

Mr. Richard Cohee  
City Treasurer  
City of Jacksonville  
Department of Finance  
117 W. Duval Street, Suite 300  
Jacksonville, FL 32202

RE: GMS 3116P02787 - Trail Ridge Landfill  
GMS 3116M10016 - North Duval Landfill  
GMS 3116M10002 - East Duval Landfill

Dear Mr. Cohee:

A file review of the above referenced facilities reveals no fiscal year end 1998 escrow account audit is submitted. Rule 62-701.630(5), Florida Administrative Code, requires submittal of an annual audit of the closure/long-term care escrow account. The audit shall be conducted by an independent certified public accountant and consist of reporting the escrow account balance and all deposits and withdrawals made. Within thirty (30) days receipt of this letter please submit the annual escrow account audit.

Remember, facilities using an escrow account to demonstrate financial assurance must provide an annual cost adjustment statement (estimate update) between July 1 and September 1 each year. This statement should be submitted to Mary Nogas at the Northeast District office for review and approval, with a copy to the financial coordinator at the letterhead address.

If you have any questions, please contact me at (850) 488-0300.

Sincerely,

Tor J.M. Bejnar  
Planner  
Solid Waste Section

TB

cc: Fred Wick  
Mary Nogas



# England-Thims & Miller, Inc.

ENGINEERS • PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS

July 20, 1999

RECEIVED

JUL 21 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT

**Principals**

James E. England, P.E., C.E.O.  
Douglas C. Miller, P.E., President  
N. Hugh Mathews, P.E., Exec., V.P.  
Joseph A. Tarver, Exec., V.P.  
Juanitta Bader Clem, P.E., V.P.  
Jeffrey A. Crammond, P.E., V.P.  
Scott A. Wild, P.E., P.S.M., V.P.

Ms. Julia Boesch  
Solid Waste Section  
Department of Environmental Protection  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Reference: Trail Ridge Landfill  
DEP Permit Number 0013493-002-SC (DEP File Number 0013493-003)  
ET&M No. E98-34

Dear Ms. Boesch:

Pursuant to our telephone conversation on July 20, 1999, it is our understanding that Trail Ridge Landfill is authorized to utilize waste tires that have been cut into sufficiently small parts, as initial cover on the landfill, in accordance with Rule 62-711.400(3)(a), F.A.C. This understanding is based upon the following:

1. Rule 62-711.400(3)(a), F.A.C. allows the use of shredded tires as initial cover.
2. Utilization of shredded tires as initial cover was included in the Operations Plan (page 40) in the Permit Documents, dated October 18, 1996, which are listed in Specific Condition 1 of the referenced permit as Document 4.
3. In the November 25, 1996 Request for Additional Information, the Department stated that "a specific condition shall be included in the permit that shall allow waste tires cut into sufficiently small parts to be utilized as initial cover. Sufficiently small parts 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."

If you do not agree with our understanding, we hereby request that you notify us immediately. Further, if you have any questions, please feel free to give me a call.

Sincerely,

ENGLAND, THIMS & MILLER, INC.

Juanitta Bader Clem, P.E.  
Vice President

cc: Greg Mathes  
Chris Pearson



W A S #  
16 / 000 33 628  
13493  
**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

July 5, 1999

RECEIVED

JUL 07 1999

ag  
Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Re: Trail Ridge Landfill  
Permit No. 0013493-002-SC  
Waste Tire Processing Facility Quarterly Report**

Dear Ms. Nogas:

In accordance with specific condition 32(e) of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the second calendar quarter of 1999.

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

Greg Mathes  
District Manager

GM:lh  
Enclosure

cc: Carolyn McCreedy



# Department of Environmental Protection

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

DEP Form # 62-711.900(4)
Form Title <u>Waste Tire Processing Facility Quarterly Report</u>
Effective Date <u>February 23, 1999</u>
DEP Application No. _____
(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: Apr. 1 - June 30, 1999 (First quarter begins on January 1 of any given year)

- Facility name: Trail Ridge Landfill, Inc.
- Facility mailing address: 5110 U.S. Highway 301 South  
City: Baldwin County: Duval Zip: 32234-3608
- Facility permit number: 0013493-002-SC
- Facility telephone number: ( 904 ) 289-9100
- Authorized person preparing report: Greg Mathes
- Affiliation with facility: District Manager
- Telephone number (if different from above): ( ) \_\_\_\_\_
- Activity: Report in tons.

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	251	79					330
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	251	79					330

- Explain all inventory adjustments. \_\_\_\_\_
- List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

Greg Mathes

Name of Authorized Agent

[Signature]  
Signature of Authorized Agent

7/5/99

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

ATTACHMENT 7





# England-Thimms & Miller, Inc.

ENGINEERS • PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS

**Principals**

James E. England, P.E., Pres.

Robert E. Thimms, Exec. V.P.

Douglas C. Miller, P.E., Exec. V.P.

N. Hugh Mathews, P.E., Exec. V.P.

## Fax Transmission

To: Julia Boesch Date: July 20, 1999  
From: Juanitta Bader Clem Pages: 3, including this cover sheet.  
Reference: Trail Ridge Landfill  
E.M. No.: E98-34

If you do not receive all pages or have difficulty reading this document, please contact Juanitta Clem at (904) 642-8990.

---

**Comments:**

Dear Julia:

Please see the attached letter per our telephone conversation. I appreciate your immediate attention to this matter.

If you have any questions, please give me a call.

Sincerely,

  
Juanitta

attachment

cc: Greg Mathes



# England-Thims & Miller, Inc.

ENGINEERS • PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS

July 20, 1999

Ms. Julia Boesch  
Solid Waste Section  
Department of Environmental Protection  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

#### Principals

James E. England, PE, CEO  
Douglas C. Miller, PE, President  
N. Hugh Mathews, PE, Exec. VP  
Joseph A. Tarver, Exec. VP  
Juanita Bader Clem, PE, VP  
Jeffrey A. Crammond, PE, VP  
Scott A. Wild, PE, P.S.M., VP

Reference: Trail Ridge Landfill  
DEP Permit Number 0013493-002-SC (DEP File Number 0013493-003)  
ET&M No. E98 34

Dear Ms. Boesch:

Pursuant to our telephone conversation on July 20, 1999, it is our understanding that Trail Ridge Landfill is authorized to utilize waste tires that have been cut into sufficiently small parts, as initial cover on the landfill, in accordance with Rule 62-711.400(3)(a), F.A.C. This understanding is based upon the following:

1. Rule 62-711.400(3)(a), F.A.C. allows the use of shredded tires as initial cover.
2. Utilization of shredded tires as initial cover was included in the Operations Plan (page 40) in the Permit Documents, dated October 18, 1996, which are listed in Specific Condition 1 of the referenced permit as Document 4.
3. In the November 25, 1996 Request for Additional Information, the Department stated that "a specific condition shall be included in the permit that shall allow waste tires cut into sufficiently small parts to be utilized as initial cover. Sufficiently small parts 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."

If you do not agree with our understanding, we hereby request that you notify us immediately. Further, if you have any questions, please feel free to give me a call.

Sincerely,

ENGLAND, THIMS & MILLER, INC.

Juanita Bader Clem, P.E.  
Vice President

cc: Greg Mathes  
Chris Pearson

**WASTE TIRE RULE****DEP 62-711.300-History****10/1998**

Specific Authority: 403.704, 403.717 FS.

Law Implemented: 403.707, 403.717 FS.

History: New 2-19-89, Amended 11-7-90, 2-28-94, Formerly 17-711.300. Amended 12-17-96.

**62-711.400 Waste Tire Prohibitions.**

(1) No person may maintain a waste tire site unless such site is an integral part of a permitted waste tire processing facility, except as provided in Rule <sup>4</sup> 62-711.510(4), F.A.C. For the purpose of this rule, "an integral part of a waste tire processing facility" means the waste tire site is on the same property as the processing facility.

(2) No person shall dispose of waste tires except at a permitted solid waste management facility which includes any facility permitted by the Department for the disposal of waste tires. Collection or storage of waste tires at a permitted waste tire processing facility or waste tire collection center prior to processing or use does not constitute disposal, provided that the collection and storage complies with Rule 62-711.540, F.A.C. Collectors are advised that it has been the experience of the Department that local law enforcement officers frequently prosecute persons who illegally dispose of waste tires under Section 403.413, F.S.

(3) Whole waste tires may not be disposed of in a landfill. Waste tires that have been cut into sufficiently small parts may be disposed of or used as initial cover at a permitted landfill.

(a) For use as initial cover, a sufficiently small part means that 70 percent of the waste tire material is cut into pieces of 4 square inches or less and 100 percent of the waste tire material is 32 square inches or less.

(b) For purposes of disposal, a sufficiently small part means that the tire has been cut into at least eight substantially equal pieces. Any processed tire which is disposed of in a landfill and which does not meet the size requirement of subsection (a) above must be disposed of in a landfill within 10 days of the date of processing, unless otherwise specified.

(4) No person shall store waste tires unless the waste tires are:

(a) Collected and stored at a permitted waste tire collection center;

(b) Collected and stored before processing at a waste tire site which is an integral part of a permitted waste tire processing facility;

(c) Collected and stored before processing and recycling or disposal in a permitted solid waste management facility; or

(d) Collected and stored at a facility exempted under Rule <sup>3</sup> 62-711.310, F.A.C.



RECEIVED

JUL 06 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

July 2, 1999

**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

Ms. Mary C. Nogas, PE  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Groundwater, Leachate & Surface Water Monitoring Event Notification  
Second Semi-annual Event, 1999  
FDEP Permit: 0013493-002-SC  
I.D. Number: GMS3116P02787**

Dear Ms. Nogas:

In accordance with Chapter 62-701.510 (9) (a) F.A.C., this letter serves to inform you that we will be conducting water quality sampling for the second 1999 semi-annual monitoring event at Trail Ridge Landfill on July 19, 1999. Samples will be collected by Professional Technical Support Services, Inc. (ProTech) and transported to Columbia Analytical Services, Inc. in Jacksonville, Florida for analyses.

If you have any questions, please feel free to contact me at 289-9100.

Sincerely,

Greg Mathes  
District Manager

cc: L. Chris Pearson, city of Jacksonville  
Carolyn McCreedy



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

June 10, 1999

Ms. Mary C. Nogas, P.E.  
Solid Waste Supervisor  
Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: FDEP Permit Number: 0013493-002-SC**  
**Trail Ridge Landfill**  
**Annual Topographic Survey for 1999**

RECEIVED

JUN 14 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Dear Ms. Nogas:

In accordance with Specific Condition 13 of the referenced permit, enclosed please find the annual topographical survey for Trail Ridge Landfill. The current permitted maximum design elevation is 350.6 feet MSL. The survey indicates the site is well below this elevation. The terraces, toe of slope, and other features of the site are easily identifiable from this survey.

Please give me a call at 289-9100 if you have any questions or comments concerning this enclosure.

Sincerely,

Greg Mathes  
District Manager

GM:lh  
Enclosure

cc: Carolyn McCreedy

JUN 14 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT JAX

### SURVEY AND MAP REPORT

This document has been prepared in accordance with Chapter 61G17-6 of the Florida State Department of Business & Professional Regulation code, which addresses minimum technical standards for the surveying and mapping industry.

#### Survey Description:

AeroMap U.S. Project No.: 7990316  
Location: Trail Ridge Landfill and Trail Ridge Landfill Borrow Area  
Type of Survey: Topographic Survey  
Date of Original Photography: March 23, 1999  
Date of Survey: March 23, 1999  
Film Type: Kodak 2445 Color Negative  
Deliverable Items:  
Three Mylar Plots at 1"=100'  
Digital Files: TR3991.DGN, TR3992.DGN, TRB399.DGN  
TR3991.DWG, TR3992.DWG, TRB399.DWG

Photogrammetric methods were employed in the performance of this Topographic Survey. This survey was conducted by:


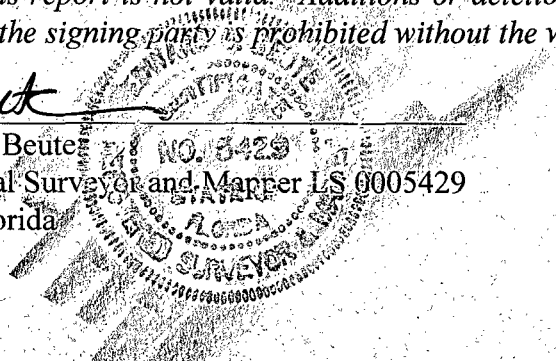
Aero-Metric, Inc.  
d/b/a  
AeroMap U.S. (LB 0006738)  
4 Signal Avenue  
Ormond Beach, FL 32174  
904-677-7715 FAX 904-677-7626

This survey was performed for:

Trail Ridge, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234

This Report of Survey is not full and complete without the map sheets and/or digital files to which this report makes mention.

*Unless it bears the signature and the original raised seal of a Florida licensed surveyor and mapper, this report is not valid. Additions or deletions to any signed survey report or map by other than the signing party is prohibited without the written consent of the signing party.*

  
Edward C. Beute  
Professional Surveyor and Mapper LS 0005429  
State of Florida  


April 16, 1999  
Date

### Measurement Methods

All map data were collected using photogrammetric methodology from aerial photography dated March 23, 1999 acquired at an altitude of 3,000 feet above ground elevation (1"=500' nominal negative scale). Fully analytical stereoplotter instruments were used in the collection of digital data with photogrammetric software specifically designed for the extraction of positional information from stereo imagery.

The relative location of the site improvements (i.e., roads, trails, streets, fences, buildings, and drainage features) has been accurately portrayed with respect to the control survey. Planimetric features and details were collected commensurate with the final output map scale and the ability of the operator to see and interpret these features from the photography. Areas where the ground was obscured due to heavy vegetation have been labeled and identified with dashed contours.

### Survey and Map Accuracy

All mapped features meet or exceed the Minimum Technical Standards of the State of Florida:

- At least 90% of ground point elevations of well-identified features contained in this survey and map have been measured to an estimated **vertical** accuracy of: +/- 1.0 feet.
- The survey-measured verses ground truth coordinates of at least 90% of well-identified features contained in this survey and map have been measured to an estimated **horizontal** positional accuracy of: +/- 5.0 feet.

Horizontal and vertical accuracy is determined from the absolute orientation solution, which is based upon ground control values received from England, Thims & Miller, Inc., 3131 St. Johns Bluff Road S., Jacksonville, FL 32246. Digital mapping and/or coordinate data files are intended to be displayed at a scale of 1:1200 (1"=100') or smaller.

### Datums

The **vertical** datum for the Trail Ridge Landfill and the Landfill Borrow Site is NGS mean Sea Level. The **horizontal** datum for the Trail Ridge Landfill and the Landfill Borrow Site is NAD83.

### Intended Features

All features identified on the aerial photography were intended to be surveyed and mapped in their entirety. All line drawn features are shown edge to scale. Symbols do not represent the actual size of the object. Please refer to the Map Legend in the digital file for the cartographic representation of each feature.



Limitations

This mapping should be used for preliminary design work only and should not replace an actual field survey where the required accuracy is greater than the accuracy stated in this report.

This survey is restricted to the active areas of the landfill for which the company contracted to update. No responsibility is assumed for the areas outside this scope.

The signing party assumes no responsibility for the accuracy of the ground control provided by England, Thims & Miller, Inc.

End of Report.





**1 OVERSIZED  
MAP SCANNED  
SEPERATELY**

## Memorandum

# Florida Department of Environmental Protection

**TO:** Mary Nogas, Northeast District Office

**THROUGH:** Jim Crane, Bureau of Waste Cleanup *JJC*

**FROM:** Michelle Allard, Bureau of Waste Cleanup *MA*

**DATE:** May 5, 1999

**SUBJECT:** 1999 Semi-Annual Groundwater, Surface Water and Leachate Monitoring  
Results for the Trail Ridge Landfill site, Duval County

RECEIVED

MAY 10 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

As the cover letter of the report implies, the following monitor wells had elevated iron concentrations above the standard of .3 mg/l in the groundwater samples; MWB-19I (.9 mg/l), MWB-19D (.9 mg/l), MWB-2S (.4 mg/l), MWB-31D (.4 mg/l), MWB-3S (.6 mg/l), MWB-3I (.6 mg/l), MWB-17S (.5 mg/l) and duplicate (.4 mg/l), MWB-17D (.6 mg/l), MWB-20S (.6 mg/l), MWB-11S (.4 mg/l), MWB-11I (.11 mg/l), MWB-12I (.4 mg/l), MWB-12D (.9 mg/l) and MWB-22S (.4 mg/l). In addition, MWB-21S (.7 mg/l) also had an elevated iron concentration.

Low pH values were reported for MWB2S (4.39), MWB3S (4.53), MWB2I (4.66), MWB3I (4.75), MWB19S (4.87), MWB11S (4.05), MWB12S (4.86), MWB20S (4.11), MWB22S (4.64), MWB7S (4.62), MWB21S (4.66), MWB19I (5.06), MWB11I (5.22), MWB12I (5.34), MWB7I (5.31), MWB17S (4.69), MWB17I (4.78), MWB17D (5.68), MWB13S (5.08), MWB13I (5.07), DUP01 (4.69) and DUP02 (4.86).

As further noted on the cover letter, lead exceeded its standard in MWB11I (.03 mg/l) and vanadium exceeded its standard in MWB11I (.11 mg/l).

Other observations listed in the groundwater sample data sheets included odor and color comments. MWB11S, MWB2S, MWB7S, MWB19I, MWB12I, MWB17S, MWB13S, MWB13I, DUP01 and DUP02 had slight odors noted. MWB19S, MWB7S, MWB19I, MWB17S, MWB13S, DUP01 and DUP02 had high color unit values recorded. MWB21S had a strong odor and tan sheen. MWB11I had a strong field odor, but no sheen noted.

The leachate samples had field odors noted.

Please contact me at Suncom 278-3935, if you have any questions regarding this review.



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

April 3, 1999

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Permit No. 0013493-002-SC**  
**Waste Tire Processing Facility Quarterly Report**

Dear Ms. Nogas:

In accordance with specific condition 32e of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the first calendar quarter of 1999.

Also enclosed is a copy of the Annual Fire Safety Survey for 1999 in accordance with 62-711.540 (1)(d).

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Mathes', with a long, sweeping horizontal line extending to the right.

Greg Mathes  
District Manager

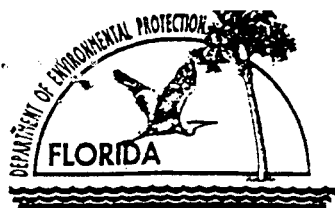
GM:lh  
Enclosures (2)

cc: Carolyn McCreedy

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**APR - 7 1999**

**DEPT. OF ENV. PROTECTION**  
**NORTHEAST DISTRICT - JAX**



# Department of Environmental Protection

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

DEP Form # 62-711.900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date February 28, 1999

DEP Application No. \_\_\_\_\_

(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: JAN. 1 - MAR. 31, 1999 (First quarter begins on January 1 of any given year)

- Facility name: TRAIL RIDGE LANDFILL
- Facility mailing address: 5110 U.S. HIGHWAY 301, SOUTH  
City: BALDWIN County: DUVAL Zip: 32234-3608
- Facility permit number: 0013493-002-SC
- Facility telephone number: ( 904 ) 289-9100
- Authorized person preparing report: GREG MATHES
- Affiliation with facility: DISTRICT MANAGER (WASTE MANAGEMENT, INC.)
- Telephone number (if different from above): ( \_\_\_\_\_ ) \_\_\_\_\_
- Activity: Report in tons.

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	182	69					251
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	182	69					251

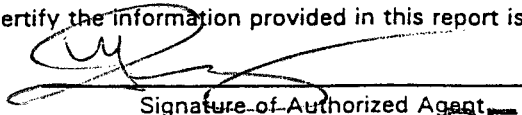
- Explain all inventory adjustments. \_\_\_\_\_
- List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

GREG MATHES

Name of Authorized Agent

  
Signature of Authorized Agent

4/5/99

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

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APR - 7 1999

ATTACHMENT 7

Northwest District  
190 Government Center  
Panama City, Florida 32501-6784  
904-444-8300

Northwest District  
7825 Baymeadows Way Suite 8200  
Jacksonville, Florida 32256-7577  
904-444-4300

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX  
Southeast District  
900 N. Congress Ave., Suite E  
Jacksonville, Florida 32202  
904-433-3010



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

March 4, 1999

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MAR - 8 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Ms. Sally B. Heuer  
Environmental Specialist  
Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256-7590

**Re: Trail Ridge Landfill  
Response to Inspection Report of February 18, 1999**

Dear Ms. Heuer:

We received your inspection checklist dated February 18, 1999, and would like to take this opportunity to provide a written explanation to the comments in the inspection report.

IIB, 17 - Annual Cost Adjustment for Long Term Care and Closure: I spoke with Chris Pearson, Operations Manager, Solid Waste Division, with the city of Jacksonville on March 1, 1999 regarding this issue. Chris initially thought the report had been submitted, however, after researching this matter he realized the report had not been submitted as required. The city of Jacksonville subsequently delivered this report to the Department's Northeast District office on March 2, 1999. We apologize for any inconvenience this may have caused and have implemented a procedure to ensure that future reports will be submitted in a timely manner.

IIB, 31 -The area requiring additional intermediate cover has been repaired and is available for re-inspection.

I hope these explanations address your comments, however, if you have additional questions or require further explanation, please give me a call at 289-9100.

Sincerely,

Greg Mathes  
District Manager

GM:lh

cc: Chris Pearson



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

January 29, 1999

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FEB - 1 1999

Via Airborne Express

Ms. Mary Nogas  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, FL 32256

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

RE: Trail Ridge Landfill  
Bi-annual Groundwater Monitoring Report  
FDEP Permit 0013493-002-SC  
Duval County, FL

Dear Ms. Nogas:

In accordance with Rule 62-701 FAC, Trail Ridge Landfill Inc., respectfully submits two copies of the Bi-annual Monitoring report for groundwater, surface water and leachate data collected between January 1997 and December 1998. We apologize for the delay in submitting this report and shall make every effort to ensure that these reports are submitted in a timely fashion.

Should you have any questions concerning this report, please contact me at (904) 289-9100.

Sincerely,

Greg Mathes  
District Manager

Enclosures

City of Jacksonville  
Fire and Rescue Department - Fire Prevention Division  
1931 E. Beaver Street  
Jacksonville, FL 32202-0969

FIRE SAFETY INSPECTION

Fpd #: \_\_\_\_\_

Date: 01/25/99

New Property: \_\_\_\_\_

Existing Property: ☒

Name: TRAIL RIDGE LANDFILL Owner/Occupant: WASTE MANAGEMENT COMPANY

(Please Print) BALDWIN FL. 32234-3608 (Please Print)

Address: 5110 U.S. HIGHWAY 301 SOUTH Phone #: 289-9100

Occupancy Use: OFFICE

YOUR ATTENTION IS CALLED TO THE FOLLOWING VIOLATIONS:

- |   | Code  |   | Code  |
|---|-------|---|-------|
| <b>I. Dangerous or Hazardous Conditions</b>   |       | <b>V. Toxic Materials:</b>  |       |
| A. Improper storage of combustible materials, and/or rubbish, waste paper, trash, etc. ....         | _____ | A. Improper storage of toxic materials, poisonous gases, and/or corrosive liquids. .... | _____ |
| B. Improper maintenance of chimneys, vents, and/or exhaust systems or heat producing equipment .... | _____ | B. Improper and/or inadequate identification of containers or facilities. ....          | _____ |
| C. Building in disrepair and/or unsecured ....  | _____ | C. Inadequate containment for leaks or spills ....                                      | _____ |
| D. Nonapproved heating or cooking appliances ....   | _____ | D. Inadequate ventilation. ....   | _____ |
| E. Aisle, passageway or stairway blocked ....   | _____ | <b>VI. Compressed Gas:</b>  |       |
| F. Locked Exit doors ....   | _____ | A. Improper and/or inadequate identification of storage facilities. ....                | _____ |
| G. Exitways improperly marked and/or illuminated ....   | _____ | B. Improper location of tanks. ....   | _____ |
| H. Inadequate means of egress ....  | _____ | C. Tanks and piping subject to physical damage. ....                                    | _____ |
| I. Smoking prohibited in ....   | _____ | D. Improper ventilation. ....   | _____ |
| J. Parking of vehicles in fire lanes. (call police). ....   | _____ | E. Improper Maintenance of equipment. ....  | _____ |
| K. Smoke detectors missing or inoperable. ....  | _____ | <b>VII. Electrical Wiring:</b>  |       |
| L. Improper trash receptacle. ....  | _____ | A. Improper use of extension cords and/or adapters. ....                                | _____ |
| M. No valid _____ permit. ....  | _____ | B. Unsafe wiring of fixtures. ....  | _____ |
| <b>II. Fire Protection Equipment:</b>   |       | C. Electric panel or junction boxes, overloaded, exposed or obstructed. ....            | _____ |
| A. Fire Extinguishers or suppression system date _____  | _____ | <b>VIII. Hood Systems:</b>  |       |
| 1. Improper type, location or number. ....  | _____ | A. No hood system. ....   | _____ |
| 2. Faulty condition. ....   | _____ | B. Hood insufficient to cover appliances. ....  | _____ |
| 3. Annual maintenance by licensed Fire equipment contractor. ....                                   | _____ | C. Improper wiring or electrical fixtures attached to hood system. ....                 | _____ |
| 4. Insufficient sprinkler head clearance. ....  | _____ | D. Missing or dirty filters. ....   | _____ |
| 5. Defective Nozzles, hoses, piping. ....   | _____ | E. Defective Fire suppression system. ....  | _____ |
| <b>III. Alarm System:</b>   |       |   |       |
| A. Annual maintenance by a certified Alarm contractor. ....   | _____ |   |       |
| B. Alarm system inoperative or malfunctioning. ....   | _____ |   |       |
| <b>IV. Flammable and combustible liquids:</b>   |       |   |       |
| A. Improper storage and/or handling. ....   | _____ |   |       |
| B. Inadequate ventilation. ....   | _____ |   |       |
| C. Improper identification. ....  | _____ |   |       |
| D. Improperly maintained fuel dispensing equipment. ....  | _____ |   |       |

Other Violations: \_\_\_\_\_

Comments/Instructions: VIOLATIONS HAVE BEEN CORRECTED  
JFC

Failure to correct these violations may result in this office seeking civil and/or criminal penalties as required by law.

This occupancy meets the minimum fire codes. Yes

I acknowledge receipt of this inspection form:

GREG MYHRS

Name (Please Print)

[Signature]  
Signature

01/25/99  
Date

I certify on this date, I made an inspection of the above premises.

C.L. CONNER

Inspector

01/25/99

Date

APR - 7 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

January 12, 1999

Ms. Mary C. Nogas, P.E.  
Solid Waste Supervisor  
Department of Environmental Protection  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

**Re: Trail Ridge Landfill  
DEP Permit Number 0013493-002-SC**

**RECEIVED**

**JAN 14 1999**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

Dear Ms. Nogas:

Pursuant to your telephone conversation with Juanitta Clem on January 12, 1999, it is our understanding that the Department has agreed to allow Trail Ridge Landfill to use a mixture of 50% soil and 50% mulch for intermediate cover, with the following stipulations:

1. The mulch must be ground in sufficiently small pieces (approximately 1" or less).
2. The mulch and soil must be sufficiently mixed to provide a fairly homogeneous mixture. (Note: The proposed method is to first place the materials in a stockpile in horizontal layers and then load the material in a vertical cut.)
3. The mixture of soil and mulch must be placed in a 16-inch layer to allow for decomposition to the mulch material.
4. The soil/mulch mixture must be placed as intermediate cover over the 6-inch layer of initial cover.
5. Any plastics or other extraneous materials from the mulch that project through the in-place intermediate cover must be removed.

We believe that the mulch will provide a good soil amendment to our soil material and the resulting mixture will help stabilize the intermediate cover areas and enhance the organic development of vegetation.

We plan to proceed with the placement of the 50% mulch to 50% soil mixture for intermediate cover. If you have any objections, please notify us immediately. We appreciate your assistance.

Sincerely,

Greg Mathes  
District Manager

GM:ljh

cc: Chris Pearson, city of Jacksonville  
Juanitta Clem, England, Thims & Miller, Inc.





**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

**RECEIVED**

**JAN - 7 1999**

January 7, 1999

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Permit No. 0013493-002-SC  
Waste Tire Processing Facility Quarterly Report  
4th Quarter 1998**

Dear Ms. Nogas:

In accordance with specific condition 32e of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the fourth calendar quarter of 1998.

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

Greg Mathes  
District Manager

GM:lh  
Enclosure

cc: Sheree Henninger



# Department of Environmental Protection

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

DEP Form # 62-711.900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date February 28, 1999

DEP Application No. \_\_\_\_\_

(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: OCT. 1 - DEC. 31, 1998 (First quarter begins on January 1 of any given year)

1. Facility name: TRAIL RIDGE LANDFILL
2. Facility mailing address: 5110 U.S. HIGHWAY 301, SOUTH  
City: BALDWIN County: DUVAL Zip: 32234-3608
3. Facility permit number: 0013493-002-SC
4. Facility telephone number: (904) 289-9100
5. Authorized person preparing report: GREG MATHES
6. Affiliation with facility: DISTRICT MANAGER (WASTE MANAGEMENT, INC.) **RECEIVED**  
JAN - 7 1999
7. Telephone number (if different from above): ( ) \_\_\_\_\_
8. Activity: Report in tons.

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	114	68					182
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	114	68					182

- a. Explain all inventory adjustments. \_\_\_\_\_
- b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

GREG MATHES

Name of Authorized Agent

[Signature]  
Signature of Authorized Agent

1/6/99

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

ATTACHMENT 7



**TRAIL RIDGE LANDFILL, INC.**  
A WASTE MANAGEMENT COMPANY

5110 U.S. Highway 301, South  
Baldwin, FL 32234-3608  
(904) 289-9100  
(904) 289-9013 Fax

January 6, 1999

Ms. Mary C. Nogas, P.E.  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Quarterly Leachate Generation Report  
Fourth Quarter 1998  
FDEP Permit #0013493-002-SC  
GMS No. 3116P03090**

Dear Ms. Nogas:

In accordance with Specific Condition 43 b. of the referenced permit, enclosed please find two copies of the fourth quarter 1998 Leachate Generation Report for Trail Ridge Landfill.

The leachate generation reports include daily precipitation amounts, the quantities of leachate collected from the LCRS and LDS, and the amount of leachate transported to the water treatment facility. Should you have any questions concerning this report, please feel free to contact me at (904) 289-9100.

Sincerely,

Greg Mathes  
District Manager

GM:lh  
Encl.

cc: Chris Pearson w/encl.  
Sheree Henninger

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**JAN - 7 1999**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

**Trail Ridge Landfill  
Leachate/Rainfall: Fourth Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
October	0.60	733,500	17,400	750,900	774,000
November	0.10	348,200	9,800	358,000	324,000
December	0.30	169,600	2,100	171,700	168,000
<b>QTR. TOTAL</b>	<b>1.0</b>	<b>1,251,300</b>	<b>29,300</b>	<b>1,280,600</b>	<b>1,266,000</b>

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JAN - 7 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill**  
**Leachate/Rainfall: OCTOBER 1998**

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**JAN - 7 1999**

DEPT. OF ENV. PROTECTION  
 NORTH CAROLINA DISTRICT - JAX

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Leachate Transported
10/1/98	0	24,500	2,000	26,500	36,000
10/2/98	0	25,700	2,300	28,000	48,000
10/3/98	0	29,400	2,200	31,600	48,000
10/4/98					
10/5/98	0.6	36,500	4,100	40,600	24,000
10/6/98	0	58,300	700	59,000	54,000
10/7/98	0	48,900	800	49,700	30,000
10/8/98	0	36,500	1,100	37,600	30,000
10/9/98	0	29,000	-	29,000	30,000
10/10/98	0	26,600	-	26,600	60,000
10/11/98					
10/12/98	0	32,100	1,200	33,300	30,000
10/13/98	0	52,600	-	52,600	24,000
10/14/98	0	22,200	-	22,200	18,000
10/15/98	0	20,500	100	20,600	36,000
10/16/98	0	39,700	1,400	41,100	54,000
10/17/98	0	37,800	-	37,800	42,000
10/18/98					
10/19/98	0	44,000	100	44,100	54,000
10/20/98	0	15,600	-	15,600	24,000
10/21/98	0	18,900	-	18,900	24,000
10/22/98	0	15,100	100	15,200	18,000
10/23/98	0	14,800	-	14,800	24,000
10/24/98	NO READINGS TAKEN ON SATURDAY OCTOBER 24				-
10/25/98					
10/26/98	0	33,700	-	33,700	18,000
10/27/98	0	19,800	500	20,300	-
10/28/98	0	20,600	600	21,200	24,000
10/29/98	0	10,800	200	11,000	24,000
10/30/98	0	9,700	-	9,700	-
10/31/98	0	10,200	-	10,200	-
<b>TOTALS</b>	<b>0.60</b>	<b>733,500</b>	<b>17,400</b>	<b>750,900</b>	<b>774,000</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: NOVEMBER 1998**

**RECEIVED**

**JAN - 7 1999**

DEPT. OF ENV. PROTECTION  
 NORTH-EAST DISTRICT - JAX

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Gallons	
				Leachate Produced	Leachate Transported
11/1/98					
11/2/98	0	19,300	500	19,800	
11/3/98	0	13,800	300	14,100	6,000
11/4/98	0	12,800	3,000	15,800	
11/5/98	0	14,700	2,200	16,900	30,000
11/6/98	0	11,300	200	11,500	24,000
11/7/98	0	11,500	400	11,900	
11/8/98					
11/9/98	0	17,200	100	17,300	24,000
11/10/98	0	9,800	-	9,800	
11/11/98	0	20,500	200	20,700	
11/12/98	0	14,300	-	14,300	24,000
11/13/98	0	11,100	300	11,400	
11/14/98	0	13,100	200	13,300	
11/15/98					
11/16/98	0	15,700	-	15,700	18,000
11/17/98	0	15,300	200	15,500	30,000
11/18/98	0	12,200	-	12,200	30,000
11/19/98	0	14,800	-	14,800	30,000
11/20/98	0	8,000	100	8,100	30,000
11/21/98	0	15,100	900	16,000	
11/22/98					
11/23/98	0.1	16,900	-	16,900	24,000
11/24/98	0	11,000	300	11,300	6,000
11/25/98	0	13,000	100	13,100	24,000
11/26/98	HOLIDAY				
11/27/98	0	19,000	-	19,000	
11/28/98	0	14,000	-	14,000	
11/29/98					
11/30/98	0	23,800	800	24,600	24,000
<b>TOTALS</b>	<b>0.10</b>	<b>348,200</b>	<b>9,800</b>	<b>358,000</b>	<b>324,000</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: DECEMBER 1998**

**RECEIVED**

JAN - 7 1999

DEPT. OF ENV. PROTECTION

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
12/1/98	0	6,600	-	6,600	24,000
12/2/98	0	6,500	-	6,500	24,000
12/3/98	0	3,000	-	3,000	
12/4/98	0	3,000	-	3,000	24,000
12/5/98	0	5,300	400	5,700	
12/6/98					
12/7/98	0	7,700	200	7,900	12,000
12/8/98	0	5,400	-	5,400	
12/9/98	0	4,400	-	4,400	
12/10/98	0	4,600	-	4,600	
12/11/98	0	4,000	-	4,000	
12/12/98	0	5,600	300	5,900	
12/13/98					
12/14/98	0	8,400	400	8,800	
12/15/98	0	4,100	-	4,100	
12/16/98	0	4,100	-	4,100	36,000
12/17/98	0	4,600	-	4,600	
12/18/98	0	3,500	800	4,300	6,000
12/19/98	0	3,400	-	3,400	
12/20/98					
12/21/98	0	3,800	-	3,800	
12/22/98	0	8,400	-	8,400	
12/23/98	0	100	-	100	
12/24/98	0	8,700	-	8,700	
12/25/98	HOLIDAY				
12/26/98	0	10,000	-	10,000	
12/27/98					
12/28/98	0.3	18,400	-	18,400	
12/29/98	0	9,000	-	9,000	18,000
12/30/98	0	16,000	-	16,000	18,000
12/31/98	0	11,000	-	11,000	6,000

<b>TOTALS</b>	<b>0.30</b>	<b>169,600</b>	<b>2,100</b>	<b>171,700</b>	<b>168,000</b>
---------------	-------------	----------------	--------------	----------------	----------------

note: on 12/23, Phase IIIB shut down for repairs. All pumps shut down over night

**Trail Ridge Landfill  
Leachate/Rainfall: Fourth Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
October	0.60	733,500	17,400	750,900	774,000
November	0.10	348,200	9,800	358,000	324,000
December	0.30	169,600	2,100	171,700	168,000
<b>QTR. TOTAL</b>	<b>1.0</b>	<b>1,251,300</b>	<b>29,300</b>	<b>1,280,600</b>	<b>1,266,000</b>

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JAN - 7 1999

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX



**Trail Ridge Landfill**  
**Leachate/Rainfall: OCTOBER 1998**

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JAN - 7 1999

DEPT. OF ENV. PROTECTION  
 NORTH EAST DISTRICT - JAX

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Leachate Transported
10/1/98	0	24,500	2,000	26,500	36,000
10/2/98	0	25,700	2,300	28,000	48,000
10/3/98	0	29,400	2,200	31,600	48,000
10/4/98					
10/5/98	0.6	36,500	4,100	40,600	24,000
10/6/98	0	58,300	700	59,000	54,000
10/7/98	0	48,900	800	49,700	30,000
10/8/98	0	36,500	1,100	37,600	30,000
10/9/98	0	29,000	-	29,000	30,000
10/10/98	0	26,600	-	26,600	60,000
10/11/98					
10/12/98	0	32,100	1,200	33,300	30,000
10/13/98	0	52,600	-	52,600	24,000
10/14/98	0	22,200	-	22,200	18,000
10/15/98	0	20,500	100	20,600	36,000
10/16/98	0	39,700	1,400	41,100	54,000
10/17/98	0	37,800	-	37,800	42,000
10/18/98					
10/19/98	0	44,000	100	44,100	54,000
10/20/98	0	15,600	-	15,600	24,000
10/21/98	0	18,900	-	18,900	24,000
10/22/98	0	15,100	100	15,200	18,000
10/23/98	0	14,800	-	14,800	24,000
10/24/98	NO READINGS TAKEN ON SATURDAY OCTOBER 24				-
10/25/98					
10/26/98	0	33,700	-	33,700	18,000
10/27/98	0	19,800	500	20,300	-
10/28/98	0	20,600	600	21,200	24,000
10/29/98	0	10,800	200	11,000	24,000
10/30/98	0	9,700	-	9,700	-
10/31/98	0	10,200	-	10,200	-
<b>TOTALS</b>	<b>0.60</b>	<b>733,500</b>	<b>17,400</b>	<b>750,900</b>	<b>774,000</b>

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**Trail Ridge Landfill  
Leachate/Rainfall: NOVEMBER 1998**

**JAN - 7 1999**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
11/1/98					
11/2/98	0	19,300	500	19,800	
11/3/98	0	13,800	300	14,100	6,000
11/4/98	0	12,800	3,000	15,800	
11/5/98	0	14,700	2,200	16,900	30,000
11/6/98	0	11,300	200	11,500	24,000
11/7/98	0	11,500	400	11,900	
11/8/98					
11/9/98	0	17,200	100	17,300	24,000
11/10/98	0	9,800	-	9,800	
11/11/98	0	20,500	200	20,700	
11/12/98	0	14,300	-	14,300	24,000
11/13/98	0	11,100	300	11,400	
11/14/98	0	13,100	200	13,300	
11/15/98					
11/16/98	0	15,700	-	15,700	18,000
11/17/98	0	15,300	200	15,500	30,000
11/18/98	0	12,200	-	12,200	30,000
11/19/98	0	14,800	-	14,800	30,000
11/20/98	0	8,000	100	8,100	30,000
11/21/98	0	15,100	900	16,000	
11/22/98					
11/23/98	0.1	16,900	-	16,900	24,000
11/24/98	0	11,000	300	11,300	6,000
11/25/98	0	13,000	100	13,100	24,000
11/26/98	HOLIDAY				
11/27/98	0	19,000	-	19,000	
11/28/98	0	14,000	-	14,000	
11/29/98					
11/30/98	0	23,800	800	24,600	24,000
<b>TOTALS</b>	<b>0.10</b>	<b>348,200</b>	<b>9,800</b>	<b>358,000</b>	<b>324,000</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: DECEMBER 1998**

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**JAN - 7 1999**

DEPT. OF ENV. PROTECTION  
 NORTHEAST DISTRICT - JAX

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
12/1/98	0	6,600	-	6,600	24,000
12/2/98	0	6,500	-	6,500	24,000
12/3/98	0	3,000	-	3,000	
12/4/98	0	3,000	-	3,000	24,000
12/5/98	0	5,300	400	5,700	
12/6/98			-		
12/7/98	0	7,700	200	7,900	12,000
12/8/98	0	5,400	-	5,400	
12/9/98	0	4,400	-	4,400	
12/10/98	0	4,600	-	4,600	
12/11/98	0	4,000	-	4,000	
12/12/98	0	5,600	300	5,900	
12/13/98			-		
12/14/98	0	8,400	400	8,800	
12/15/98	0	4,100	-	4,100	
12/16/98	0	4,100	-	4,100	36,000
12/17/98	0	4,600	-	4,600	
12/18/98	0	3,500	800	4,300	6,000
12/19/98	0	3,400	-	3,400	
12/20/98			-		
12/21/98	0	3,800	-	3,800	
12/22/98	0	8,400	-	8,400	
12/23/98	0	100	-	100	
12/24/98	0	8,700	-	8,700	
12/25/98	HOLIDAY		-		
12/26/98	0	10,000	-	10,000	
12/27/98			-		
12/28/98	0.3	18,400	-	18,400	
12/29/98	0	9,000	-	9,000	18,000
12/30/98	0	16,000	-	16,000	18,000
12/31/98	0	11,000	-	11,000	6,000
<b>TOTALS</b>	<b>0.30</b>	<b>169,600</b>	<b>2,100</b>	<b>171,700</b>	<b>168,000</b>

note: on 12/23, Phase IIIB shut down for repairs. All pumps shut down over night

**REGULATORY & ENVIRONMENTAL SERVICES DEPARTMENT**

**Air and Water Quality Division**



November 9, 1998

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**NOV 10 1998**

**DEPT. OF ENVIRONMENTAL PROTECTION  
NORTHEAST DISTRICT - JAX**

Ms. Juanita Bader Clem, P.E., Vice President  
England-Thims & Miller, Inc.  
3131 St. Johns Bluff Rd., S.  
Jacksonville, FL 32246

**Re: Duval County-Air Pollution  
Trail Ridge Landfill, Inc.  
Gas Collection and Control System construction and start up extension**

Dear Ms. Clem:

The City of Jacksonville, Regulatory and Environmental Services Department, Air & Water Quality Division (Department) has reviewed your time extension request letter dated October 14, 1998, and grants an extension of the due date for completion of the Gas Collection and Control System construction and start up from December 10, 1998 to December 31, 1998.

The Department requests you complete construction, and start up of the gas collection and control system as soon as possible but no later than the extended due date. Please notify me of the anticipated start up date as soon as the date has been set.

If you have any further questions or comments concerning this matter please contact Mr. Jerry Woosley of my staff at (904) 630-3484.

Very truly yours,

Richard L. Robinson, P.E., Manager  
Air Pollution Permitting Section

RLR/JEW/be

c: Venkata Panchakarla, DEP-Tallahassee  
Achaya Kepalanda, Trail Ridge Landfill, Inc.  
✓ Mary Nogas, P.E., DEP-NE District  
Chris Pearson, City of Jacksonville-Solid Waste Division  
Chris Kirts, P.E., DEP - NE District  
Wayne Tutt, QEP, AWQD  
AWQD File 0358 A  
AWQD Air Permitting File

s:\permit\0310358.ext

November 9, 1998

Ms. Sally Heuer  
Solid Waste Section  
Florida Department of Environmental Protection  
7825 Baymeadows way, Suite 200B  
Jacksonville, FL 32256-7590

RE: Trail Ridge Landfill  
Baldwin, Florida

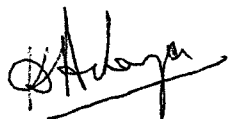
Dear Ms. Heuer,

We at Waste Management are in the process of going through a re-organization and, as part of this process, I have been relieved of my responsibilities at Trail Ridge Landfill. I am pleased to inform you that Sheree Henninger will take over these responsibilities and she can be contacted at 289-9100.

I appreciate the assistance and cooperation extended to me and have enjoyed working with you. We look forward to your continued assistance and guidance.

Should you have any questions concerning this matter, or if I can be of any assistance to you, please call me at (850) 263-7100.

Sincerely yours,



Achaya Kelapanda  
Engineering Manager

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NOV 12 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - J. L.



**SPRINGHILL REGIONAL LANDFILL**  
A WASTE MANAGEMENT COMPANY

4945 Hwy. 273  
Graceville, Florida 32440  
(850) 263-7100 Ext 222  
(850) 263-4973 Fax

**RECEIVED**

**OCT 16 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX.

October 15, 1998

Ms. Mary Nogas, P.E.  
Florida Department of Environmental Protection  
7825 Baymeadows Way Suite 200B  
Jacksonville, Florida 32256

**RE: Trail Ridge Landfill  
Semiannual Groundwater, Surface Water, and Leachate monitoring Results-1998  
FDEP Permit 0013493-002-SC  
GMS No. 3116PO2787**

Dear Ms. Nogas:

In accordance with Specific Condition 41, 42, 44 of the above referenced permit, enclosed please find two copies of the groundwater, surface water and leachate monitoring report for the second 1998 semiannual monitoring event for Trail Ridge Landfill. The samples were collected between August 13 -18, 1998 by Professional Technical Support Services, Inc. Analyses of the collected samples were performed through Columbia Analytical Laboratories in Jacksonville, Florida. Please note that the facility is performing fill operations in Phases III B & IVB of its permitted footprint.

The following points summarize the attached analytical results from the sampling event:

- The pH concentrations reported for the samples collected at MWB-2(S)b, MWB-2(I)b, MWB-3(I)b, MWB-3(S)b, MWB-7(I)c, MWB-7(S)c, MWB-11(I)c, MWB-11(S)c, MWB-12(S)c, MWB-12(I)c, MWB-13(S)c, MWB-13(I)c, MWB-17(S)c, MWB-17(D)c, MWB-19(S)c, MWB-19(I)c, MWB-20(S)c, MWB-21(S)c, MWB-22(S)c were all below the Florida Secondary Drinking Water Standard (FSDWS) range of 6.5 - 8.5 su. Based on historical data, such pH levels are characteristic of the site.
- The iron concentrations reported for the samples collected at MWB-2(I)b, MWB-2(S)b, MWB-3(S)b, MWB-3(I)b, MWB-7(I)c, MWB-11(I)c, MWB-11(S)c, MWB-12(S)c, MWB-12(I)c, MWB-12(D)c, MWB-13(I)c, MWB-17(S)c, MWB-17(D)c, MWB-19(D)c, MWB-19(I)c, MWB-20(S)c, MWB-21(S)c, MWB-22(S)c were all above the FSDWS. Iron concentrations have historically been reported above the FSDWS at this site and are considered to be reflective of the natural ground water conditions of the area.
- The MCL for Total lead was exceeded at MWB-11(I)c. However, samples analyzed for Dissolved Lead did not detect lead at the MRL. As the turbidity level at this sample point was in excess of 200 NTU's, we believe that the presence of suspended solids was the cause of the exceedance. As such, the value for Lead at this sample point may be considered a non-detect.
- The presence of Color (as measured in the Laboratory) was in excess of the FSDWS. Color was in excess of 15 NTU's at MWB-7(S)c, MWB-11(S)c, and MWB-19(I) c. Historical data indicate these values as being typical values and are reflective of the natural ground water conditions of this area.



**SPRINGHILL REGIONAL LANDFILL**  
A WASTE MANAGEMENT COMPANY

4945 Hwy. 273  
Graceville, Florida 32440  
(850) 263-7100 Ext 222  
(850) 263-4973 Fax

Please call Sheree Henninger or myself at (904) 289-9100, should you have any questions with regard to this submittal.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya', written over a horizontal line.

Achaya Kelapanda  
Engineering Manager

attachments

c: Greg Mathes  
Chris Pearson w/attachments



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

October 9, 1998

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Permit No. 0013493-002-SC  
Waste Tire Processing Facility Quarterly Report  
3rd Quarter 1998**

Dear Ms. Nogas:

In accordance with specific condition 32e of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the third calendar quarter of 1998.

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

A handwritten signature in cursive script, reading "Achaya Kelapanda". The signature is written in dark ink and is positioned above the typed name.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Enclosure

**RECEIVED**

**OCT 13 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**







# Department of Environmental Protection

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

DEP Form # 62-711 900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date February 22, 1998

DEP Application No. \_\_\_\_\_

(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: 7/1/98 - 9/30/98 (First quarter begins on January 1 of any given year)

1. Facility name: TRAIL RIDGE LANDFILL
2. Facility mailing address: 5110 U.S. HIGHWAY 301  
City: BALDWIN County: DUVAL Zip: 32234
3. Facility permit number: 0013493-002-SC
4. Facility telephone number: ( 904 ) 289-9100
5. Authorized person preparing report: ACHAYA KELAPANDA
6. Affiliation with facility: ENVIRONMENTAL ENGINEER
7. Telephone number (if different from above): ( 904 ) \_\_\_\_\_
8. Activity: Report in tons.

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DEPT. OF ENV. PROT.  
NORTHEAST DISTRICT

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	30	84					114
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	30	84					114

- a. Explain all inventory adjustments. \_\_\_\_\_
- b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

ACHAYA KELAPANDA

Name of Authorized Agent

Achaya Kelapanda  
Signature of Authorized Agent

OCT. 9, 1998

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

ATTACHMENT 7



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

October 8, 1998

Ms. Mary C. Nogas, P.E.  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Quarterly Leachate Generation Report  
Third Quarter 1998  
FDEP Permit #0013493-002-SC  
GMS No. 3116P03090**

Dear Ms. Nogas:

In accordance with Specific Condition 43 b. of the referenced permit, enclosed please find two copies of the third quarter 1998 Leachate Generation Report for Trail Ridge Landfill.

The leachate generation reports include daily precipitation amounts, the quantities of leachate collected from the LCRS and LDS, and the amount of leachate transported to the water treatment facility. Should you have any questions concerning this report, please feel free to contact me at (904) 289-9100.

Sincerely,

A handwritten signature in cursive script that reads "Achaya Kelapanda". There is a small, stylized mark resembling a "Y" or a checkmark at the end of the signature.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Encl.

cc: Chris Pearson w/encl.  
Greg Mathes

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OCT 13 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill**  
**Leachate/Rainfall: Third Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
July	7	430,800	21,600	452,400	462,000
August	8.4	1,051,000	64,700	1,115,700	1,098,000
September	9.2	803,700	43,100	846,800	846,000
<b>QTR. TOTAL</b>	<b>24.6</b>	<b>2,285,500</b>	<b>129,400</b>	<b>2,414,900</b>	<b>2,406,000</b>

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**OCT 13 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAZ

**Trail Ridge Landfill**  
**Leachate/Rainfall: JULY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
7/1/98	0	4,900	700	5,600	12,000
7/2/98	0	5,700	1,600	7,300	6,000
7/3/98	0	5,800	-	5,800	48,000
7/4/98	0	8,800	1,000	9,800	
7/5/98					
7/6/98	1	11,000	1,500	12,500	12,000
7/7/98	0	8,300	1,400	9,700	24,000
7/8/98	0	6,000	1,400	7,400	30,000
7/9/98	0	5,300	1,600	6,900	
7/10/98	0	5,900	-	5,900	
7/11/98	0	7,000	-	7,000	
7/12/98					
7/13/98	0.1	9,000	-	9,000	
7/14/98	2	18,300	-	18,300	
7/15/98	0.2	13,800	-	13,800	
7/16/98	1.5	26,000	-	26,000	
7/17/98	0	20,300	-	20,300	
7/18/98	0	63,500	-	63,500	
7/19/98					
7/20/98	1.2	67,100	-	67,100	30,000
7/21/98	0	5,100	-	5,100	54,000
7/22/98	0	28,500	-	28,500	42,000
7/23/98	0.5	22,500	-	22,500	60,000
7/24/98	0	10,600	-	10,600	48,000
7/25/98	Michael off - no one took readings				36,000
7/26/98					
7/27/98	0.5	43,400	-	43,400	30,000
7/28/98	0	9,200	2,000	11,200	
7/29/98	0	3,900	4,500	8,400	
7/30/98	0	13,300	3,800	17,100	24,000
7/31/98	0	7,600	2,100	9,700	6,000
<b>TOTALS</b>	<b>7.00</b>	<b>430,800</b>	<b>21,600</b>	<b>452,400</b>	<b>462,000</b>

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**OCT 13 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill**  
**Leachate/Rainfall: AUGUST 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
8/1/98	0	14,900	2,500	17,400	
8/2/98					
8/3/98	4	27,200	5,600	32,800	
8/4/98	0	53,100	3,400	56,500	54,000
8/5/98	0	83,000	3,300	86,300	48,000
8/6/98	0	34,800	700	35,500	30,000
8/7/98	0	34,400	3,500	37,900	54,000
8/8/98	NO READINGS TAKEN ON SATURDAY 8/8/98				60,000
8/9/98					
8/10/98	0.2	102,600	5,900	108,500	84,000
8/11/98	0.9	63,900	9,200	73,100	84,000
8/12/98	0	63,700	2,700	66,400	84,000
8/13/98	0.7	13,100	2,600	15,700	12,000
8/14/98	0	8,900	1,800	10,700	48,000
8/15/98	0	18,200	2,100	20,300	48,000
8/16/98					
8/17/98	0.5	119,800	1,100	120,900	54,000
8/18/98	0	51,000	2,100	53,100	48,000
8/19/98	1.2	11,400	1,500	12,900	54,000
8/20/98	0	47,400	2,000	49,400	48,000
8/21/98	0.7	68,200	1,300	69,500	18,000
8/22/98	0	27,000	2,300	29,300	42,000
8/23/98					
8/24/98	0	30,000	2,700	32,700	42,000
8/25/98	0	36,600	3,100	39,700	24,000
8/26/98	0	22,500	2,200	24,700	42,000
8/27/98	0	PUMPS WERE SHUT OFF OVERNIGHT			24,000
8/28/98	0	46,900	1,300	48,200	36,000
8/29/98	0	33,400	800	34,200	36,000
8/30/98					
8/31/98	0.2	39,000	1,000	40,000	24,000
<b>TOTALS</b>	<b>8.4</b>	<b>1,051,000</b>	<b>64,700</b>	<b>1,115,700</b>	<b>1,098,000</b>

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**OCT 13 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAK

**Trail Ridge Landfill**  
**Leachate/Rainfall: SEPTEMBER 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Balance in Tanks	Gallons Leachate Transported
9/1/98	0	24,600	1,100	25,700	92,100	48,000
9/2/98	0.1	6,500	200	6,700	77,100	54,000
9/3/98	1.3	74,600	6,200	80,800	84,400	24,000
9/4/98	0.1	33,700	700	34,400	106,300	48,000
9/5/98	0	28,500	3,200	31,700	106,500	30,000
9/6/98						
9/7/98	1.7	50,900	600	51,500	106,700	30,000
9/8/98	0	34,700	800	35,500	106,900	54,000
9/9/98	0	14,800	900	15,700	82,500	36,000
9/10/98	0	9,500	2,000	11,500	48,300	42,000
9/11/98	0	9,000	-	9,000	52,700	30,000
9/12/98	0	7,400	1,200	8,600	47,300	
9/13/98						
9/14/98	0	14,500	600	15,100	27,800	18,000
9/15/98	0	7,500	1,000	8,500	15,700	18,000
9/16/98	0	69,100	400	69,500	67,100	
9/17/98	0	49,500	1,500	51,000	114,800	18,000
9/18/98	1.5	26,900	100	27,000	111,700	30,000
9/19/98	1.4	23,000	2,000	25,000	113,500	18,000
9/20/98						
9/21/98	0.3	40,600	3,600	44,200	115,000	42,000
9/22/98	1.3	31,800	2,900	34,700	103,400	48,000
9/23/98	0	9,200	2,100	11,300	72,100	36,000
9/24/98	0.2	12,800	2,400	15,200	61,200	54,000
9/25/98	0.9	2,800	2,300	5,100	15,100	24,000
9/26/98	0	32,800	1,700	34,500	74,600	18,000
9/27/98						
9/28/98	0	81,900	2,200	84,100	96,700	36,000
9/29/98	0	57,600	3,400	61,000	109,000	54,000
9/30/98	0.4	49,500	-	49,500	111,200	36,000
<b>TOTALS</b>	<b>9.2</b>	<b>803,700</b>	<b>43,100</b>	<b>846,800</b>		<b>846,000</b>

**RECEIVED**

**OCT 13 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

RECEIVED

JUL 20 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

July 16, 1998

Ms. Sally B. Heuer  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Semiannual Groundwater Monitoring Report  
FDEP Permit 0013493-002-SC  
GMS No. 3116P02787**

Dear Ms. Heuer:

Pursuant to your letter dated July 9, 1998 we would like to respond to the deficiencies identified by the Department in our semi-annual ground water monitoring reports for 1997 and 1998. We appreciate your having taken the time to inspect our facility and go through the comments and observations identified by Ms. Michelle Allard.

- 1) *The groundwater flow data was not included in this report.*

The potentiometric maps were included in the 1997 & 1998 report depicting the direction of groundwater flow based on data collected from the shallow, intermediate and deep wells. As such, we had complied with the above mentioned requirement.

- 2) *As noted while reviewing the Summer 1997 report, the sampling results for all three media were not reported on the Department's Parameter Monitoring Report form.*

The 1997 report included a Parameter Monitoring Report form that included all the relevant data referenced on DEP Form 62-522.900(2). The 1997 report was submitted to meet the requirements of the old solid waste permit number SC16-184444.

With reference to the 1998 Report, please refer to Specific Condition number 41m and Attachment 5 of the new solid waste permit # 0013493-002-SC issued on Nov. 25, 1997. The Parameter Monitoring Report form included in our 1998 report is an exact replica of the DEP Form 62-522.900(2). As such, we believe that we have adhered to this requirement of the permit.

- 3) *The leachate data was not accompanied by a leachate generation report as specified in the permit. The leachate results did meet the contaminant concentrations listed in 40 CFR 261.24.*

Please note that the permit does not require the facility to include leachate generation reports as part of its Groundwater Monitoring report. Per Specific Condition Number 43 b., the facility is required to submit leachate generation reports on a quarterly basis. These reports have been submitted to the Department on a consistent basis and as stand alone documents.

- 4) *The appendices title pages indicate that this sampling included Phase I, Phase III and Phase V monitoring wells. The leachate sampling was limited to Tank 6 and a composite sample from Tanks 1 through 5.*



The appendices title pages were included to reflect the format adopted in Specific Condition Number 41e. The facility is in the process of placing waste in Phases III B & IV B. In order to meet the requirements of Specific Condition Number 41j & k, the facility chose to sample all detection wells within 90 days of permit issuance.

The leachate sampling program is in keeping with the requirements of Specific Condition Number 44. As such, we believe that we have adhered to this requirements of the permit.

- 5) *The secondary standards for ethylbenzene, toluene and xylene are 30 ppb, 40 ppb and 20 ppb respectively. These standards apply to the landfill monitoring program.*

As pointed out by you in the course of our discussions, these are not the secondary standards for ethylbenzene, toluene and xylene. It is our understanding that the standards referenced above are to be used only to comply with the secondary standard for odor.

- 6) *Color was not recorded in units.*

Attachment 2, 3 & 4 of the permit requires that Colors and Sheens, a Field Parameter reported as one entity, be measured by visual observation only. As such, no units were used to report the presence of Color and Sheen.

- 7) *As noted in the cover letter, most of the wells sampled exceeded the standard for iron and had low pH levels. The wells listed in the letter that had elevated iron concentrations are correct. The wells listed as having low pH values should also include MWB32S, MWB11I and MWB3S. MWB11I also had elevated concentrations of lead (.021mg/l) and vanadium (.072 mg/l).*

The facility inadvertently omitted MWB-32(S) and MWB-3(S)b from the list of wells with low pH values in the 1998 report and we regret the omissions. MWB-11(I)c was included in the list of wells as having a low pH value. Concentrations of lead and vanadium in MWB-11(I)c in the 1998 report can be attributed to the soil matrix based on the results for dissolved lead and vanadium at this sample point. As such, the concentrations detected at MWB-11(I)c were not considered detections with reference to our landfill operations. The results of both Lead and Vanadium as Total and Dissolved Metals were reported on the Discharge Monitoring Report.

We appreciate the opportunity to respond to your comments and assure you that Trail Ridge Landfill will continue to provide accurate information in accordance with the requirements of its solid waste permit. We appreciate your help and input in this matter.

Should you have any questions concerning this matter, please feel free to contact me at 289-9100.

Sincerely,

Achaya Kelapanda  
Environmental Engineer

c: Greg Mathes





Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

June 10, 1998

RECEIVED

JUN 12 1998

Ms. Mary C. Nogas, P.E.  
Solid Waste Supervisor  
Department of Environmental Protection  
Waste Management Section  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Re: FDEP Permit Number: 0013493-002-SC  
Trail Ridge Landfill  
Annual Topographic Survey for 1998

Dear Ms. Nogas:

In accordance with Specific Condition 13 of the above referenced permit, enclosed please find the annual topographical survey for Trail Ridge Landfill. The current permitted maximum design elevation is 350.6 feet MSL. The survey indicates the site is well below this elevation. The terraces, toe of slope, and other features of the site are easily identifiable from this survey.

Please give me a call at 289-9100 if you have any questions or comments concerning this enclosure.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya Kelapanda', is written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Encl.

cc: Greg Mathes, w/o attach.



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

July 10, 1998

Ms. Mary C. Nogas, P.E.  
Solid Waste Supervisor  
Department of Environmental Protection  
Waste Management Section  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Groundwater, Leachate and Surface Water Monitoring Event Update  
Second Semi-Annual Event, 1998  
FDEP Permit: 0013493-002-SC  
I.D. Number: GMS3116P02787**

Dear Ms. Nogas:

This letter serves to inform you that the water quality sampling for the second 1998 semi-annual monitoring event at Trail Ridge Landfill has been postponed to the first week of August, 1998. Samples will be collected by Professional Technical Support Services, Inc. (ProTech), and transported to Columbia Analytical Services, Inc. in Jacksonville, Florida for analyses.

If you have any questions, please feel free to contact me at 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read "Achaya Kelapanda", written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

AK:lh

cc: Greg Mathes

**RECEIVED**

**JUL 14 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

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JUL 13 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

July 9, 1998

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Permit No. 0013493-002-SC**  
**Waste Tire Processing Facility Quarterly Report**

Dear Ms. Nogas:

In accordance with specific condition 32e of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the second calendar quarter of 1998.

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

A handwritten signature in cursive script that reads "Achaya Kelapanda". There is a small "L" written above the end of the signature.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Enclosure



Department of  
Environmental Protection

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

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JUL 13 1998

DEP Form # 62-711.900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date February 28, 1998

DEP Application No. \_\_\_\_\_

(Filled in by DEP)

Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: 4/1/98 - 6/30/98 (First quarter begins on January 1 of any given year)

1. Facility name: TRAIL RIDGE LANDFILL
2. Facility mailing address: 5110 U.S. HIGHWAY 301  
City: BALDWIN County: DUVAL Zip: 32234
3. Facility permit number: 0013493-002-SC
4. Facility telephone number: ( 904 ) 289-9100
5. Authorized person preparing report: ACHAYA KELAPANDA
6. Affiliation with facility: ENVIRONMENTAL ENGINEER
7. Telephone number (if different from above): ( \_\_\_\_\_ ) \_\_\_\_\_
8. Activity: Report in tons.

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	240	90	300				30
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	240	90	300				30

- a. Explain all inventory adjustments. \_\_\_\_\_
- b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

ACHAYA KELAPANDA

Name of Authorized Agent

[Signature]  
Signature of Authorized Agent

JULY 9, 1998

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

ATTACHMENT 7



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

July 9, 1998

Mr. Greg Mathes  
Trail Ridge Landfill, Inc.  
Post Office Box 548  
Baldwin, Florida 32234

Dear Mr. Mathes:

Semi-Annual Groundwater Monitoring Reports  
Trail Ridge Landfill - Duval County

The second semi-annual groundwater monitoring report for 1997 and the first report for 1998 have been reviewed by the Department's Bureau of Waste Cleanup; review comments are enclosed. Please correct all deficiencies noted in the enclosed comments in future groundwater monitoring reports required by Permit No. 0013493-002-SC for the referenced facility.

If you have questions concerning this matter, please contact me at telephone number 904/4484320.

Sincerely,

Sally B. Heuer  
Environmental Specialist

SBH:ml

Enclosures

## Memorandum

# Florida Department of Environmental Protection

**TO:** Mary Nogas, Northeast District Office

**THROUGH:** Jim Crane, Bureau of Waste Cleanup *JJC*

**FROM:** Michelle Allard, Bureau of Waste Cleanup *MA*

**DATE:** May 20, 1998

**SUBJECT:** First Semi-Annual Groundwater Monitoring Results for 1998 for the Trail Ridge Landfill site, Duval County

RECEIVED

MAY 28 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

I have reviewed the referenced document, which contained groundwater, surface water and leachate monitoring data and offer the following comments and observations:

- 1) The groundwater flow data was not included in this report.
- 2) As noted while reviewing the Summer, 1997, report, the sampling results for all three media were not reported on the Department's Parameter Monitoring Report form.
- 3) The leachate data was not accompanied by a leachate generation report as specified in the permit. The leachate results did meet the contaminant concentrations listed in 40 CFR 261.24.
- 4) The appendices title pages indicate that this sampling included Phase I, Phase III and Phase V monitoring wells. The leachate sampling was limited to Tank 6 and a composite sample from Tanks 1 through 5.
- 5) The secondary standards for ethylbenzene, toluene and xylene are 30 ppb, 40 ppb and 20 ppb respectively. These standards apply to the landfill monitoring program.
- 6) Color was not recorded in units.
- 7) As noted in the cover letter (attached), most of the wells sampled exceeded the standard for iron and had low pH levels. The wells listed in the letter that had elevated iron concentrations are correct. The wells listed as having low pH values should also include MWB32S, MWB11I and MWB3S. MWB11I also had elevated concentrations of lead (.021 mg/l) and vanadium (.072 mg/l).

Please contact me at Suncom 278-3935, if you have any questions regarding this review.

cc: Chongman Lee, Solid Waste Management Section

Attachment

## Memorandum

## Florida Department of Environmental Protection

**TO:** Mary Nogas, Northeast District Office

**THROUGH:** Jim Crane, Bureau of Waste Cleanup *JJC*

**FROM:** Michelle Allard, Bureau of Waste Cleanup *MA*

**DATE:** May 19, 1998

**SUBJECT:** Summer, 1997, Semi-Annual Groundwater Sampling Results for the Trail Ridge Landfill site, Duval County

I have reviewed the referenced document, which contained groundwater, surface water and leachate monitoring data, and offer the following comments and observations:

- 1) The groundwater flow data was not included in the report.
- 2) The sampling results for all three media were not reported on the Department's Parameter Monitoring Report form as required in the permit.
- 3) The report does not indicate which wells were used for duplicate sampling.
- 4) The groundwater results showed exceedances of iron in all of the monitor wells (including the background wells), and low pH values in all of the shallow and intermediate wells. Deep wells MWB14D and MWB17D also had low pH readings. Color was above 15 units in wells MWB7S, MWB12D, MWB13I, MWB17S, MWB18S, MWB19I and MWB22S. MWB11I also had an elevated concentration of vanadium (.069 mg/l).
- 5) The leachate data was not accompanied by a leachate generation report as specified in the permit. The leachate results did fall within the criteria listed in 40 CFR 261.24, as required by the permit.
- 6) The report does not state which phase the sampling is in, from the data presented it appears to be in the middle of Phase III.

Please contact me at Suncom 278-3935, if you have any questions regarding this review.

cc: Chongman Lee, Solid Waste Management Section



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

June 19, 1998

Ms. Mary C. Nogas, P.E.  
Solid Waste Supervisor  
Department of Environmental Protection  
Waste Management Section  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

Re: Trail Ridge Landfill  
Groundwater, Leachate and Surface Water Monitoring Event Notification  
Second Semi-Annual Event, 1998  
FDEP Permit: 0013493-002-SC  
I.D. Number: GMS3116P02787

Dear Ms. Nogas:

In accordance with Chapter 62-701.510 (9) (a) F.A.C., this letter serves to inform you that we will be conducting water quality sampling for the second 1998 semi-annual monitoring event at Trail Ridge Landfill during the second week of July 1998. Samples will be collected by Professional Technical Support Services, Inc. (ProTech), and transported to Columbia Analytical Services, Inc. in Jacksonville, Florida for analyses.

If you have any questions, please feel free to contact me at 289-9100.

Sincerely,

Achaya Kelapanda  
Environmental Engineer

cc: Greg Mathes, TRLF  
L. Chris Pearson, city of Jacksonville

RECEIVED

JUN 23 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT-JAX





Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

June 8, 1998

Ms. Mary C. Nogas, P.E.  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill  
Quarterly Leachate Generation Report  
Second Quarter 1998  
FDEP Permit #0013493-002-SC  
GMS No. 3116P03090**

Dear Ms. Nogas:

In accordance with Specific Condition 43 b. of the referenced permit, enclosed please find two copies of the second quarter 1998 Leachate Generation Report for Trail Ridge Landfill.

The leachate generation reports include daily precipitation amounts, the quantities of leachate collected from the LCRS and LDS, and the amount of leachate transported to the water treatment facility. Should you have any questions concerning this report, please feel free to contact me at (904) 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya', is written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Encl.

cc: Chris Pearson w/encl.  
Greg Mathes

**RECEIVED**

**JUL 13 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

**1 OVERSIZED  
MAP SCANNED  
SEPERATELY**

**Trail Ridge Landfill**  
**Leachate/Rainfall: Second Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
April	0.3	300,700	32,800	333,500	192,000	34,500
May	3.15	110,100	22,200	132,300	-	166,500
June	2.1	173,600	9,300	182,900	66,000	157,500
<b>QTR. TOTAL</b>	<b>5.55</b>	<b>584,400</b>	<b>64,300</b>	<b>648,700</b>	<b>258,000</b>	<b>358,500</b>

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**JUL 13 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

**Trail Ridge Landfill**  
**Leachate/Rainfall: APRIL 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
4/1/98	0	62,300	3,100	65,400		
4/2/98	0	32,800	1,800	34,600		
4/3/98	0	33,200	2,300	35,500		
4/4/98	0	64,300	1,200	65,500		
4/5/98						
4/6/98	0	23,600	2,100	25,700	12,000	
4/7/98	0	1,300	700	2,000	6,000	
4/8/98	0	1,400	1,400	2,800		
4/9/98	0.2	3,200	1,600	4,800	24,000	
4/10/98	0	4,400	1,800	6,200	12,000	
4/11/98	0	3,800	800	4,600	36,000	
4/12/98						
4/13/98	0	7,400	2,800	10,200		
4/14/98	0	3,400	2,100	5,500		
4/15/98	0	3,900	700	4,600		
4/16/98	0	2,300	1,200	3,500		
4/17/98	0	3,100	700	3,800	24,000	
4/18/98	0	2,700	600	3,300		
4/19/98						
4/20/98	0	5,500	1,800	7,300	6,000	
4/21/98	0	3,400	1,100	4,500	18,000	
4/22/98	0	2,800	500	3,300	42,000	
4/23/98	0	4,100	500	4,600	6,000	
4/24/98	0	4,300	500	4,800		
4/25/98	0	2,900	500	3,400		
4/26/98						
4/27/98	0	4,800	1,500	6,300		
4/28/98	0	1,900	600	2,500	6,000	12,000
4/29/98	0	1,800	500	2,300		9,000
4/30/98	0.1	16,100	400	16,500		13,500
<b>TOTALS</b>	<b>0.3</b>	<b>300,700</b>	<b>32,800</b>	<b>333,500</b>	<b>192,000</b>	<b>34,500</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: MAY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
5/1/98	0.3	6,000	1,100	7,100	-	10,500
5/2/98	0	3,500	1,000	4,500	-	7,500
5/3/98						
5/4/98	0	7,300	1,600	8,900	-	9,000
5/5/98	0	4,300	1,000	5,300	-	6,000
5/6/98	0	4,500	700	5,200	-	10,500
5/7/98	0	3,100	800	3,900	-	12,000
5/8/98	0	3,900	600	4,500	-	10,500
5/9/98	0	4,000	1,100	5,100	-	
5/10/98						
5/11/98	0	6,200	2,000	8,200	-	12,000
5/12/98	0	2,700	500	3,200	-	7,500
5/13/98	0	2,700	600	3,300	-	15,000
5/14/98	0	3,500	-	3,500	-	10,500
5/15/98	0	2,600	500	3,100	-	-
5/16/98	0	4,000	700	4,700	-	-
5/17/98						
5/18/98	0.1	5,200	900	6,100	-	12,000
5/19/98	1.75	10,400	1,000	11,400	-	15,000
5/20/98	0	3,100	-	3,100	-	9,000
5/21/98	0	3,600	700	4,300	-	
5/22/98	0	3,000	-	3,000	-	
5/23/98	0	1,700	900	2,600	-	
5/24/98						
5/25/98	0	5,700	2,400	8,100	-	15,000
5/26/98	0	5,700	1,200	6,900	-	4,500
5/27/98	0	900	600	1,500	-	
5/28/98	1	2,600	700	3,300	-	
5/29/98	0	2,400	1,500	3,900	-	
5/30/98	0	7,500	100	7,600	-	
5/31/98						
<b>TOTALS</b>	<b>3.15</b>	<b>110,100</b>	<b>22,200</b>	<b>132,300</b>	<b>0</b>	<b>166,500</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: JUNE 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
6/1/98	0		-		6,000	
6/2/98	0		-			9,000
6/3/98	0		-			19,500
6/4/98	0	15,200	200	15,400		13,500
6/5/98	0	5,300	300	5,600	24,000	15,000
6/6/98	0	5,700	300	6,000		
6/7/98			-			
6/8/98	0	17,200	600	17,800	18,000	
6/9/98	0	4,000	500	4,500	18,000	19,500
6/10/98	0	5,400	200	5,600		15,000
6/11/98	0	6,500	300	6,800		4,500
6/12/98	0	4,200	-	4,200		
6/13/98	0	5,500	-	5,500		
6/14/98			-			
6/15/98	0	6,900	-	6,900		10,500
6/16/98	0	3,000	1,000	4,000		15,000
6/17/98	0	5,800	500	6,300		
6/18/98	0	2,000	-	2,000		10,500
6/19/98	0	13,000	600	13,600		
6/20/98	0	14,400	600	15,000		
6/21/98			-			
6/22/98	0	11,500	600	12,100		
6/23/98	0	5,400	500	5,900		
6/24/98	1.3	6,000	300	6,300		
6/25/98	0	6,600	500	7,100		7,500
6/26/98	0.5	5,900	500	6,400		10,500
6/27/98	0	7,000	-	7,000		7,500
6/28/98			-			
6/29/98	0	11,900	500	12,400		
6/30/98	0.3	5,200	1,300	6,500		
<b>TOTALS</b>	<b>2.1</b>	<b>173,600</b>	<b>9,300</b>	<b>182,900</b>	<b>66,000</b>	<b>157,500</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: Second Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
April	0.3	300,700	32,800	333,500	192,000	34,500
May	3.15	110,100	22,200	132,300	-	166,500
June	2.1	173,600	9,300	182,900	66,000	157,500
<b>QTR. TOTAL</b>	<b>5.55</b>	<b>584,400</b>	<b>64,300</b>	<b>648,700</b>	<b>258,000</b>	<b>358,500</b>

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**JUL 13 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

**Trail Ridge Landfill**  
**Leachate/Rainfall: APRIL 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
4/1/98	0	62,300	3,100	65,400		
4/2/98	0	32,800	1,800	34,600		
4/3/98	0	33,200	2,300	35,500		
4/4/98	0	64,300	1,200	65,500		
4/5/98						
4/6/98	0	23,600	2,100	25,700	12,000	
4/7/98	0	1,300	700	2,000	6,000	
4/8/98	0	1,400	1,400	2,800		
4/9/98	0.2	3,200	1,600	4,800	24,000	
4/10/98	0	4,400	1,800	6,200	12,000	
4/11/98	0	3,800	800	4,600	36,000	
4/12/98						
4/13/98	0	7,400	2,800	10,200		
4/14/98	0	3,400	2,100	5,500		
4/15/98	0	3,900	700	4,600		
4/16/98	0	2,300	1,200	3,500		
4/17/98	0	3,100	700	3,800	24,000	
4/18/98	0	2,700	600	3,300		
4/19/98						
4/20/98	0	5,500	1,800	7,300	6,000	
4/21/98	0	3,400	1,100	4,500	18,000	
4/22/98	0	2,800	500	3,300	42,000	
4/23/98	0	4,100	500	4,600	6,000	
4/24/98	0	4,300	500	4,800		
4/25/98	0	2,900	500	3,400		
4/26/98						
4/27/98	0	4,800	1,500	6,300		
4/28/98	0	1,900	600	2,500	6,000	12,000
4/29/98	0	1,800	500	2,300		9,000
4/30/98	0.1	16,100	400	16,500		13,500
<b>TOTALS</b>	<b>0.3</b>	<b>300,700</b>	<b>32,800</b>	<b>333,500</b>	<b>192,000</b>	<b>34,500</b>



**Trail Ridge Landfill**  
**Leachate/Rainfall: MAY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
5/1/98	0.3	6,000	1,100	7,100	-	10,500
5/2/98	0	3,500	1,000	4,500	-	7,500
5/3/98						
5/4/98	0	7,300	1,600	8,900	-	9,000
5/5/98	0	4,300	1,000	5,300	-	6,000
5/6/98	0	4,500	700	5,200	-	10,500
5/7/98	0	3,100	800	3,900	-	12,000
5/8/98	0	3,900	600	4,500	-	10,500
5/9/98	0	4,000	1,100	5,100	-	
5/10/98						
5/11/98	0	6,200	2,000	8,200	-	12,000
5/12/98	0	2,700	500	3,200	-	7,500
5/13/98	0	2,700	600	3,300	-	15,000
5/14/98	0	3,500	-	3,500	-	10,500
5/15/98	0	2,600	500	3,100	-	-
5/16/98	0	4,000	700	4,700	-	-
5/17/98						
5/18/98	0.1	5,200	900	6,100	-	12,000
5/19/98	1.75	10,400	1,000	11,400	-	15,000
5/20/98	0	3,100	-	3,100	-	9,000
5/21/98	0	3,600	700	4,300	-	
5/22/98	0	3,000	-	3,000	-	
5/23/98	0	1,700	900	2,600	-	
5/24/98						
5/25/98	0	5,700	2,400	8,100	-	15,000
5/26/98	0	5,700	1,200	6,900	-	4,500
5/27/98	0	900	600	1,500	-	
5/28/98	1	2,600	700	3,300	-	
5/29/98	0	2,400	1,500	3,900	-	
5/30/98	0	7,500	100	7,600	-	
5/31/98						
<b>TOTALS</b>	<b>3.15</b>	<b>110,100</b>	<b>22,200</b>	<b>132,300</b>	<b>0</b>	<b>166,500</b>

**Trail Ridge Landfill**  
**Leachate/Rainfall: JUNE 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported	Gallons Leachate Recirculated
6/1/98	0		-		6,000	
6/2/98	0		-			9,000
6/3/98	0		-			19,500
6/4/98	0	15,200	200	15,400		13,500
6/5/98	0	5,300	300	5,600	24,000	15,000
6/6/98	0	5,700	300	6,000		
6/7/98			-			
6/8/98	0	17,200	600	17,800	18,000	
6/9/98	0	4,000	500	4,500	18,000	19,500
6/10/98	0	5,400	200	5,600		15,000
6/11/98	0	6,500	300	6,800		4,500
6/12/98	0	4,200	-	4,200		
6/13/98	0	5,500	-	5,500		
6/14/98			-			
6/15/98	0	6,900	-	6,900		10,500
6/16/98	0	3,000	1,000	4,000		15,000
6/17/98	0	5,800	500	6,300		
6/18/98	0	2,000	-	2,000		10,500
6/19/98	0	13,000	600	13,600		
6/20/98	0	14,400	600	15,000		
6/21/98			-			
6/22/98	0	11,500	600	12,100		
6/23/98	0	5,400	500	5,900		
6/24/98	1.3	6,000	300	6,300		
6/25/98	0	6,600	500	7,100		7,500
6/26/98	0.5	5,900	500	6,400		10,500
6/27/98	0	7,000	-	7,000		7,500
6/28/98			-			
6/29/98	0	11,900	500	12,400		
6/30/98	0.3	5,200	1,300	6,500		
<b>TOTALS</b>	<b>2.1</b>	<b>173,600</b>	<b>9,300</b>	<b>182,900</b>	<b>66,000</b>	<b>157,500</b>



Trail Ridge Landfill, Inc.  
6110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9010

May 6, 1998

Mr. Richard L. Robinson, P.E.  
Manager  
Air Pollution Permitting Section  
Regulatory & Environmental Services Division  
117 West Duval Street, Suite 225  
Jacksonville, Florida - 32202

**Re: Approval of NSPS Design Plan  
Trail Ridge Landfill  
Draft Title V Permit No. 0310358-002-AV  
Duval County - AP  
Baldwin, FL**

Dear Mr. Robinson:

Based on my telephone conversation with Mr. Jerry Woosley, it is my understanding that Trail Ridge Landfill will not be required to apply for a permit to construct a proposed gas management system to meet the requirements of 40 CFR Subpart WWW. Trail Ridge Landfill had previously submitted documentation and had obtained approval from the Solid Waste Section to construct the gas management system and as such will not be required to apply for a permit from the Air Section. Please provide written guidance in the event the above statements are incorrect.

I had also requested written approval from your office for the NSPS design plan submitted on June 10, 1997. Mr. Woosley indicated that the plan had been approved and that there were no outstanding issues. As such, we respectfully request that you provide us with written approval in accordance with 40 CFR Subpart WWW. Trail Ridge Landfill is striving to meet the requirements of 40 CFR Subpart WWW and we request your written approval of the NSPS design plan at the earliest.

Should you have any questions concerning these issues, please call me at 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read "Achaya Kelapanda".

Achaya Kelapanda.  
Environmental Engineer

c: Greg Mathes  
Mary Nogas, P.E. ✓  
Chris Pearson

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MAY 6 - 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX



**Trail Ridge Landfill, Inc.**  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

April 7, 1998

Ms. Mary C. Nogas, P.E.  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Trail Ridge Landfill**  
**Quarterly Leachate Generation Report**  
**First Quarter 1998**  
**FDEP Permit #0013493-002-SC**  
**GMS No. 3116P03090**

Dear Ms. Nogas:

In accordance with Specific Condition 43 b. of the referenced permit, enclosed please find two copies of the first quarter 1998 Leachate Generation Report for Trail Ridge Landfill.

The leachate generation reports include daily precipitation amounts, the quantities of leachate collected from the LCRS and LDS, and the amount of leachate transported to the water treatment facility. Should you have any questions concerning this report, please feel free to contact me at (904) 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya Kelapanda', is written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Encl.

cc: Chris Pearson w/encl.  
Greg Mathes

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**APR 10 1998**

**DEPT. OF ENV. PROTECTION**  
**NORTHEAST DISTRICT - JAX**



**Trail Ridge Landfill  
Leachate/Rainfall: First Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
January	4.4	239,400	800	240,200	258,000
February	13.48	350,000	2,200	352,200	480,000
March	3.4	1,653,600	30,400	1,684,000	288,000
<b>QTR. TOTAL</b>	<b>21.28</b>	<b>2,243,000</b>	<b>33,400</b>	<b>2,276,400</b>	<b>1,026,000</b>

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**APR 10 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**

**Trail Ridge Landfill**  
**Leachate/Rainfall: JANUARY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
1/1/98	0	6,100	-	6,100	-
1/2/98	0	5,300	-	5,300	54,000
1/3/98	0	6,600	-	6,600	-
1/4/98			-		
1/5/98	0	12,300	-	12,300	-
1/6/98	0	4,200	-	4,200	-
1/7/98	0	5,500	-	5,500	-
1/8/98	1.4	6,200	-	6,200	24,000
1/9/98	0	11,600	-	11,600	-
1/10/98	0	11,500	-	11,500	-
1/11/98			-		
1/12/98	0	14,600	-	14,600	36,000
1/13/98	0	7,400	-	7,400	18,000
1/14/98	0	6,300	-	6,300	24,000
1/15/98	0.2	7,500	-	7,500	12,000
1/16/98	0.2	9,100	-	9,100	18,000
1/17/98	0	7,100	-	7,100	-
1/18/98			-		
1/19/98	0	14,300	-	14,300	18,000
1/20/98	0	6,400	-	6,400	-
1/21/98	0	5,300	-	5,300	-
1/22/98	0	6,100	-	6,100	18,000
1/23/98	0.2	5,700	-	5,700	-
1/24/98	NO REPORT FOR SATURDAY JAN. 24, 1998				-
1/25/98			-		
1/26/98	1.5	30,500	-	30,500	-
1/27/98	0.8	12,200	800	13,000	18,000
1/28/98	0.1	15,200	-	15,200	18,000
1/29/98	0	11,900	-	11,900	-
1/30/98	0	10,500	-	10,500	-
1/31/98	NO REPORT FOR SATURDAY JAN. 31, 1998				-
<b>TOTALS</b>	<b>4.4</b>	<b>239,400</b>	<b>800</b>	<b>240,200</b>	<b>258,000</b>

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**APR 10 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill  
Leachate/Rainfall: FEBRUARY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
2/1/98			-		
2/2/98	0	14,200	-	14,200	42,000
2/3/98	1	20,000	100	20,100	30,000
2/4/98	0.5	18,700	-	18,700	24,000
2/5/98	0	13,900	-	13,900	-
2/6/98	0	8,900	-	8,900	24,000
2/7/98	0	9,300	-	9,300	24,000
2/8/98			-		
2/9/98	0	14,700	100	14,800	-
2/10/98	0	6,100	-	6,100	48,000
2/11/98	0	6,400	-	6,400	18,000
2/12/98	0	6,600	-	6,600	18,000
2/13/98	0	6,100	-	6,100	-
2/14/98	0.3	4,900	-	4,900	-
2/15/98					
2/16/98	1.6	8,600	-	8,600	30,000
2/17/98	5.4	19,600	-	19,600	42,000
2/18/98	0	20,900	-	20,900	42,000
2/19/98	0	11,900	-	11,900	24,000
2/20/98	0.5	13,600	900	14,500	12,000
2/21/98	0	20,300	-	20,300	-
2/22/98					
2/23/98	3.58	24,800	100	24,900	30,000
2/24/98	0	18,600	100	18,700	24,000
2/25/98	0	10,200	100	10,300	36,000
2/26/98	0	9,100	200	9,300	6,000
2/27/98	0.1	18,300	400	18,700	6,000
2/28/98	0.5	44,300	200	44,500	-
<b>TOTALS</b>	<b>13.48</b>	<b>350,000</b>	<b>2,200</b>	<b>352,200</b>	<b>480,000</b>

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**APR 10 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill**  
**Leachate/Rainfall: MARCH 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
3/1/98			-		
3/2/98	0.2	99,400	-	99,400	
3/3/98	0	73,900	-	73,900	
3/4/98	0	107,500	-	107,500	30,000
3/5/98	0	120,300	-	120,300	
3/6/98	0	91,500	-	91,500	24,000
3/7/98	0	75,000	-	75,000	24,000
3/8/98			-		
3/9/98	1.2	97,600	-	97,600	42,000
3/10/98	0	49,500	600	50,100	30,000
3/11/98	0	47,700	600	48,300	24,000
3/12/98	0	43,200	700	43,900	12,000
3/13/98	0	39,700	-	39,700	
3/14/98	0	39,300	600	39,900	
3/15/98					
3/16/98	0	80,700	600	81,300	
3/17/98	0	36,100	500	36,600	6,000
3/18/98	0	36,800	-	36,800	24,000
3/19/98	2	47,100	9,600	56,700	6,000
3/20/98	0	76,200	2,600	78,800	
3/21/98	0	61,800	1,000	62,800	
3/22/98					
3/23/98	0	71,900	-	71,900	
3/24/98	0	68,700	200	68,900	
3/25/98	0	43,600	1,100	44,700	6,000
3/26/98	0	40,700	1,600	42,300	24,000
3/27/98	0	40,400	2,200	42,600	
3/28/98	0	54,600	4,000	58,600	18,000
3/29/98					
3/30/98	0	69,200	2,100	71,300	6,000
3/31/98	0	41,200	2,400	43,600	12,000
<b>TOTALS</b>	<b>3.4</b>	<b>1,653,600</b>	<b>30,400</b>	<b>1,684,000</b>	<b>288,000</b>

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**APR 10 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX



**Trail Ridge Landfill**  
**Leachate/Rainfall: First Quarter 1998**

Month	Rainfall	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
January	4.4	239,400	800	240,200	258,000
February	13.48	350,000	2,200	352,200	480,000
March	3.4	1,653,600	30,400	1,684,000	288,000
<b>QTR. TOTAL</b>	<b>21.28</b>	<b>2,243,000</b>	<b>33,400</b>	<b>2,276,400</b>	<b>1,026,000</b>

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**APR 10 1998**

DEPT. OF ENV. PROTECTION  
 NORTHEAST DISTRICT - JAX

**Trail Ridge Landfill**  
**Leachate/Rainfall: JANUARY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
1/1/98	0	6,100	-	6,100	-
1/2/98	0	5,300	-	5,300	54,000
1/3/98	0	6,600	-	6,600	-
1/4/98					
1/5/98	0	12,300	-	12,300	-
1/6/98	0	4,200	-	4,200	-
1/7/98	0	5,500	-	5,500	-
1/8/98	1.4	6,200	-	6,200	24,000
1/9/98	0	11,600	-	11,600	-
1/10/98	0	11,500	-	11,500	-
1/11/98					
1/12/98	0	14,600	-	14,600	36,000
1/13/98	0	7,400	-	7,400	18,000
1/14/98	0	6,300	-	6,300	24,000
1/15/98	0.2	7,500	-	7,500	12,000
1/16/98	0.2	9,100	-	9,100	18,000
1/17/98	0	7,100	-	7,100	-
1/18/98					
1/19/98	0	14,300	-	14,300	18,000
1/20/98	0	6,400	-	6,400	-
1/21/98	0	5,300	-	5,300	-
1/22/98	0	6,100	-	6,100	18,000
1/23/98	0.2	5,700	-	5,700	-
1/24/98	NO REPORT FOR SATURDAY JAN. 24, 1998				-
1/25/98					
1/26/98	1.5	30,500	-	30,500	-
1/27/98	0.8	12,200	800	13,000	18,000
1/28/98	0.1	15,200	-	15,200	18,000
1/29/98	0	11,900	-	11,900	-
1/30/98	0	10,500	-	10,500	-
1/31/98	NO REPORT FOR SATURDAY JAN. 31, 1998				-
<b>TOTALS</b>	<b>4.4</b>	<b>239,400</b>	<b>800</b>	<b>240,200</b>	<b>258,000</b>

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**APR 10 1998**

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - 24X

**Trail Ridge Landfill**  
**Leachate/Rainfall: FEBRUARY 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
2/1/98					
2/2/98	0	14,200	-	14,200	42,000
2/3/98	1	20,000	100	20,100	30,000
2/4/98	0.5	18,700	-	18,700	24,000
2/5/98	0	13,900	-	13,900	-
2/6/98	0	8,900	-	8,900	24,000
2/7/98	0	9,300	-	9,300	24,000
2/8/98					
2/9/98	0	14,700	100	14,800	-
2/10/98	0	6,100	-	6,100	48,000
2/11/98	0	6,400	-	6,400	18,000
2/12/98	0	6,600	-	6,600	18,000
2/13/98	0	6,100	-	6,100	-
2/14/98	0.3	4,900	-	4,900	-
2/15/98					
2/16/98	1.6	8,600	-	8,600	30,000
2/17/98	5.4	19,600	-	19,600	42,000
2/18/98	0	20,900	-	20,900	42,000
2/19/98	0	11,900	-	11,900	24,000
2/20/98	0.5	13,600	900	14,500	12,000
2/21/98	0	20,300	-	20,300	-
2/22/98					
2/23/98	3.58	24,800	100	24,900	30,000
2/24/98	0	18,600	100	18,700	24,000
2/25/98	0	10,200	100	10,300	36,000
2/26/98	0	9,100	200	9,300	6,000
2/27/98	0.1	18,300	400	18,700	6,000
2/28/98	0.5	44,300	200	44,500	-
<b>TOTALS</b>	<b>13.48</b>	<b>350,000</b>	<b>2,200</b>	<b>352,200</b>	<b>480,000</b>

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**APR 10 1998**  
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 NORTHEAST DISTRICT - C

**Trail Ridge Landfill**  
**Leachate/Rainfall: MARCH 1998**

Date	Rainfall Inches	Leachate Primary	Leachate Secondary	Total Leachate Produced	Gallons Leachate Transported
3/1/98			-		
3/2/98	0.2	99,400	-	99,400	
3/3/98	0	73,900	-	73,900	
3/4/98	0	107,500	-	107,500	30,000
3/5/98	0	120,300	-	120,300	
3/6/98	0	91,500	-	91,500	24,000
3/7/98	0	75,000	-	75,000	24,000
3/8/98			-		
3/9/98	1.2	97,600	-	97,600	42,000
3/10/98	0	49,500	600	50,100	30,000
3/11/98	0	47,700	600	48,300	24,000
3/12/98	0	43,200	700	43,900	12,000
3/13/98	0	39,700	-	39,700	
3/14/98	0	39,300	600	39,900	
3/15/98			-		
3/16/98	0	80,700	600	81,300	
3/17/98	0	36,100	500	36,600	6,000
3/18/98	0	36,800	-	36,800	24,000
3/19/98	2	47,100	9,600	56,700	6,000
3/20/98	0	76,200	2,600	78,800	
3/21/98	0	61,800	1,000	62,800	
3/22/98			-		
3/23/98	0	71,900	-	71,900	
3/24/98	0	68,700	200	68,900	
3/25/98	0	43,600	1,100	44,700	6,000
3/26/98	0	40,700	1,600	42,300	24,000
3/27/98	0	40,400	2,200	42,600	
3/28/98	0	54,600	4,000	58,600	18,000
3/29/98			-		
3/30/98	0	69,200	2,100	71,300	6,000
3/31/98	0	41,200	2,400	43,600	12,000
<b>TOTALS</b>	<b>3.4</b>	<b>1,653,600</b>	<b>30,400</b>	<b>1,684,000</b>	<b>288,000</b>

**RECEIVED**  
**APR 10 1998**  
 DEPT. OF ENV. PROTECTION  
 NORTHEAST DISTRICT - JAG



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

April 3, 1998

Ms. Mary Nogas, P.E.  
Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**Re: Permit No. 0013493-002-SC  
Waste Tire Processing Facility Quarterly Report**

Dear Ms. Nogas:

In accordance with specific condition 32e of the above referenced permit, please find enclosed, the Waste Tire Processing Facility Quarterly Report for Trail Ridge Landfill for the first calendar quarter of 1998.

Also enclosed is a copy of the Annual Fire Safety Survey for 1998 in accordance with 62-711.540 (1)(d).

Should you have any questions concerning this report, please call me at 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya Kelapanda', is written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

AK:lh  
Enclosures (2)

**RECEIVED**

**APR - 7 1998**

**DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX**



# Department of Environmental Protection

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

DEP Form # 62-711.900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date February 28, 1998

DEP Application No. \_\_\_\_\_  
(Filled in by DEP)

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

1/1/98 - 3/31/98

Quarter covered by this report: \_\_\_\_\_ (First quarter begins on January 1 of any given year)

- Facility name: TRAIL RIDGE LANDFILL
- Facility mailing address: 5110 U.S. HIGHWAY 301  
City: BALDWIN County: DUVAL Zip: 32234
- Facility permit number: 0013493-002-SC
- Facility telephone number: ( 904 ) 289-9100
- Authorized person preparing report: ACHAYA KELAPANDA
- Affiliation with facility: ENVIRONMENTAL ENGINEER
- Telephone number (if different from above): ( ) \_\_\_\_\_
- Activity: Report in tons.

RECEIVED

APR - 7 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	168	72					240
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	168	72					240

- Explain all inventory adjustments. \_\_\_\_\_
- List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_  
For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

### 9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

ACHAYA KELAPANDA

Name of Authorized Agent

Achaya Kelapanda  
Signature of Authorized Agent

APRIL 4, 1998

Date

Mail complete form to  
the appropriate district office  
Page 1 of 1

ATTACHMENT 7

City of Jacksonville  
Fire and Rescue Department - Fire Prevention Division  
1931 E. Beaver Street  
Jacksonville, FL 32202-0969

FIRE SAFETY INSPECTION

Fpd #: \_\_\_\_\_

Date: \_\_\_\_\_ New Property: \_\_\_\_\_

Existing Property: ✓

Name: TICEL Ridge L. 1011 Owner/Occupant: \_\_\_\_\_  
(Please Print) (Please Print)

Address: 310. US 301 S. Phone #: 2 89 9100

Occupancy Use: \_\_\_\_\_

YOUR ATTENTION IS CALLED TO THE FOLLOWING VIOLATIONS:

	Code		Code
<b>I. Dangerous or Hazardous Conditions</b>		<b>V. Toxic Materials:</b>	
A. Improper storage of combustible materials, and/or rubbish, waste paper, trash, etc. ....	_____	A. Improper storage of toxic materials, poisonous gases, and/or corrosive liquids. ....	_____
B. Improper maintenance of chimneys, vents, and/or exhaust systems or heat producing equipment ....	_____	B. Improper and/or inadequate identification of containers or facilities. ....	_____
C. Building in disrepair and/or unsecured ....	_____	C. Inadequate containment for leaks or spills ....	_____
D. Nonapproved heating or cooking appliances ....	_____	D. Inadequate ventilation. ....	_____
E. Aisle, passageway or stairway blocked ....	_____	<b>VI. Compressed Gas:</b>	
F. Locked Exit doors ....	_____	A. Improper and/or inadequate identification of storage facilities. ....	_____
G. Exitways improperly marked and/or illuminated ....	_____	B. Improper location of tanks. ....	_____
H. Inadequate means of egress ....	_____	C. Tanks and piping subject to physical damage. ....	_____
I. Smoking prohibited in. ....	_____	D. Improper ventilation. ....	_____
J. Parking of vehicles in fire lanes. (call police) ....	_____	E. Improper Maintenance of equipment. ....	_____
K. Smoke detectors missing or inoperable. ....	_____	<b>VII. Electrical Wiring:</b>	
L. Improper trash receptacle. ....	_____	A. Improper use of extension cords and/or adapters. ....	_____
M. No valid _____ permit. ....	_____	B. Unsafe wiring of fixtures. ....	_____
<b>II. Fire Protection Equipment:</b>		C. Electric panel or junction boxes, overloaded, exposed or obstructed. ....	_____
A. Fire Extinguishers or suppression system date. ....	_____	<b>VIII. Hood Systems:</b>	
1. Improper type, location or number. ....	_____	A. No hood system. ....	_____
2. Faulty condition. ....	_____	B. Hood insufficient to cover appliances. ....	_____
3. Annual maintenance by licensed Fire equipment contractor. ....	_____	C. Improper wiring or electrical fixtures attached to hood system. ....	_____
4. Insufficient sprinkler head clearance. ....	_____	D. Missing or dirty filters. ....	_____
5. Defective Nozzles, hoses, piping. ....	_____	E. Defective Fire suppression system. ....	_____
<b>III. Alarm System:</b>			
A. Annual maintenance by a certified Alarm contractor. ....	_____		
B. Alarm system inoperative or malfunctioning. ....	_____		
<b>IV. Flammable and combustible liquids:</b>			
A. Improper storage and/or handling. ....	_____		
B. Inadequate ventilation. ....	_____		
C. Improper identification. ....	_____		
D. Improperly maintained fuel dispensing equipment. ....	_____		

Other Violations: \_\_\_\_\_

APR - 7 1998

Comments/Instructions: \_\_\_\_\_

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Failure to correct these violations may result in this office seeking civil and/or criminal penalties as required by law.

This occupancy meets the minimum fire codes. ✓

I acknowledge receipt of this inspection form:

[Signature]  
Name (Please Print)

[Signature]  
Signature

1-26-98  
Date

I certify on this date, I made an inspection of the above premises.

[Signature]  
Inspector

1-26-98  
Date

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Juanita Clem  
England Thine & Miller  
3131 St. Johns Bluff Rd  
Jax, FL 32246

4a. Article Number

P 326 086 537

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

MAR 8 1998

5. Received By: (Print Name)

L. Rouseff  
X

6. Signature: (Addressee or Agent)

X

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

Solid Waste

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Greg Mather  
Trail Ridge Landfill  
5710 US Hwy 301  
Baldwin, FL

4a. Article Number

P 326 086 538

4b. Service Type

- ☐ Registered ☒ Certified  
☐ Express Mail ☐ Insured  
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

MAR 8 1998  
Solid Waste

5. Received By: (Print Name)

Greg Mather  
X

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 326 086 537

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to		Clem
Street and No.		
P.O., State and ZIP Code		
Postage	\$	
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	
Postmark or Date		

P 326 086 538

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to		Mather
Street and No.		
P.O., State and ZIP Code		
Postage	\$	
Certified Fee		
Special Delivery Fee		
Restricted Delivery Fee		
Return Receipt showing to whom and Date Delivered		
Return Receipt showing to whom, Date, and Address of Delivery		
TOTAL Postage and Fees	\$	
Postmark or Date		





# Department of Environmental Protection

File

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

March 5, 1998

## CERTIFIED - RETURN RECEIPT

Ms. Juanitta Clem, Vice President  
England, Thims, and Miller, Inc.  
3131 St. Johns Bluff Road  
Jacksonville, Florida 32246

Dear Ms. Clem:

Trail Ridge Landfill  
Request for Permit Minor Modification  
FDEP Permit Number 0013493-002-SC  
FDEP File Number 0013493-003  
Second Request for Additional Information  
Duval County - Solid Waste

The Department has reviewed your submittal, received February 9, 1998, in response to our January 20, 1998 request for additional information. The following review is enclosed:

Attachment 1, Review Memorandum, dated March 5, 1998, prepared by Julia Boesch

The information requested in this review is required for the Department to proceed with the processing of your request for permit minor modification. Please provide the requested information by April 6, 1998. Action on the application will be delayed until the requested information has been received in this office. Please reference the associated DEP file number in all written correspondence concerning this project. If you have any comments concerning this matter, please contact Julia Boesch at the letterhead address or telephone number (904) 448-4320.

Sincerely,

Mary C. Nogas, P. E.  
Solid Waste Supervisor

MCN:jbl

cc: Greg Mathes

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

**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**INTEROFFICE MEMORANDUM**

---

To: Files

Through: Mary C. Nogas, P. E.  
Solid Waste Section Supervisor

From: Julia Boesch

Date: March 5, 1998

Subject: Review Memorandum  
Trail Ridge Landfill - Request for Permit Modification  
DEP File Number 0013493-003  
Duval County - Solid Waste

---

The following comments are a result of the review of the submittal in response to the Department's January 20, 1998 request for additional information:

- 1 & 2. FAC Rule 62-701.400 states, "Ditches, berms, or other devices shall be installed to control any leachate runoff." Your proposal does not appear to include such devices. Please propose to construct and maintain such devices to contain leachate within the working face. Please include in your response the dimensions of said devices.
- 3-13. Responses are adequate to develop specific conditions.
14. From reviewing your printouts, it appears that you utilized the default data, which is for five years (1974-1978), without doing any simulations. Please note that the HELP Model manual, section 3.2.2, "Precipitation Data," indicates that the default data may not be representative and suggests determining if it is or not and also suggests running simulations for more than five (5) years. Therefore, please rerun the model simulating over a period longer than 5 years. Please provide the printout.
15. Please reevaluate the maximum amount of leachate that may be recirculated based on running the HELP model program utilizing the precipitation data as requested in item number 14.

Please note that the Department is of the opinion that your modeling of the system, i.e., one hole per acre for liner pinhole density and installation defects and "excellent" liner placement, is not conservative.

**Principals**

James E. England, P.E., Pres.  
Robert E. Thims, Exec. V.P.  
Douglas C. Miller, P.E., Exec. V.P.  
N. Hugh Mathews, P.E., Exec. V.P.

February 13, 1998

Ms. Mary C. Nogas, P.E.  
Solid Waste Section Supervisor  
Department of Environmental Protection  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

RECEIVED

FEB 17 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Reference: Trail Ridge Landfill  
DEP Permit Number 0013493-002-SC (DEP File Number 0013493-003)  
ET&M No. E94-51

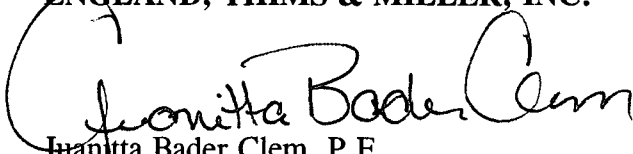
Dear Ms. Nogas:

In accordance with Specific Conditions 41.e. and 41.f. of the referenced permit, please find herein four (4) signed and sealed copies of the ground water monitoring well survey for Trail Ridge Landfill. This survey was prepared by Sunshine State Surveyors, Inc.

If you have any questions or require additional copies of the survey, please feel free to give me a call.

Sincerely,

ENGLAND, THIMS & MILLER, INC.



Juanitta Bader Clem, P.E.  
Vice President

Attachment

cc: Greg Mathes w/attachment  
Achaya Kelapenda w/attachment  
Chris Pearson w/attachment  
Ken Karably w/attachment

**1 OVERSIZED  
MAP SCANNED  
SEPERATELY**



Trail Ridge Landfill, Inc.  
5110 U.S. Highway 301  
Baldwin, Florida 32234  
904/289-9100  
Fax: 904/289-9013

January 30, 1998

RECEIVED

FEB 2 - 1998

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Ms. Mary C. Nogas, P.E.  
Florida Department of Environmental Protection  
Northeast District  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

**RE: Trail Ridge Landfill  
Groundwater, Leachate, and Surface Water Monitoring Event Notification  
First Semi-Annual Event, 1998  
FDEP Permit: 0013493-002-SC  
I.D. Number: GMS3116PO2787**

Dear Ms. Nogas:

In accordance with Chapter 62-701.510 (9) (a) F.A.C., this letter serves to inform you that we will be conducting water quality sampling for the first 1998 semi-annual monitoring event at Trail Ridge Landfill during the third week of February 1998. Samples will be collected by Professional Technical Support Services, Inc. (ProTech), and transported to Columbia Analytical Services, Inc. in Jacksonville, Florida for analysis.

If you have any questions, please feel free to contact me at 289-9100.

Sincerely,

A handwritten signature in black ink, appearing to read 'Achaya Kelapanda', is written over a horizontal line.

Achaya Kelapanda  
Environmental Engineer

cc: Greg Mathes, Trail Ridge Landfill, Inc.  
Chris Pearson, City of Jacksonville



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

January 28, 1998

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

Duval County - Stormwater  
Modification of the Stormwater System  
Permit No. MS16-296691 to Solid Waste  
Permit No. SC16-184444

Dear Mr. Maths:

On January 26, 1998, the Department conducted an inspection of the stormwater system located adjacent to the Trail Ridge Landfill. After reviewing the as-built plan submitted to the Department along with the review of the permit and associated construction plans and calculations, the Department finds that the constructed modification of the stormwater system is in compliance with Chapter 373, Florida Statutes, Chapters 40C-4 and 40C-42, F.A.C.



It is the Department's understanding that the permit will now move into the operational phase with Trail Ridge Landfill, Inc. being the responsible entity for the operation and maintenance of the stormwater system. It is the responsibility of Trail Ridge Landfill, Inc. to meet all conditions of the permit and provide information on monitoring to the Department as required by the permit. This information is to be submitted to the stormwater engineer.

If you have any questions, please feel free to call me at (904) 448-4340, extension 345.

Sincerely,

Reza Shayan, E.I.  
Stormwater Compliance Engineer

RS/lgb

cc: Juanita Bader-Clem, P.E.  
Jeremy Tyler  
David Apple   
Mary Nogas 

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



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

January 28, 1998

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

Dear Mr. Mathes:

Trail Ridge Landfill  
Closure Construction Certification for Side Slope Units 1-4 (Partial), 7-8 (Partial), 12-17 (Partial) and 18-20  
DEP Permit Number 0013493-002-SC  
Duval County - Solid Waste

The Department acknowledges receipt of the following documents submitted to comply with the requirements of the subject permit and the requirements of Florida Administrative Code Chapter 62-701:

1. "Trail Ridge Landfill Incremental Closure Quality Assurance and Quality Control Documentation for Units 1-4 (Partial), 7-8 (Partial), 12-17 (Partial) and 18-20," prepared by England-Thims and Miller, Inc., and LAW Engineering and Environmental Services, Inc., dated December 5, 1997;
2. "Certification of Construction Completion of a Solid Waste Management Facility," signed and sealed on December 3, 1997 by Juanitta Bader Clem, P. E., received December 5, 1997; and
3. "Specific As-Built Survey of Trail Ridge Landfill Incremental Closure," prepared by Sunshine State Surveyors, Inc., signed and sealed on October 3, 1997 by Joseph Leslie Reynolds III, Registered Surveyor.

In addition, Department staff conducted a closure construction completion inspection of the subject side slope units on January 26, 1998. Based on the review of the above documents and the result of the inspection, closure construction of the subject side slope units, including construction of active gas extraction well numbers W-5, W-8, W-9, W-10 W-17, W-18, W-25 and W-35, has been found acceptable. The Permittee shall maintain the integrity of the side slope units, extraction wells and all associated structures as part of the facility's normal operation. Please contact me at the above letterhead address or at telephone number (904) 448-4320, if you have any questions regarding this matter.

Sincerely,

Mary C. Nogas, P. E.  
Solid Waste Section Supervisor

MCN:fd

cc: Juanitta Bader Clem, P. E.

Fred Wick, DEP, Tallahassee

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

*Printed on recycled paper.*

**England-Thims & Miller, Inc.**

Consulting &amp; Design Engineers

3131 St. Johns Bluff Road So. Jacksonville, FL 32246

(904) 642-8990

## PRINCIPALS

James E. England, P.E., President

Robert E. Thims, V. Pres., Sca.

Douglas C. Miller, P.E., V. Pres.

N. Hugh Mathews, P.E., V. Pres.

## TELECOPIER TRANSMITTAL LETTER

DATE: 1/27/98  
TO: Francis Dwyer  
ATTENTION: \_\_\_\_\_  
FROM: Juanita Clem  
REFERENCE: Trail Ridge LF  
PROJECT NO: 96-92-4

Dear Francis:

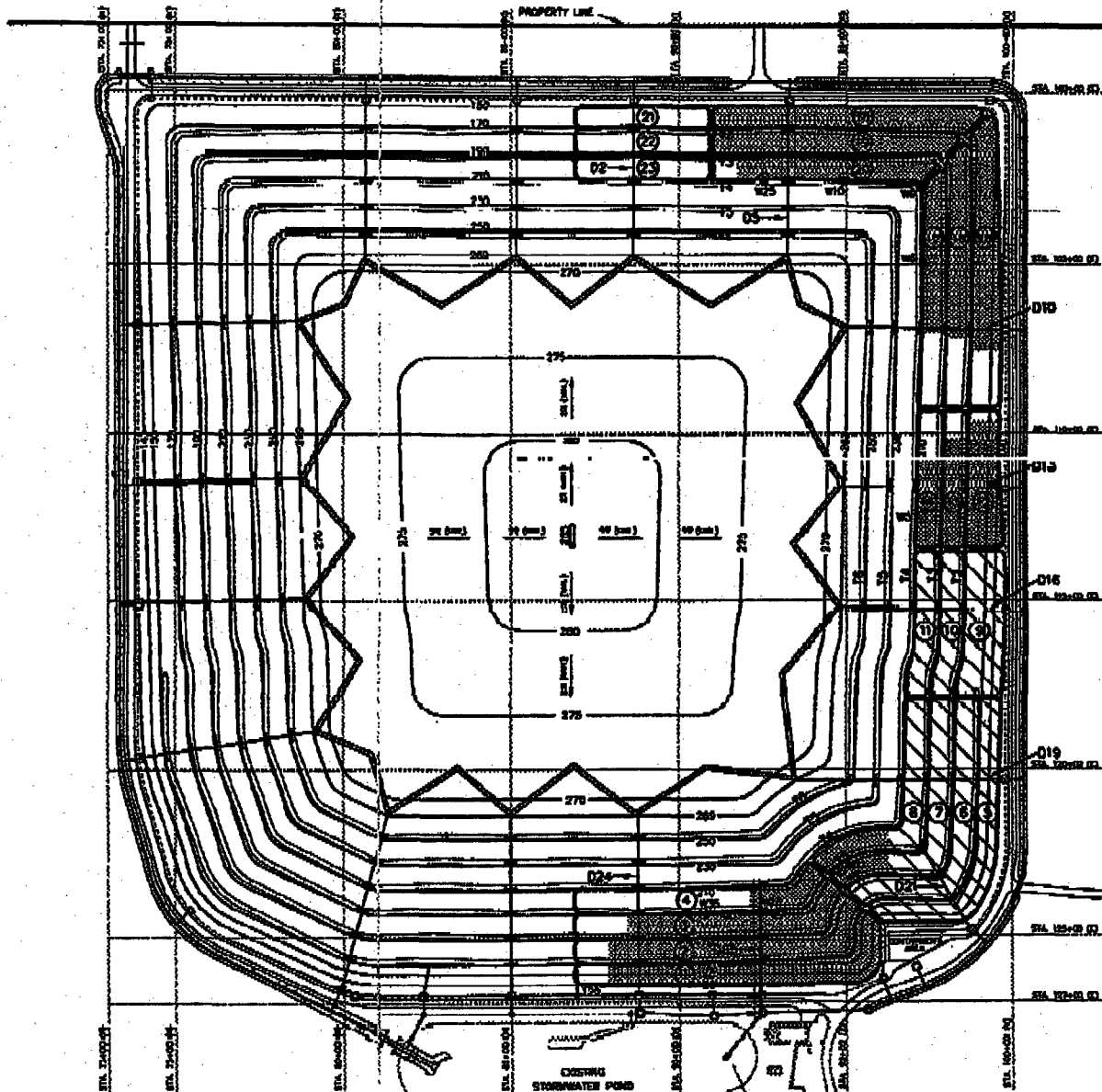
I have drafted an exhibit  
for your letter as promised.  
Please review it and give  
me a call.

Thank you,Juanita

WE ARE TRANSMITTING 2 PAGES, INCLUDING COVER PAGE. IF YOU DO NOT  
RECEIVE ALL PAGES OR HAVE DIFFICULTY READING THIS DOCUMENT, PLEASE CALL  
US IMMEDIATELY AT (904) 642-8990.

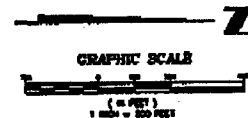
ENGLAND, THIMS &amp; MILLER, INC. TELECOPIER NUMBER (904) 646-9485.





CLOSED AREA (THIS PROJECT)

PREVIOUSLY CLOSED AREA



**England-Thims  
& Miller, Inc.**

ENGINEERS - PLANNERS  
SURVEYORS - LANDSCAPE ARCHITECTS  
3131 St. Johns Bluff Road South  
Jacksonville, Florida  
Phone No. (904) 642-8990  
Fax No. (904) 646-9485

## CLOSURE UNITS

INCREMENTAL CLOSURE  
FOR  
TRAIL RIDGE LANDFILL, INC.

ETM. NO. E 96-92

DATE: JANUARY 27, 1998

SCALE: 1" = 500'

DRAWING NO: 1

January 29, 1998

RECEIVED

JAN 29 1998

**Principals**

James E. England, P.E., Pres.  
Robert E. Thims, Exec. V.P.  
Douglas C. Miller, P.E., Exec. V.P.  
N. Hugh Mathews, P.E., Exec. V.P.

Ms. Mary C. Nogas, P.E.  
Waste Management Section  
Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

Reference: Trail Ridge Landfill - Incremental Closure  
Side Slope Units 1-4 (Partial), 7-8 (Partial), 12-17 (Partial) and 18-20  
FDEP Permit No. SC16-184444  
ET&M No. E96-92-4


Dear Ms. Nogas:

Pursuant to our telephone conversation, please find herein four (4) copies of the Closure Unit Plan for the incremental closure of the referenced project.

I hope this plan will be helpful to you. If you require additional copies, please feel free to give me a call.

Sincerely,

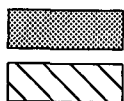
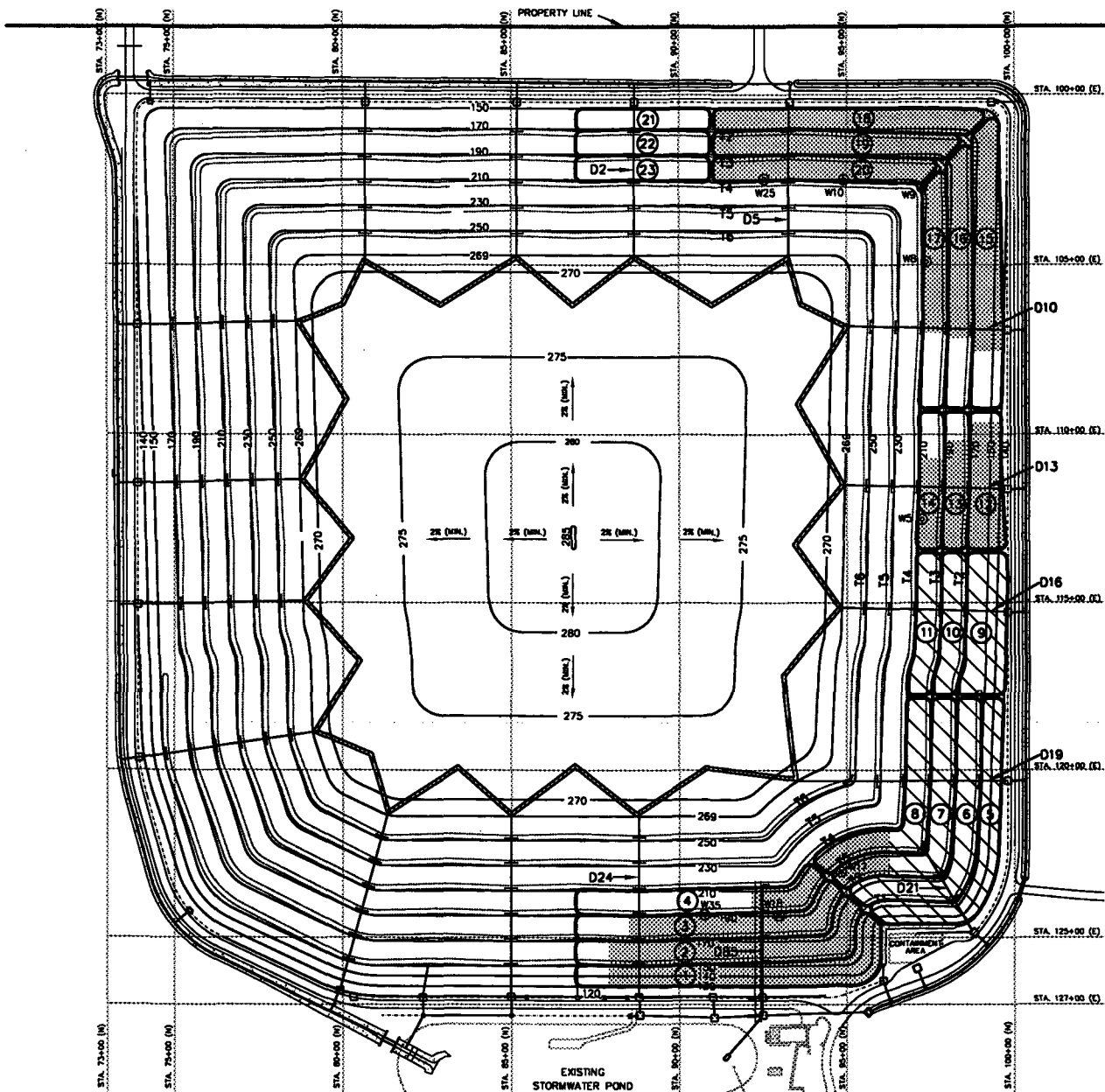
ENGLAND, THIMS & MILLER, INC.



Juanita Bader Clem, P.E.  
Vice President

attachment

cc: Greg Mathes  
Achaya Kelapenda  
Chris Pearson



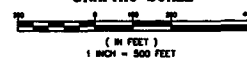
CLOSED AREA (THIS PROJECT)

PREVIOUSLY CLOSED AREA

RECEIVED

JAN 29 1998

GRAPHIC SCALE



DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT, NY



**England-Thimms  
& Miller, Inc.**  
ENGINEERS - PLANNERS  
SURVEYORS - LANDSCAPE ARCHITECTS  
3131 St. Johns Bluff Road South  
Jacksonville, Florida  
Phone No. (904) 642-8990  
Fax No. (904) 646-9485

## CLOSURE UNITS

INCREMENTAL CLOSURE  
FOR  
TRAIL RIDGE LANDFILL, INC.

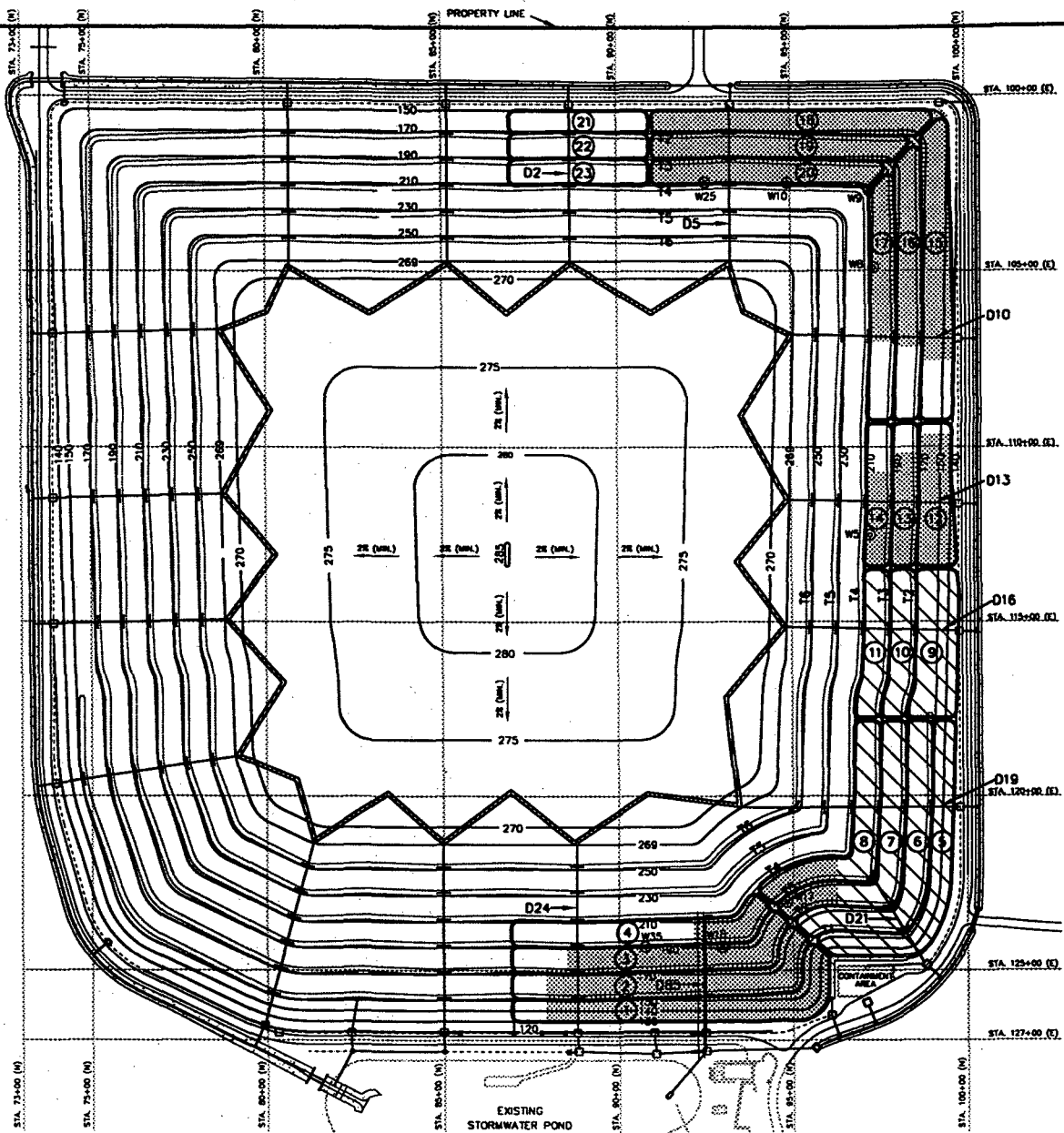
ETM. NO. E 96-92



DATE: JANUARY 27, 1998

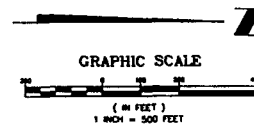
SCALE: 1" = 500'

DRAWING NO: 1





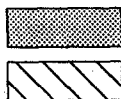
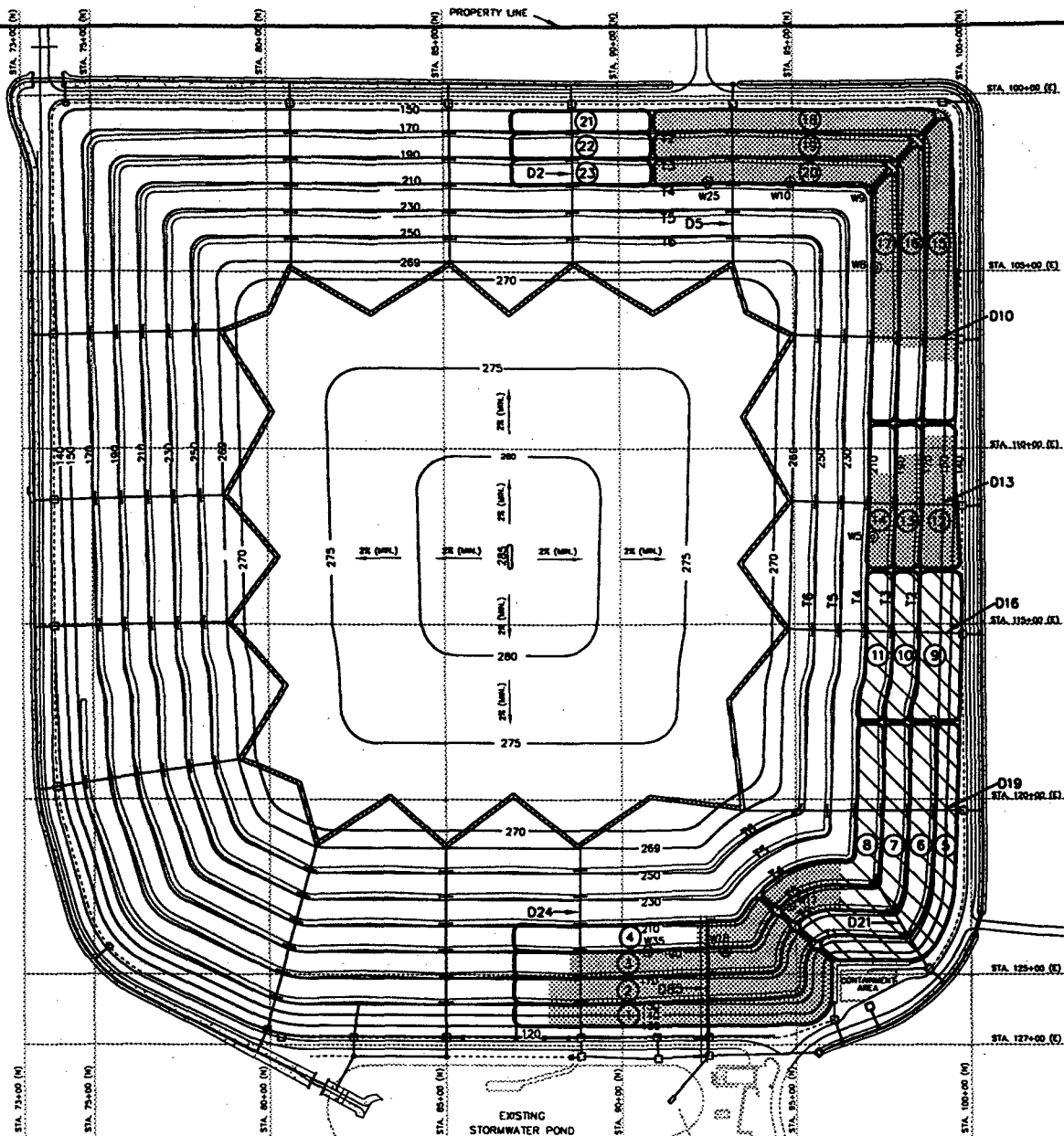
 CLOSED AREA (THIS PROJECT)  
 PREVIOUSLY CLOSED AREA



**England-Thimys & Miller, Inc.**  
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# CLOSURE UNITS INCREMENTAL CLOSURE FOR TRAIL RIDGE LANDFILL, INC.

ETM. NO. E 96-92  
 DATE: JANUARY 27, 1998  
 SCALE: 1" = 500'  
 DRAWING NO: 1



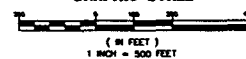
CLOSED AREA (THIS PROJECT)

PREVIOUSLY CLOSED AREA

RECEIVED

JAN 29 1998

GRAPHIC SCALE



DEPT. OF ENV.  
NORTHEAST DISTRICT



**England-Thimms  
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**CLOSURE UNITS**

**INCREMENTAL CLOSURE  
FOR  
TRAIL RIDGE LANDFILL, INC.**

ETM. NO. E 96-92

DATE: JANUARY 27, 1998

SCALE: 1" = 500'

DRAWING NO: 1

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. ☐ Addressee's Address
- 2. ☐ Restricted Delivery

Consult postmaster for fee.

**RECEIVED**

3. Article Addressed to:

Juanita Clem  
England, Thim's Mill  
3131 St. John's  
JACKSONVILLE, FL 32211  
JAN 23 1998  
DEPT. OF ENVIRONMENTAL PROTECTION  
NORTHEAST DISTRICT - JAX

4a. Article Number

394 428 795

4b. Service Type

- ☐ Registered
- ☐ Certified
- ☐ Express Mail
- ☐ Insured
- ☐ Return Receipt for Merchandise
- ☐ COD

7. Date of Delivery

12/2/97

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

JW

5. Received By: (Print Name)

J. Heuse

6. Signature: (Addressee or Agent)

X

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

P 394 428 795

US Postal Service

**Receipt for Certified Mail**

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, April 1995



# Department of Environmental Protection

Lawton Chiles  
Governor

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

Virginia B. Wetherell  
Secretary

January 20, 1998

## CERTIFIED - RETURN RECEIPT

Ms. Juanitta Clem, Vice President  
England, Thims and Miller, Inc.  
3131 St. Johns Bluff Road  
Jacksonville, Florida 32246

Dear Ms. Clem:

Trail Ridge Landfill  
Application for a Minor Permit Modification - Leachate Recirculation  
DEP Permit Number 0013493-002-SC  
DEP File Number 0013493-003  
Request for Additional Information  
Duval County - Solid Waste

The Department has completed review of the application for permit modification received on December 23, 1997. The following review is enclosed:

Attachment 1, Review Memorandum dated January 20, 1998, prepared by Francis Dayao

The information requested in this review is required in order for the Department to proceed with the processing of the application for permit modification. Please provide the requested information by February 19, 1998. Further action will be delayed until the requested information has been received in this office. Please reference the associated DEP file number in all correspondence concerning this application for permit modification. Please call me at telephone number (904) 448-4320, if you have any questions regarding this matter.

Sincerely,

Mary C. Nogas, P. E.  
Solid Waste Section Supervisor

MCN:fd

Enclosure

cc: Greg Mathes

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

*Printed on recycled paper.*



**DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**INTEROFFICE MEMORANDUM**

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To: Files

Through: Mary C. Nogas, P. E.  
Solid Waste Section Supervisor

From: Francis Dayao

Date: January 20, 1998

Subject: Review Memorandum  
Trail Ridge Landfill - Request for Permit Modification  
DEP File Number 0013493-003  
Duval County - Solid Waste

---

The following comments are a result of the review of the application for permit modification for leachate recirculation, received December 23, 1997:

1. Please note, should this permit modification be approved, leachate recirculation will be conducted in accordance with Florida Administrative Code Rule 62-701.400(5).
2. The Department understands that leachate recirculation will only be conducted within the active working face. Please confirm or deny. If leachate recirculation will be limited to the working face, please discuss what procedures will be taken to ensure that leachate runoff will be effectively controlled when the active working face is located along the sideslopes.
3. As part of the Operation Plan, please provide an outline of the leachate recirculation process that will serve as the standard operating procedure for recirculating leachate at the facility.
4. Please discuss whether or not the mobile tank will be used solely for transporting leachate to the working face. Please note that the leachate mobile tank will not be used to store leachate
5. Please note, should this application for permit modification be approved, the facility, as part of the reporting requirements of Specific Condition Number 43 b., will be required to record the amount of leachate recirculated.
6. Is the mobile tank equipped with a flowmeter? If it does not have a flowmeter, please discuss how the facility will keep track of the amount of leachate that is going to be recirculated.

Review Memorandum

January 20, 1998

Page two

7. Although the HELP Model is an effective tool of predicting how much head will be expected as a result of recirculating leachate, how will the facility (from an operations standpoint) determine whether or not the leachate collection system is actually flooded? Or, what would be a good indication that there is a problem with the system? What corrective actions will be taken if the system gets flooded?
8. Please note that a specific condition will be included in the permit that will limit the amount of leachate that can be recirculated on a daily basis.
9. Please note that leachate that tests hazardous cannot be recirculated back into the landfill.
10. The HELP Model (2nd increment) utilized a solid waste thickness of 15 feet (180 inches). Does this mean that leachate will be recirculated only if the active working face has at least 15 feet of in-place compacted waste?
11. For Layers 3 and 5, drainage lengths of 200 feet (2nd increment) and 150 feet (1st increment) were utilized in the HELP Model, respectively; please discuss how these values were achieved.
12. For Layers 3 and 5, a slope of 1.93 percent was utilized in the HELP Model; please discuss how this value was achieved.
13. Please justify the values utilized for the following: (1) fraction of area allowing runoff - 95 percent (since this value directly affects the head on layer 4), and (2) area projected on horizontal plane - 36 acres. Please provide the results of the HELP Model using 1 acre for the area projected on the horizontal plane.
14. Please explain why the HELP Model simulation was only for 5 years.
15. Based on the HELP Model, please specify the maximum amount of leachate that may be recirculated in gallons per acre per day. Once the maximum amount has been established, please provide a table showing the maximum amount of leachate that may be recirculated based on the actual size of the working face.



# Department of Environmental Protection

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

JAN 12 1998

DEP Form # 62-711.900(4)

Form Title Waste Tire Processing Facility Quarterly Report

Effective Date January 28, 1998

DEP Application No. \_\_\_\_\_

(Filled in by DEP)

DEPT. OF ENV. PROTECTION  
NORTHEAST DISTRICT - JAX

## Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report: 10/1/97 - 12/31/97 (First quarter begins on January 1 of any given year)

1. Facility name: TRAIL RIDGE LANDFILL
2. Facility mailing address: 5110 U.S. HIGHWAY 301  
City: BALDWIN County: DUVAL Zip: 32234
3. Facility permit number: 0013493-002-SC
4. Facility telephone number: ( 904 ) 289-9100
5. Authorized person preparing report: ACHAYA KELAPANDA
6. Affiliation with facility: ENVIRONMENTAL ENGINEER
7. Telephone number (if different from above): (        )

8. Activity: Report in tons.

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires	-0-	168	-0-				168
Other whole tires							
Processed tires							
Processing Waste							
Other							
Total	-0-	168	-0-				168

a. Explain all inventory adjustments. \_\_\_\_\_

b. List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? \_\_\_\_\_

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach additional sheets, if necessary. \_\_\_\_\_

9. Certification:

To the best of my knowledge and belief, I certify the information provided in this report is true, accurate and complete.

ACHAYA KELAPANDA

Name of Authorized Agent

[Signature]  
Signature of Authorized Agent

JANUARY 8, 1998

Date

Mail complete form to  
the appropriate district office

Page 1 of 1

ATTACHMENT 7