

Trail Ridge Landfill, Inc.
5110 U.S. Highway 301
P.O. Box 548
Baldwin, Florida 32234
904/289-9100

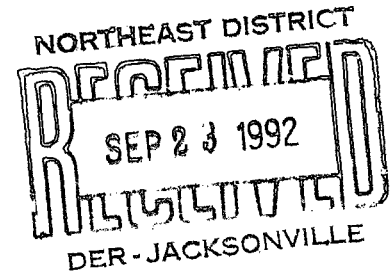


A Waste Management Company

SC

33628

September 18, 1992



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

3116P02781 *M*

Re: Trail Ridge Landfill
Permit # SC16-184444
Minor Modification - Tire Processing Facility

Dear Ms. Nogas,

I hereby request a minor modification to the above referenced permit. The modification will incorporate a Waste Tire Processing Facility into the solid waste management facility.

The enclosed application and supporting documents were in accordance with F.A.C. 17-711. No fee is required for this modification.

If you have any questions concerning this matter, please call.

Sincerely,

Tom Nelson
General Manager

TN:mm

cc: Jim Lukens
Doug Miller - ETM

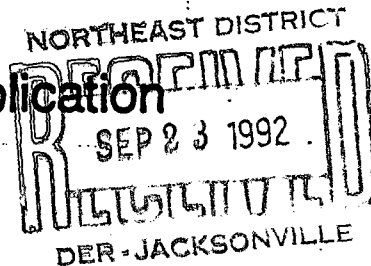


Florida Department of Environmental Regulation

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

DER Form # 17-711.00009
Form Title: Waste Tire Processing Facility Permit App.
Effective Date: February 22, 1989
DER Application No. _____ (Filed in by DER)

Waste Tire Processing Facility Permit Application



1. Facility information:

Facility name: Trail Ridge Landfill, Inc.
Street address (main entrance): 5110 U.S. Hwy 301
City Baldwin County Florida Zip 32234
Mailing address: P.O. Box 548
City Baldwin State Florida Zip 32234
Telephone number: (904) 289-9100
Location: Section 18,19,20,21 Township 3S Range 23E
Latitude 30° 14' 00" Longitude 82° 02' 30"

2. Application type (check appropriate box):

- ☐ Proposed new facility.
☐ Existing unpermitted facility.
☐ Renewal of permitted facility. Permit number _____
☒ Modification of permitted facility. Permit number SC16-184444
☐ Other. Explain _____

3. Facility type (check appropriate box):

- ☐ Waste tire processing facility.
☐ Waste tire processing facility with on-site disposal of processed tires or processing residuals.
☒ Permitted solid waste management facility modification to allow waste tire site and processing.

4. Property owner information:

Owner's name: City of Jacksonville
Owner's mailing address: 219 Newnan Street
City Jacksonville State FL Zip 32202-3225
Owner's telephone number: (904) 630-1636
Ownership type (check appropriate box): ☐ Individual ☐ Partnership ☐ Corporation ☒ Government
☐ Other, explain _____

DER Form 4, 17-711.902(6)
Form Title: Waste Tire Processing Facility Permit Ap.
Effective Date: February 22, 1999
DER Application No. _____ (Filed in by DER)

Facility operator information (if different from owner):

Operator's name: Trail Ridge Landfill, Inc.

Operator's mailing address: P.O. Box 548

City Baldwin State FL Zip 32234

Operator's telephone number: (904) 289-9100

Operator's type (check appropriate box): ☐ Individual ☐ Partnership ☒ Corporation ☐ Government

☐ Other, explain _____

Preparer of application:

Name of person preparing application: Jim Lukens

Mailing address: P.O. Box 548

City Baldwin State FL Zip 32234

Telephone: (904) 289-9100

Affiliation with facility: Site Engineer

Type of processing facility (check as many as apply):

☒ Shredder ☐ Cutter ☐ Chopper ☐ Incinerator only ☐ Incinerator with energy recovery ☐ Pyrolysis

☐ Other, explain _____

Required attachments: *Information submitted in landfill application Permit #SC16-184444

Please include the following information items in the application or give an explanation, if they are not applicable

A. Facility design.

NOTE: All maps, plan sheets, drawings, isometrics, cross sections, or aerial photographs shall be legible; be signed and sealed by a registered professional engineer responsible for their preparation; be of appropriate scale to show clearly all required details; be numbered, referenced to narrative, titled, have a legend of symbols used, contain horizontal and vertical scales (where applicable), and specify drafting or origination dates; and use uniform scales as much as possible, contain a north arrow and use NGVD for all elevations.

- * 1) A topographic or section map of the facility, including the surrounding area for one mile, no more than one year old, showing land use and zoning within one mile of the facility.
- * 2) Evidence that the facility is in conformance with local zoning.
- 3) A plot plan of the facility on a scale of not less than one inch equals 200 feet. At a minimum, the plot plan shall include:
 - a) The facility design, including the location and size of all storage and processing areas for waste tires, processed tires, and residuals from processing;
 - b) All wetlands and water bodies;
 - c) Stormwater control measures, including ditches, dikes and other structures;
 - * d) Legal boundaries, easements and rights of way;
 - N/A e) Location of all wells, operating and abandoned;
 - * f) All structures and buildings that are or will be constructed at the facility; include those used in storage and processing operations;
 - g) All areas used for loading and unloading;
 - h) All access roads and internal roads, including fire lanes;
 - * i) Location of all fences, gates, and other access control measures; and
 - * j) Location of all processed tire or residual disposal areas.

DER Form #	17-711.800(6)
Form Title	Waste Tire Processing Facility Permit App
Effective Date	February 22, 1988
DER Application No.	(Filled in by DER)

N/A 4) A completed application to construct a resource recovery and management facility for any disposal areas (DER Form 17-7.130(1), 12/10/85) must be submitted along with this application, if processed tires or processing residuals will be disposed of at the facility and the facility is not currently permitted as a solid waste management facility.

5) A completed solid waste volume reduction facility data form (DER Form 17-7.130(1), 12/10/85).

B. Facility Operation.

1) Description of the facility's operation, including how waste tires and processed tires will be collected, stored and processed.

2) Description of how each of storage requirements of Rule 17-711.540, F.A.C., will be met.

3) Copy of the emergency preparedness manual for the facility.

4) Copy of the fire safety survey.

5) Description of how 75% of the annual accumulation of waste tires and processed tires will be processed and removed for disposal or recycling.

C. Completed closure plan for the facility as required by Rule 17-711.700(2) and (3), F.A.C.

*D. Attach proof of financial responsibility as required by Rule 17-711.510(2), F.A.C.

N/AE. Attach permit fee required pursuant to Rule 17-141, F.A.C.

9. Indicate the quantities of waste tires and processed tires, expressed in tons, stored at the facility:

	Current Storage (tons)	Storage Area (sq. ft.)	Maximum Storage (tons)
Waste tires	<u>280</u>	<u>30,000</u>	<u>3,400</u>
Processed tires	<u>0</u>	<u>0</u>	<u>0</u>
TOTALS	<u>280</u>	<u>30,000</u>	<u>3,400</u>

10. Facilities that will not be disposing of processed tires or processing residual on the facility site must indicate the permitted solid waste management facility where processed tires or residuals will be disposed.

Name of facility N/A Processed tires disposed of onsite

Street address _____

City _____ County _____ Zip _____

11. Facilities that will be delivering processed tires to a recycling facility must describe the existing or proposed markets for processed tires.

N/A Processed tires disposed or recycled onsite

DER Form #	17-711.900(6)
Form Title	Waste Tire Processing Facility Permit Ap.
Effective Date	February 22, 1989
DER Application No.	(Filed in by DER)

12. Certification:

A. Applicant.

The undersigned applicant or authorized representative of Trail Ridge Landfill, Inc.
is aware that statements made in this form and attached information are an application for a Waste Tire Process
Permit from the Florida Department of Environmental Regulation and certifies that the information in this application is true,
correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to comply with the provisions
of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the permit is not transfer-
able, and the Department will be notified prior to the sale or legal transfer of the facility.



Signature of Applicant or Agent

Tom Nelson, Div. President and 9-3-92
Name and Title Gen. Manager Date

Attach letter of authorization if agent is not a governmental official, owner or corporate officer.

B. Professional Engineer registered in Florida.

This is to certify that the engineering features of this waste tire processing facility have been designed/examined by me and
found to conform to engineering principals applicable to such facilities. In my professional judgement, this facility, when
properly maintained and operated will comply with all applicable statutes of the State of Florida and rules of the Depart-
ment. It is agreed that the undersigned will provide the applicant with a set of instructions for proper maintenance and
operation of the facility.

 9-22-92
Signature
Douglas C. Miller, P.E.
Name and title

22389
Florida Registration Number

3131 St. Johns Bluff Road
Mailing address
Jacksonville, FL 32216
City, State, Zip
904/642-8990
Telephone number

(Please affix seal)

Mail completed form to
appropriate district office
listed on page 1.

**SOLID WASTE VOLUME REDUCTION AND
RESOURCE RECOVERY FACILITY DATA FORM**

Permit No.: SC16-184444 Issue Date: 12-24-91 Expires: 12-24-96

Facility No. (DER Identification): GMS3116P03090

DER ACTION: ☐ Add ☐ Delete ☒ Change ☐ Deactivate Site ☐ Other

1. County <u>Duval</u>		2. Site Name <u>Trail Ridge Landfill</u>	
3. Date Form Completed <u>9/16/92</u>		4. Facility Address <u>5110 U.S. Hwy 301, Baldwin, FL</u>	
4a. Facility Phone No. <u>904/289-9100</u>		4b. Facility Site Supervisor <u>Tom Nelson</u>	
5a. <u>30 14 00</u> Latitude	<u>82 02 30</u> Longitude	5b. <u>18, 18, 20, 21</u> Township	<u>3S</u> Range
		<u>23E</u> Section	
6. Operating Authority Name <u>Trail Ridge Landfill, INC</u>		8. Operating Authority Address <u>5110 U.S. Hwy 301</u>	
7. Phone Number <u>904/289-9100</u>		<u>Baldwin, FL 32234</u>	
9. Owner of Site Property (if different from Operator) <u>City of Jacksonville</u>		11. Address of Owner <u>37-2 W. 1st St.</u>	
10. Phone Number of Owner <u>904/630-0973</u>		<u>Jacksonville, FL 32206</u>	
12. Facility Type (check one or more)			
<input type="checkbox"/> Incinerator Only <input type="checkbox"/> Biomass Gas Production <input type="checkbox"/> Pyrolysis <input checked="" type="checkbox"/> Other: <u>Tire Process</u> <input type="checkbox"/> Sludge Concentration <input type="checkbox"/> Baler (compactor) <input type="checkbox"/> Composting Plant <input type="checkbox"/> Transfer Station <input type="checkbox"/> Waterwall Incinerator <input type="checkbox"/> Shredder (pulverizer)			
13. Month/Year Begun <u>9/92</u>		14. Disposal Area <u>NA</u> Acres	
15. Population Served <u>680,000</u>			
16. Expected Useful Lifetime <u>20</u> Years		17. Weighing Scales <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
18. Waste Processed Per Operational Day <u>100</u> tons/gal/yd			
19. Charge/ <u>\$191/ton</u>		20. Days Operated <u>S M T W T F S</u>	
21. Hours/Day Operated <u>14</u>			
22. Maximum Processing Rate <u>100</u> tons/day			
23. Material Recovered, Tons/Week			
<u> </u> Paper <u> </u> Glass Other: <u>Tires</u> <u> </u> Ferrous Metals <u> </u> Non-Ferrous Metals <u> </u> Aluminum <u> </u> Plastics <u>600 Tons per week</u>			
24. Energy Recovery, in units shown <u>NA</u>			
<u> </u> High Pressure Steam-lb/hr <u> </u> Chilled Water-gal/hr <u> </u> Gas-ft ³ /hr <u> </u> Low Pressure Steam-lb/hr <u> </u> Oil-gal/hr <u> </u> Gas-BTU/hr <u> </u> Electricity-kw/hr <u> </u> Oil-BTU/hr Other: <u>NA</u>			
25. Process Water Recycled <u>NA</u> <input type="checkbox"/> Yes <input type="checkbox"/> No Treatment Method Used <u>NA</u>			
Discharged to: <input checked="" type="checkbox"/> Surface Waters <input type="checkbox"/> Underground		Class Receiving Water	
26. Final Residue is <u>25 % of waste intake (vol)</u> Residue is disposed of at (Site Name) <u>Trail Ridge Landfill</u>			
27. Supplementary Fuel Used <u>NA</u>			
Type		Quantity Used/Hour	
28. Estimated Operating Costs Material - Energy Revenue \$ <u>NA</u>		Total Cost/Ton \$	Net Cost/Ton \$
29. Number of Staff <u>1-3</u>		30. State Pollution Control Bond Financing Amount \$ <u>NA</u>	
		31. Estimated Amount of Tax Exemptions that will be Requested \$ <u>NA</u>	
32. Name and Title of Person Completing Form <u>James M. Lukens, Staff Engineer</u>			

Note: All blanks must be filled or marked as not applicable.

1. Introduction

Trail Ridge Landfill, Inc. intends to construct and operate a waste tire processing facility in accordance with the requirements of 17-711.530 F.A.C. within the property boundaries of the Solid Waste Management Facility permitted under FDER Permit No. SC16-184444 issued December 24, 1991 and expiring on December 24, 1996. The operation plan under the existing solid waste management permit includes the construction and operation of a waste tire storage facility. It is the intent of this application to incorporate a waste tire processing facility into the existing solid waste management permit.

2. Construction of Facility

The waste tire processing facility will be constructed on a parcel of land south of the non contract drop off area and east of the operations building that serves the solid waste management facility. In compliance with 17-711.540(2)(a) F.A.C., the facility is designed with a stormwater management system because it is located within 200 feet of wetlands. The stormwater control methods meet the stormwater requirements of 17-25 F.A.C. and help maintain water quality standards specified in Chapters 17-3 and 17-302, F.A.C. The stormwater management system for the waste tire processing facility is incorporated into the stormwater management facility for the solid waste management facility.

The facility will be paved with asphalt or concrete and graded away from the wetlands towards a ditch, which will drain to the ancillary facility stormwater pond. A twelve inch concrete header curb will be constructed at the southeast corner to prevent discharge to the adjacent wetlands. This curb will also prevent liquid runoff from a potential tire fire from entering the wetlands.

3. Operations and Maintenance

The waste tires brought into the landfill site will be either homogenous loads or incidental to the solid waste loads. Those loads containing strictly waste tires will be directed to the waste tire processing facility and unloaded. Those tires discovered during unloading at the landfill active face will be picked out and loaded into roll-off containers. Upon reaching capacity, the rolloff containers will be brought to the waste tire processing facility.

The tires will be stored in accordance with 17-711.510 F.A.C. The storage will be limited to 30 times the daily through-put of the processing equipment. At least 75 percent of both the waste tires and processed tires that are delivered to or are contained on the site at the beginning of each calendar year will be processed and

The waste tire storage site shall be constructed, operated, and maintained in accordance with 17-711.540 F.A.C. The site shall be constructed, operated, and maintained to divert stormwater or floodwaters around and away from the storage piles.

Each storage piles will be no wider than 50 feet with an area no greater than 10,000 square feet and a height no greater than 15 feet. A 50 foot wide fire lane shall be maintained around the perimeters of each waste tire pile. Access to the fire lane for emergency vehicles shall be unobstructed at all times. Mosquitos and rodent shall be controlled in a manner to protect the public health and welfare.

An attendant shall be present at the waste tire site during the unloading of waste tires to ensure mixed loads are not deposited. The processed tires shall be disposed or recycled at the Class I permitted landfill. The processed tires shall meet the size requirements specified under 17-711.400(3)(b), F.A.C., i.e., the tire will be cut into at least eight substantially equal pieces for purposes of disposal.

4. Access, Signs and Security

The waste tire processing facility shall be accessed off the main access road to the solid waste management facility. The access is beyond the scalehouse through the non contract drop off area. The access road shall be kept passable for any type of motor vehicle at all times.

Signs shall be posted at the entrance to the solid waste management facility stating operating hours, costs of disposal, and site rules.

The property boundaries of the solid waste management facility, which encompasses the waste tire processing facility are fully fenced with a locking gate at the entrance and exit to prevent unauthorized access to the site.

5. Record Keeping

Records will be maintained of the quantity of waste tires and processed tires received at the site, stored at the site, and shipped from the site. Records shall also be maintained of the name and registration number of all waste tire collectors bringing in greater than 25 waste tires at any one time.

If more than five waste tires have been delivered at a time by a non-waste tire collector, a record shall be made of their name, address, telephone number, and number of tires delivered.

Annual reports shall be submitted to the Department by March 1 of each year on Form 17-711.900(4). The information required under

Annual reports shall be submitted to the Department by March 1 of each year on Form 17-711.900(4). The information required under 17-711.530(4) F.A.C. shall be include in the report.

6. Fire Protection

The tire site shall be kept free of grass, underbrush, and other potentially flammable vegetation. Fire protection for the site shall be assured through notification to local fire protection authorities. Communication equipment shall be maintained at the waste tire site to assure the site personnel can contact local fire protection authorities in case of fire. Fire extinguishers shall be conveniently accessible to the tire pile. No operation utilizing an open flame will be conducted within 25 feet of waste tire site.

7. Closure

Closure of the waste tire processing facility shall be in accordance with F.A.C. 17-711.700 F.A.C.

8. Financial Assurance

Financial responsibility for closure of the solid waste management facility is adequate to cover closure costs associated with the waste tire site. Therefore, no new documentation is submitted.

10. Permit Fee

No permit fee is required, as specified in 17-711.300(4) F.A.C.

Trail Ridge Landfill, Inc.
5110 U.S. Highway 301
P.O. Box 548
Baldwin, Florida 32234
904/289-9100



A Waste Management Company

EMERGENCY PREPAREDNESS MANUAL

TRAIL RIDGE LANDFILL TIRE STORAGE/PROCESSING AREA

1. IN EVENT OF A FIRE OR OTHER EMERGENCY, THE FOLLOWING PERSONS/AGENCIES WILL BE CONTACTED:

TRAIL RIDGE LANDFILL PERSONNEL TO BE CONTACTED:

MR. ELVIS MASON	(904) 289-7551
MR. TOM NELSON	(904) 771-3006
MR. JIM LUKENS	(904) 289-9100

FIRE DEPARTMENT:
PHONE: 911

DEPARTMENT OF ENVIRONMENTAL REGULATION
7825 BAYMEADOWS WAY
JACKSONVILLE, FLORIDA 32256
PHONE: (904) 448-4320

2. THE TIRE STORAGE/PROCESSING FACILITY IS LOCATED AT A CLASS I SANITARY LANDFILL, TRAIL RIDGE LANDFILL, WHICH IS FULLY EQUIPPED WITH BULLDOZERS, FRONT END LOADERS, SCRAPERS, AND OTHER SUCH EQUIPMENT AVAILABLE AT ALL TIMES FOR ANY EMERGENCY. THERE IS AN AMPLE STOCKPILE OF SOIL ON SITE FOR USE IN SMOTHERING A FIRE, IF ONE OCCURS.
3. IN EVENT OF A FIRE, THE FOLLOWING PROCEDURES WILL BE IMMEDIATELY IMPLEMENTED:
 - A) NOTIFY THE PERSONS/AGENCIES LISTED IN PART 1.
 - B) REINFORCE THE AREA WITH SOIL TO CONTAIN ANY RUNOFF AND USE TO EXTINGUISH FIRE IF NECESSARY.
 - C) EXTINGUISH THE FIRE WITH ON SITE EQUIPMENT AND STOCKPILE DIRT. ONLY PERSONNEL TRAINED IN FIRE SAFETY PROCEDURES WILL BE UTILIZED TO FIGHT FIRES.

D) A SPECIAL AND/OR HAZARDOUS WASTE CONTRACTOR WILL BE CONTACTED FOR CLEANUP AND DISPOSAL OF ANY RESIDUE GENERATED BY THE FIRE.

4. WITHIN TWO WEEKS OF THE EMERGENCY, A WRITTEN REPORT DESCRIBING THE EVENT WILL BE SENT TO THE DEPARTMENT OF ENVIRONMENTAL REGULATION AS A FOLLOWUP PROCEDURE. THE REPORT SHALL INCLUDE HOW OR WHY THE EMERGENCY OCCURRED, THE ACTIONS TAKEN TO REMEDIATE THE PROBLEM, AND A REVIEW OF THE SUCCESS OR FAILURE OF THE ACTIONS.