

Waste Tire Processing Facility Permit Application

Citrus County, Florida



Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

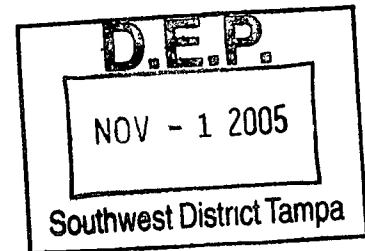
TDD Telephone (352) 527-5214

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

October 28, 2005

Certified/Return Receipt Requested
#7004 1350 0003 8688 4748

Mr. Steve Morgan
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Re: Waste Tire Processing Facility Permit Application

Dear Steve,

Attached is a Waste Tire Processing Facility Permit Application for Citrus County. Included with the application is a check for the \$1,250 permit application fee. Citrus County requests that FDEP accept this as a complete application as it is simply a renewal of an existing permitted facility.

If you have any questions please call me at 352-527-7670, or e-mail at Frank.Wentzel@bocc.citrus.fl.us.

Regards,

Frank Wentzel

FW/

CC: Susan Metcalfe, Director, Solid Waste Management Division
Carmen Bruno, Customer Service Crew Leader, Solid Waste Management Division



Department of Environmental Protection

DEP Form # 62-701 900(23)
Waste Tire Processing Facility
Form Title <u>Permit Application</u>
Effective Date <u>3/22/00</u>
DEP Application No _____ (Filled in by DEP)

Waste Tire Processing Facility Permit Application

Permit No 126602 - 001 WT

Renewal Modification Existing unpermitted facility Proposed new facility

Part I-General Information

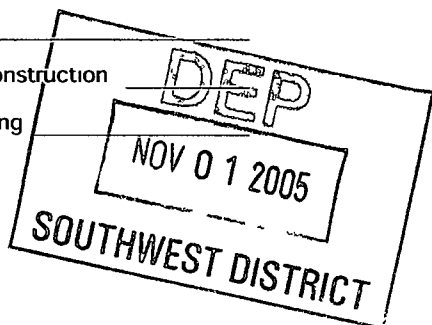
A Applicant Information

- 1 Applicant Name Citrus County Board of County Commissioners
- 2 Applicant Street Address 230 West Gulf to Lake Highway
- 3 City Lecanto County Citrus Zip 34461
- 4 Applicant Mailing Address P O Box 340
- 5 City Lecanto County Florida Zip 34460
- 6 Contact person Susan J Metcalfe Phone (352) 527-7670 FEID No 59-6000-548

7 Have any enforcement actions been taken by the Department against the applicant relating to the operation of any solid waste management facility in this state? This includes any Complaint, Notice of Violation, or revocation of a permit or registration, as well as any Consent Order in which a violation of Department rules is admitted. It does not include a Warning Letter, Warning Notice, Notice of Noncompliance, or other similar document which does not constitute agency action.
 Yes No If yes, attach a history and description of the enforcement actions Attachment 1

B Facility Information

- 1 Facility Name Citrus County Central Landfill
- 2 Facility Street Address (Main Entrance) 230 West Gulf to Lake Highway
- 3 City Lecanto County Citrus Zip 34461
- 4 Facility Mailing Address P O Box 340
- 5 City Lecanto State Florida Zip 34460
- 6 Contact Person Susan J Metcalfe Phone (352) 527-7670
- 7 Facility Location Coordinates
 Section 1 Township 19S Range 18E
 Latitude 28°51' 10" N Longitude 82°26' 40" W
- 8 Anticipated date for starting construction N/A and for completion of construction _____
- 9 Anticipated date for receipt of tires Currently Operating and for start of processing _____



Mail completed form to appropriate district office listed below

Northwest District
 60 Governmental Center
 Pensacola FL 32501-5794
 850-595-8360

Northeast District
 7825 Baymeadows Way Ste 200 B
 Jacksonville, FL 32256-7590
 904-448-4300

Central District
 3319 Maguire Blvd Ste 232
 Orlando FL 32803-3767
 407-894-7555

Southwest District
 3804 Coconut Palm Dr
 Tampa FL 33619
 813-744-6100

South District
 2295 Victoria Ave Ste 364
 Fort Myers FL 33902-2549
 941-332-6975

Southeast District
 400 North Congress Ave
 West Palm Beach FL 33401
 561 681-6600

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C Land Owner Information (if different from applicant)

- 1 Owner's name The site is owned by the applicant, the Citrus County Board of County Commissioners
- 2 Land owner's mailing address _____
- 3 City _____ State _____ Zip _____
- 4 Authorized Agent Susan Metcalfe Agent's phone (352) 527-7670
- 5 Current lease expires _____

D Facility Operator Information (if different from applicant)

- 1 Operator's name The site is operated by the applicant
- 2 Operator's mailing address _____
- 3 City _____ State _____ Zip _____
- 4 Contact person Susan Metcalfe Phone (352) 527-7670

E Preparer of Application

- 1 Name of person preparing application Susan Metcalfe
- 2 Mailing address P O Box 340
- 3 City Lecanto State Florida Zip 34460
- 4 Phone (352) 527-7670
- 5 Affiliation with facility Solid Waste Director

Part II-Operations

A Facility type (check appropriate box)

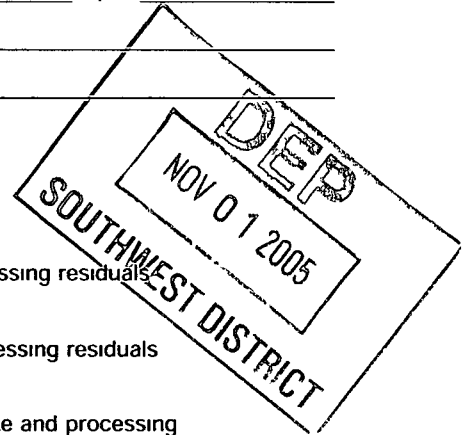
- Waste tire processing facility
- Waste tire processing facility with on-site disposal of processed tires or processing residuals
See Attachment _____
- Waste tire processing facility with on-site consumption of waste tires or processing residuals
See Attachment F
- Permitted solid waste management facility modification to allow waste tire site and processing

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

- Shredder Cutter Chopper Incinerator only Incinerator with energy recovery
- Pyrolysis Supplemental fuel user Other, explain Tires shipped to alternative fuel power plant

C Storage Indicate the maximum quantities of whole waste tires, processed waste tires, and processing residuals, expressed in tons, to be stored at the facility, in accordance with Rule 62-711 530(2), F A C

	Outdoor Storage(tons)	Outdoor Storage (sq ft)	Indoor Storage (tons)	Indoor Storage (sq ft)	Total Storage (tons)
Whole waste tires	<u>115</u>	<u>5,000</u>	_____	_____	<u>115</u>
Processed tires	_____	_____	_____	_____	_____
Processing residuals	_____	_____	_____	_____	_____
TOTALS	<u>115</u>	<u>5,000</u>	_____	_____	<u>115</u>



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D For reporting quantity of tires in tons, tires will be weighed on site weighed off site weights will be calculated

E 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

1 Name of facility Wheelabrator Ridge Energy, Inc

2 Street address 3131 K-ville Avenue

3 City Auburndale County Polk Zip 33823

F Facilities that will be delivering processed tires to consuming facilities must describe the existing or proposed markets for those processed tires
Wheelabrator burns the tires as fuel in an alternative fuel electric generation facility

Part III-Attachments

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 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 used tires, unprocessed waste tires, processed waste tires, and waste tire processing residuals,
 - b All wetlands and water bodies within the facility or within 200 feet of any storage area,
 - c Stormwater control measures, including ditches, dikes, and other structures,
 - d Boundaries of the facility, legal boundaries of the land containing the facility, and any easements or rights of way that are within the facility or within 200 feet of any storage area,
 - e Location, size, and depth of all wells within the facility or within 200 feet of any storage area,
 - 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 disposal areas within the facility

B Facility operation

- 1 A description of the facility's operation, process and products including how waste tires will be received and stored
- 2 A description of the equipment used for processing tires This description shall include the make, model, and hourly capacity of each piece of equipment
- 3 Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of
- 4 Statement of the maximum daily throughput and the planned daily and annual throughput
- 5 A description of how the operator will maintain compliance with each of the storage requirements of Rule 62-711 540, F A C
- 6 A copy of the emergency preparedness manual for the facility with a statement of the on site and off site locations where that manual will be maintained
- 7 A copy of the fire safety survey
- 8 A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling

C Completed closing plan for the facility as required by Rule 62-711 700(2) and (3), F A C

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- D Attach proof of financial responsibility as requirement by Rule 62-711 500(3) OR a calculation showing that financial assurance documents, currently on file with the Department, are sufficient to assure closing of the waste tire site as well as any other solid waste management facility at that location
- E A letter from the land owner (if different from applicant) authorizing use of the land as a waste tire processing facility
- F If waste tires will be consumed at the facility, attach a description of the other environmental permits that the applicant has for this use, including, permit number, date of issue, and name of issuing agency
- G The permit fee as required in Rule 62-4, F A C

Part IV-Certification

A Applicant

The undersigned applicant or authorized representative of the Citrus County BOCC
 Is aware that statements made in this form and attached information are an application for a
Waste Tire Processing Permit from the Florida Department of Environmental Protection 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 Department will be notified prior to the sale or
 legal transfer of the facility

<u>Susan Metcalfe</u> Signature of Applicant or Authorized Agent	Susan Metcalfe, Solid Waste Dir Name and Title	<u>10/31/05</u> Date
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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 judgment, this facility, when properly maintained and operated will comply with all applicable
 statues of the State of Florida and rules of the Department It is agreed that the undersigned will provide the
 applicant with a set of instructions for proper maintenance and operation of the facility

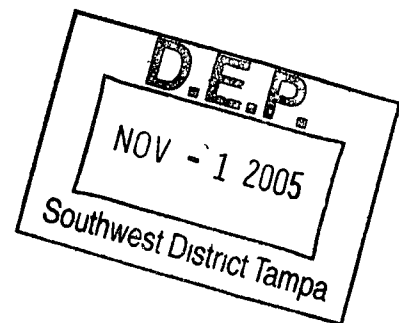
_____ Signature	_____ Mailing Address
_____ Name and Title	_____ City, State, Zip
_____ Florida Registration Number	_____ Telephone number
(please affix seal)	_____ Date

NARRATIVE

Waste Tire Collection Facility Permit Renewal
Attachment -- Page 1

A. Facility Design

- 1 Attachment 2-a is a topographic map of the Section containing the Waste Tire Collection Facility and maps of Sections within one mile of the facility Attachment 2-b is land use and zoning maps for the same area.
2. Attachment 3 is a survey drawing of the Citrus County Central Landfill including the Waste Tire Collection Facility



B. Facility Operation

1. Description of Facility Operation

The Citrus County Central Landfill is open 8:30 a.m. to 4:30 p.m. Monday through Friday and 8:30 a.m. to 2:30 p.m. on Saturdays to receive solid waste, recyclables, yard waste, and waste tires for disposal, or storage prior to recycling, in designated locations according to material type.

The landfill scalehouse is equipped with two computerized truck scales. The scales are controlled through a Local Area Network utilizing Autoscale software from Mettler Toledo.

Up to nine tires transported by residential customers are manually entered into Autoscale using a conversion factor of 29.9 lb per tire. The conversion factor was derived from measurements of the weight of counted roll-off loads of both rimmed and unrimmed tires and historical data on the ratio of rimmed and unrimmed tires received at the Citrus County Landfill. Commercial loads of waste tires are scaled for gross weight on the inbound scale and tare weight on the outbound scale. Daily tire transaction records are converted through Autoscale to provide monthly and annual tracking reports.

Any person transporting more than 24 tires is required to be a registered waste tire collector and display the proper waste tire transporter decal. All vehicles that do not have the decal are given an application for a FDEP Waste Tire Collector Permit.

All tires are off-loaded in the 5,000 sq. ft. waste tire storage bay located in the citizens service area. Within this area tires are further separated into rimmed tire and un-rimmed tire bays.

The County maintains a contract with Wheelabrator Ridge Energy to use the tires as fuel at their alternative fuel power plant in Polk County. At such time as the contract may be rebid, County bid specifications state that tires shall be disposed of in a manner that is considered to be recycling by the Florida Department of Environmental Regulation.

2. Processing Equipment

The on-site processing consists of loading the tires into open-top transfer trailers for shipment to the Wheelabrator facility in Polk County. A Caterpillar 950G high-reach front-end loader with a tire grapple is used to load the trailers.

3. Disposal of Waste

The only wastes expected in the tire collection area are items mistakenly left behind by the public. These items are removed by staff and either recycled or disposed of in the on-site Class 1 Landfill as appropriate. Disposal of oversized, non-DOT tires is through our contract with Wheelabrator or in the Class 1 disposal cell.

4. Daily and Annual Throughput

Based on data from the last several years, total annual volume is expected to be approximately 500 tons. Average daily volume is about 1.5 tons.

5. Compliance with Storage Requirements of F.A.C. 62-711.540

(1) Technical and Operational Standards

(a) Signage

At the gatehouse, through which all vehicles accessing the site must pass, there are signs indicating

- The hours of operation,
- Disposal costs including the cost of tire disposal
- Site rules

(b) Fire

There are no operations involving the use of open flame within 200 feet of the waste tire storage site.

(c) Attendant Requirement

The waste tire storage site is within the citizens service area. There is a trained solid waste spotter in this area at all times as required by Permit No. 21375-008-SO/01 for the facility.

- (d) Fire Protection**
Attachment 4 is the current Fire Prevention inspection report dated 4-11-2005. Annual Fire Prevention inspection reports will be included in the appropriate quarterly report.
- (e) Emergency Response Manual**
Attachment 5 is a copy of the Waste Tire Facility Emergency Response Manual. A copy of the manual is located next to the front door of the landfill administration building in a yellow weatherproof box marked "Contingency Plan".
- (f) Emergency Reporting**
Emergency reporting procedures as required for this permit are contained in the Emergency Response Manual.
- (g) Reporting**
Records of the quantity of tires received, stored and shipped from the waste tire collection site are prepared and maintained through the scale management system. Waste tire processing quarterly reports containing this information are also forwarded to the Florida Department of Environmental Protection.
- (h) Site Ownership**
The owner and operator of the site is the Citrus County Board of County Commissioners.
- (i) Communication**
The Citizens Service Area attendant, who also monitors the waste tire site, is in radio communication with the scale house and the administration office as well as all equipment operators. This allows immediate communications/assistance in the event of an emergency.
- (j) Mosquito and Rodent Control**
Mosquito control is established through routine inspection and spraying by the Citrus County Mosquito Control District personnel.
- (k) Access Road**
Access to the tire site is assured at all times during facility operating hours.

(2) Indoor Waste Tire Storage Requirements

Waste Tires will not be stored indoors

(3) Outdoor Waste Tire Storage Requirements

(a) Proximity to Bodies of Water

The Citrus County Central Landfill Waste Tire Site is not located within 200 feet of any natural or artificial body of water

(b) Maximum Tire Pile Dimensions

The Waste Tire Site:

- Consists of a concrete slab 100 feet by 50 feet
- The slab is surrounded on the south and west sides by an 8 foot reinforced concrete wall and a six foot tall concrete barrier on the north side. The east side opens onto the asphalt-paved Citizens Service Area
- Total Storage area is 5,000 square feet

(c) Fire Control Access

A fifty-foot wide fire access lane is maintained around the waste tire site. A permanent waste oil, antifreeze and battery drop-off site is constructed on the south end of the facility. At the north end is a drop-off area for bulky waste including roll-off container to transport the waste to the Class 1 disposal cell. County Fire Prevention, through their annual Fire Prevention inspection reports, have indicated no concerns about fire control access.

(d) Site Access Control

A six-foot high chain link fence topped by barbed wire encloses the entire perimeter of the Citrus County Central Landfill. All gates are locked after normal operational hours.

(e) Protection of Water Bodies

The waste tire site is completely surrounded by the Central Landfill Facility which is not located within 200 feet of any natural or artificial body of water. All drainage is managed on the landfill property.

(f) Vegetation and Underbrush Control

The tire site is on an 8 inch thick concrete slab with concrete walls on three sides. The open side of the facility faces the asphalt pad of the Citizens Service Area. No vegetation exists within or in front of the waste tire storage site.

(4) Temperature of Processed Tires

Tires will not be processed on this site

(5) Tire Residuals Control

There will be no tire residuals generated

(6) Exceptions

No exceptions are requested

6 Location of Emergency Response Manual

Attachment 5 is a copy of the Waste Tire Facility Emergency Response Manual. A copy of the Emergency Response Manual is maintained on-site in a weatherproof box marked "Contingency Plan" outside the front door of the Central Landfill Administration Office.

The off-site copy of this manual is located in the County's Fire Services Office at the Lecanto Government Complex at 3600 W. Sovereign Path, Lecanto, Florida 34461.

7 Fire Safety Survey

Attachment 4 is the current Fire Prevention inspection report dated 4-11-2005.

8 Description of How 75 Percent of the Annual Accumulation will be Removed for Recycling

Tires are transported to the contractor's alternative fuel power plant at least monthly, substantially before the 115 ton storage capacity of the tire site is exceeded. The 115 ton limit represents less than 25 percent of the expected annual volume of waste tires, therefore in excess of 75% of the expected annual accumulation of waste tires will be processed.

C. Closing Plan for the Facility

In closing the facility the operator will proceed as detailed in 62-711-700(2) and (3), F A C.

- (1) The operator of the waste tire site shall stop public access by, posting a sign stating the site is closed, indicating where to dispose of tires, and posting a phone number to obtain further information
- (2) The operator shall notify the Department of Environmental Protection of intent to close the site and provide a schedule for closing activities. If site rehabilitation is required the operator will provide a rehabilitation plan when notification of closure is submitted
- (3) All waste tires shall be removed from the site and transported to an FDEP approved waste tire recycler or FDEP approved waste tire disposal facility
- (4) The operator shall notify the FDEP upon completion of closure and request site inspection
- (5) Proof of financial responsibility is provided in Section D

D. Proof of Financial Responsibility

Attachment 6 is a quote from our contractor, Wheelabrator Ridge Energy, stating that they will load, transport, process, and dispose of 115 tons of tires from the Citrus County Landfill for \$100 per ton or a total of \$11,500. The maximum amount of tires allowed on site per our current permit is 115 tons. Closure of the tire site would be part of the total landfill closure. Attachment 7 is a copy of the FDEP Financial Assurance Cost Estimate Form for the Citrus County Central Landfill. The closure plan includes Waste Tire Facility closure costs of \$11,500.

E. Permission from Landowner

Does not apply

F. Environmental Use permits

Does not apply

G. Permit Fee

A check for \$1,250 is attached

ATTACHMENTS

ENFORCEMENT HISTORY

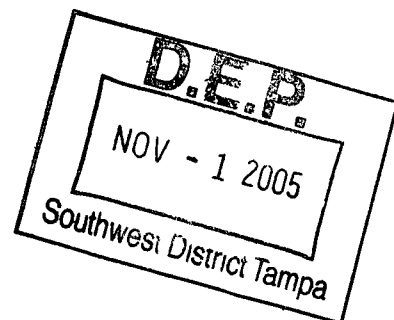
Citrus County Central Landfill, Permit No 21375-003-SO and previous permits

Consent Agreement OGC Case No 05-1078 in which the Department finds that groundwater and gas standards have been violated and both parties have agreed to investigation and compliance action plans

Consent Order OGC Case No 92-2203 (no signed copy in our files) related to open burning of yard waste in which the settlement was an agreement to clean up illegal dumpsites

Action for which there is no copy in our files related to warning notices wherein the County corrected conditions at the landfill for leachate, liner protection and completion of 60-acre closure, plus made improvements to Withlacoochee Rails to Trails and Trail 13 in the Withlacoochee State Forest

WN92-0019SW09SWD Leachate
WN92-0010AP09SWD Open Burning
WN91-0018SW09SWD Multiple items



CITRUS COUNTY FIRE PREVENTION INSPECTION REPORT

3600 W. Sovereign Path, Suite 291, Lecanto, FL 34461 Office (352) 527-5407 • Fax (352) 527-5404

Business Name Citrus County Lawn Care
 Physical Address 280 W Gulf to Lake Hwy
 Mailing Address: _____
 City Limits: [] Y [X] N
 Location Lecanto Zip Code 34461
 Description Outside Tire Storage
 Plaza [] Yes [X] No
 Unit # _____ District 10
 Owner/Manager _____
 Owner/Man Phone # _____

Business Phone # _____
 Building Permit # _____
 Plans Review # _____
 Type of Construction _____
 Occupancy Class _____
 Occupant Load _____
 Tables & Chairs _____
 Chairs _____
 Square Footage _____

[] Initial [] Construction [X] Request [] Complaint [X] Re-inspection [] Other _____

CODE DEFICIENCIES: County/City Occupational License: _____

STORAGE

- Improper storage of combustible material
- Storage too close to ceiling
- Storage too close to electrical panel
- Unsafe storage

EXIT DEFICIENCIES

- Exits inadequate number or capacity
- Aisles/corridors too narrow
- Exit door does not swing in direction of travel
- Door not equipped with approved exit hardware
- Exit doors inoperative or locked
- Exit blocked / obstructed
- Emergency lights not provided or working
- Exit sign(s) not illuminated
- Exit sign(s) battery not operable

EXTINGUISHERS

- Extinguishers not provided
 - Not proper type
 - Not inspected / tagged
 - Not visible / accessible
 - Inadequate number
 - Not charged / operable
 - Not properly installed
- Date last inspected _____
 Number _____ Type _____

SPRINKLERS/STANDPIPE

- System not inspected / maintained
 - Valves closed
 - Valves not accessible
 - Heads obstructed or too close to stock
 - FDC deficiency
 - Valve not secured / monitored
- Date last inspected _____

FIRE ALARM

- Fire alarm not provided
 - Fire alarm does not meet code
 - Fire alarm not inspected/maintained
 - Smoke detector not provided
 - Smoke detector inoperative
- Date last inspected _____

ELECTRIC EQUIPMENT

- Overloaded circuits
- Electrical panel obstructed
- Electrical panel / boxes open
- Coverplate missing
- Temporary wiring / extension cords
- Open junction box
- AC / heating equipment not maintained

COOKING EQUIPMENT

- Accumulation of grease in cooking equipment or duct
 - Hood & duct system not in accordance with NFPA 96
 - Extinguisher system not in accordance with NFPA 17
 - Other cooking equipment deficiency
- Date last inspected _____

Above deficiencies may cause a fire, contribute to the spread of fire or cause undue injury to building occupants. Deficiencies must be corrected FORTHWITH. For additional information or assistance, please call (352) 527-5407
BUILDING PERMITS ARE REQUIRED FOR ALL RENOVATIONS / REPAIRS

REQUIREMENTS / COMMENTS.

Inspection done

Inspection Date/Time 4-11-05 4:15pm Compliance Date _____
 Inspector William J. Driscoll Occupant Signature _____

**CITRUS COUNTY CENTRAL LANDFILL
WASTE TIRE STORAGE/PROCESSING FACILITY
EMERGENCY RESPONSE MANUAL**

FOR

**DEPARTMENT OF PUBLIC WORKS
DIVISION OF SOLID WASTE MANAGEMENT**

**CITRUS COUNTY CENTRAL LANDFILL
230 W. GULF TO LAKE HIGHWAY
LECANTO, FL. 34460**

(352) 527-7670

SEPTEMBER, 2005

A. PREPAREDNESS

Local fire authorities have been notified, and will be kept apprised of the operations at the Citrus County Central Landfill Waste Tire Storage facility located in Recycle Alley at the Central Landfill, 230 W Gulf to Lake Highway, Lecanto, Florida 34460. A site diagram will be provided as well as a copy of all revisions.

Waste tires are removed on a monthly basis through the County's Recycling and Transport contractor. The County's permit allows for up to 115 tons of waste tires to be accumulated and stored on site between removals.

The off-site copy of this manual is maintained in the County's Public Safety Department at the Lecanto Government Building, 3600 W Sovereign Path, Suite 291, Lecanto, Florida.

B. EMERGENCY NOTIFICATION LIST:

PUBLIC SAFETY DEPARTMENT:

(352) 527-5406

-Fire Services
-Fire Prevention
3600 W Sovereign Path, Suite 291
Lecanto, FL 34461
-Special Operations Section
285 S Kensington Avenue
Lecanto, FL 34461

(352) 341-2150

EMERGENCY RESPONSE:

911

3425 West Southern Street
Lecanto, FL 34461

ENVIRONMENTAL:

(813) 744-6100

Department of Environmental Protection
Division of Waste Management
3804 Coconut Palm
Tampa, FL 33619

C. EMERGENCY PROCEDURES

Every effort shall be made to operate the facility in a safe manner. In the event of a small fire, the personnel discovering the fire should determine if it can be extinguished safely and quickly with the available fire extinguisher. If the fire can safely be extinguished with available materials, appropriate actions should be taken.

In the event of a larger fire, the Director and/or Customer Service Crew Leader shall be notified immediately and he/she shall notify 911 and mobilize on site equipment, which include 2 - 1,000 gallon water tanks with pumps, until emergency response vehicles arrive at the site. The Inverness Fire Station, the emergency response facility for the Central Landfill, is located one and one-half miles from the Landfill.

In the event of a large fire creating oily material at the site, the following procedure shall be implemented:

- 1) The area shall be diked with absorbent to prevent spreading,
- 2) Absorbents shall be spread to clean up material,
- 3) Used absorbents shall be contained in 55 gallon steel drums,
- 4) The drums shall be properly disposed of through the County's Hazardous Waste Disposal Contractor.

All materials needed for clean up and disposal are stored at the Household Hazardous Waste Collection Center located at the southwest corner of the Central Landfill.

D. FOLLOW UP

In the event of an emergency, the permittee shall immediately (within 24 hours) notify the FDEP explaining the occurrence and remedial measures to be taken, method to prevent reoccurrence, and time needed for repair. Written, detailed notification shall be submitted to the FDEP within seven (7) days following the occurrence.



Wheelabrator Ridge Energy Inc.

A Waste Management Company

3131 K-ville Avenue
Auburndale, FL 33823
(863) 665-2255
(863) 665-0400 Fax

October 5, 2005

Mr Frank Wentzel
Recycling Specialist
Citrus County Solid Waste Management Division
P O Box 340
Lecanto, FL 34460

Dear Frank

Per your request, Wheelabrator is pleased to provide the following proposal for waste tire disposal in the event of site closure at your facility

Up to 115 tons of whole tires will be accepted for a disposal fee of \$100.00 per ton. This price includes the cost of loading, transporting, processing, and disposing of the tires at the Citrus County Landfill.

If you need any additional information, please let me know.

Sincerely,

Phil Tuohy

Phil Tuohy
Plant Manager

DEP Form #	62 701 900(28)
Form Title	Financial Assurance Cost Estimate Form
Effective Date	09 27 01
DEP Application No	(Filled by DEP)



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

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date October 14, 2005 Date of FDEP Approval N/A

I GENERAL INFORMATION

Facility Name Citrus County Central Landfill WACS or GMSID # SWD/09/39859
 Permit / Application No 21375-003-SO Expiration Date August 31, 2005
 Facility Address State Road 44, 3 miles east of Lecanto
 Permittee Citrus County Board of County Commissioners
 Mailing Address P O box 340 Lecanto, FL 34460

Latitude 28 51'08" Longitude 8226'38" or UTM _____

Solid Waste Disposal Units Included in Estimate

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
<u>2</u>	<u>6</u>	<u>Mid- 2005</u>	<u>10</u>
<u>1/1A</u>	<u>19 1</u>	<u>1991</u>	<u>14</u>
<u>Old LF</u>	<u>60</u>		<u>Closed</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Total Landfill Acreage included in this estimate 25 1 Closure 85 1 Long-Term Care

Type of Landfill X Class I _____ Class III _____ C&D Debris

II TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

_____ Letter of Credit *	_____ Insurance Certificate	*Indicates mechanisms that require use of a Standby Trust Fund Agreement
_____ Performance Bond *	<u>X</u> Escrow Account	
_____ Guaranty Bond *	_____ Financial Test	

III ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701 630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

(a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

This adjustment is based on the Department approved closure cost estimate dated _____

Latest Department Approved Closure Cost Estimate	x	Current Year Inflation Factor	=	Inflation Adjusted Closure Cost Estimate
\$0		1.01		\$0.00

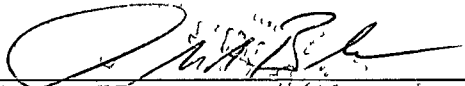
This adjustment is based on the Department approved long-term care cost estimate dated _____

Latest Department Approved Annual Long-Term Care Cost Estimate	x	Current Year Inflation Factor	=	Inflation Adjusted Annual Long-Term Care Cost Estimate
\$0		1.01		\$0.00
Number of Years of Long Term Care Remaining			x	30
Inflation Adjusted Long-Term Care Cost Estimate			=	\$0.00

(b) Recalculate Estimates (see section V)

IV CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701 630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701 630(4), F.A.C.



 Signature of Engineer

John A. Banks, P.E.

 Name & Title (please type)

39397

 Florida Registration Number (affix seal)

SCS Engineers
 3012 U.S. Highway 301 North, Suite 700
 Tampa, Florida 33619

 Mailing Address

813-621-0080

 Telephone Number

 Signature of Owner/Operator

Susan J. Metcalfe, Director, Div of Solid Waste Mgmt

 Name & Title (please type)

(352) 527-7671

 Telephone Number

V RECALCULATE ESTIMATED CLOSING COST

For the time period in the landfill operation when the extent and manner of its operation makes closing **most expensive**

**** Third Party Estimate / Quote must be provided for each item**
**** Costs must be for a third party providing all material and labor**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1 Proposed Monitoring Wells		(Do not include wells already in existence)		
	EA	0 00	\$0 00	\$0
2 Slope and Fill (bedding layer between waste and barrier layer)		N/A		
Fine Grading (to receive liner)	SY	125,172	\$0 44	\$55,076
Placement and Spreading	CY	41,724	\$1 50	\$62,586
Compaction	CY	41,724	\$1 00	\$41,724
Off Site Material (12")	CY	41,724	\$1 50	\$62,586
Delivery	CY	41,724	\$2 50	\$104,310
			Subtotal Slope and Fill	\$222,000
3 Cover Material (Barrier Layer)				
Off-Site Clay	CY	0 00	\$0 00	\$0
Synthetics - 40 mil	SF	1,126,551	\$0 41	\$461,886
Synthetics - GCL	SY	0 00	\$0 00	\$0
Synthetics - Geonet	SF	1,074,051	\$0 42	\$451,101
Synthetics - Other	SY	0	\$0 00	\$0
			Subtotal Barrier Layer Cover	\$913,000
4 Top Soil Cover (18" protective soil + 6" topsoil)				
Off-Site Material	CY	0	\$0 00	\$0
Delivery +Spread	CY	62,586	\$8 25	\$516,335
Delivery +Spread	CY	20,862	\$10 00	\$208,620
			Subtotal Top Soil Cover	\$725,000

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5 Vegetative Layer				
Sodding	SY	125,172	\$1 23	\$153,962
Hydroseeding	AC	0 00	\$0 00	\$0
Fertilizer	AC	0	\$0 00	\$0
Mulch	AC	0 00	\$0 00	\$0
Other	SY	0	\$0 00	\$0
Subtotal Vegetative Layer				\$154,000
6 Stormwater Control System				
Earthwork	CY	0 00	\$0 00	\$0
Grading (catch swales)	SY	0	\$0 00	\$0
Piping (downcomers)	LF	3,800	\$12 78	\$48,564
Ditches	LF	0 00	\$0 00	\$0
Berms	LF	2900 00	\$3 94	\$11,426
Control Structures	EA	43	\$2,797 55	\$120,295
Other 12" thick crushed concrete	LF	3,900	\$15 21	\$59,319
Subtotal Stormwater Controls				\$240,000
7 Gas Controls Passive				
Vents (2 per acre) (51 vents, each 55ft deep)	EA	51	\$4,263 00	\$217,413
Self-Igniter Flares	EA	51	\$2,352 00	\$119,952
Monitoring Probes (Assume 2 new, 80ft deep)	EA	2	\$1,500 00	\$3,000
NSPS/Title V requirements	LS	0 00	\$0 00	\$0
Subtotal Passive Gas Control				\$340,000

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8 Gas Control Active Extraction	N/A			
Traps	EA	0	\$0 00	\$0
Sump	EA	0	\$0 00	\$0
Flare Assembly	EA	0	\$0 00	\$0
Flame Arrestor	EA	0	\$0 00	\$0
Mist Eliminator	EA	0	\$0 00	\$0
Flow Meter	EA	0	\$0 00	\$0
Blowers	EA	0	\$0 00	\$0
Collection System	LF	0	\$0 00	\$0
Other (describe)		0	\$0 00	\$0
Subtotal Active Gas Extraction				\$0
9 Security System (In place)				
Fencing	LF	0	\$0 00	\$0
Gate(s)	EA	0	\$0 00	\$0
Sign(s)	EA	0	\$0 00	\$0
Subtotal Security System				\$0
10 Engineering				
Closure Plan report (Plans & specifications) Certified Engineer	LS	1	\$130,381 00	\$130,381
	LS		\$0 00	\$0
NSPS/Title V Air Permit	LS		\$0 00	\$0
Final Survey	LS	1	\$7,450 00	\$7,450
Certification of Closure	LS	1	\$11,758 00	\$11,758
Other (detail)	LS		\$0 00	\$0
Subtotal Engineering				\$150,000

11 Professional Services

	Contract Management		Quality Assurance		TOTAL
	Hours	LS	Hours	LS	
P E Supervisor (\$98/hr)	160	15,680	40	3,920	\$19,600
On-Site Engineer (\$72/hr)	480	34,560	200	14,400	\$48,960
Office Engineer (\$72/hr)	200	14,400	200	14,400	\$28,800
On-site Technician (\$ 65/hr)			840	54600 00	\$54,600
Administrative cost (\$47/hr)	60	2,820			\$2,820
Reimbursables		29,104		6,026	\$35,130

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	1	40,000	\$40,000
Subtotal Professional Services				\$230,000

Subtotal of 1-11 Above: \$2,974,000

12 Contingency 15 % of Total 15 00%

Closing Cost Subtotal: \$3,420,100

13 Site Specific Costs (explain)

Mobilization (10% of Sub-Total 1-11)	\$297,400
Waste Tire Facility	\$11,500
Materials Recovery Facility	\$0
Special Wastes	\$0
Leachate Disposal for One Year	\$43,500
Other (Bonds & Insurance 2% of Sub-Total 1-11)	\$59,480
Subtotal Site Specific Costs \$411,880	

TOTAL CLOSING COSTS \$3,831,980

VI ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

_____ 5 years _____ 20 years X 30 years _____ Other

See 62-701 600(1)a 1 , 62-701 620(1), 62-701 630(3)a and 62-701 730(11)b F A C for required term length For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining

**** Third Party Estimate / Quote must be provided for each item**
**** Costs must be for a third party providing all material and labor**

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A)

DESCRIPTION	Sampling Frequency (events/yr)	Number of Wells	\$/Well/Event	\$ / Year
1 Groundwater Monitoring (62-701 510(6), and (8)(a))				
Monthly (Gradient)	12	_____	_____	\$0
Quarterly	4	_____	_____	\$0
Semi-Annual (New LF= 7 existing + 2 new, for old LF = 5)	2	14	\$465 33	\$13,029
Annual	1	_____	_____	\$0
Subtotal Groundwater Monitoring				\$13,029
2 Surface Water Monitoring (62-701 510(4), and (8)(b))				
Monthly	12	_____	_____	\$0
Quarterly	4	_____	_____	\$0
Semi-Annual	2	_____	_____	\$0
Annual	1	_____	_____	\$0
Subtotal Surface Water Monitoring				\$0
3 Gas Monitoring (probes)				
Monthly	12	_____	\$0 00	\$0 00
Quarterly (60 old LF + 4 new LF)	4	18	\$42 60	\$3,067
Semi-Annual	2	_____	\$0 00	\$0 00
Annual	1	_____	\$0 00	\$0 00
Subtotal Gas Monitoring				\$3,067

DESCRIPTION	Sampling Frequency (events/yr)	Number of Wells	\$/Well/Event	\$/Year
4 Leachate Monitoring (62-701 510(5), (6)(b) and 62-701 510(8)(c))				
Monthly	12	0	\$0 00	\$0 00
Quarterly	4	0	\$0 00	\$0 00
Semi-Annual	2	0	\$0 00	\$0 00
Annual	1	1	\$1,587 00	\$1,587
Weekly	52	0	\$0 00	\$0 00
Subtotal Leachate Monitoring				\$1,587

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
5 Leachate Collection/Treatment Systems Maintenance				
Maintenance				
Collection Pipes (TV and flush system every 5 yrs)	LS	1 0	\$14,406 00	\$14,406
Sumps, Traps	EA	0	\$0 00	\$0 00
Lift Stations	EA	11	\$1,530 00	\$16,830
Cleaning	LS	0	\$0 00	\$0 00
Tanks (includes pumps)	EA	2	\$2,550 00	\$5,100
Impoundments				
Liner Repair	SY	0	\$0 00	\$0
Sludge Removal	CY			\$0
Treatment Systems	CY	0	\$0 00	\$0
Batch Plant	EA	0	\$0 00	\$0
Spray Aerators	EA	0	\$0 00	\$0
Disposal				
On-site Impoundment	1000 gallon	362	\$120 00	\$43,440
Sub-Total Leachate Collection /Treatment System Maintenance				\$79,776

6 Leachate Collection/Treatment Systems Administrative

Operation		Hours	\$/Hour	Total
Ops Supervisor	HR	192	\$75 00	\$14,400
(1 day per month for reports)				
On-Site Engineer	HR	0	\$0 00	\$0 00
Office Engineer	HR	32	\$98 00	\$3,136
On-site Technician	HR	624	\$72 00	\$44,928
(WWTP Operator 12 hrs /week)				
Materials	LS	0	\$0 00	\$0 00
Subtotal Leachate Collection/Treatment System Administrative				\$62,464

7 Maintenance of Groundwater Monitoring Wells

Monitoring Wells	EA	14	\$28 57	\$400
Replacement	EA	1 0	\$1,000 00	\$1,000
(1 every 5 years, 150 ft deep)				
Abandonment	EA			\$0 00
Subtotal Groundwater Monitoring Well Maintenance				\$1,400

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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8 Gas System Maintenance

Piping, Vents	EA	48	\$100 00	\$4,800
(Assume 1/2 of vents need maintenance, 44 total Old LF, 51 new LF)				
Blowers	EA	0	\$0 00	\$0 00
Flaring Units	EA	6	\$100 00	\$600
(vent flares, assume 10% per year)				
Meters, Valves	EA	0	\$0 00	\$0 00
Compressors	EA	0	\$0 00	\$0 00
Flame Arrestors	EA	0	\$0 00	\$0 00
Replace monitoring probes	EA	1	\$150 00	\$150 00
(1 probe every 10 years)				
Subtotal Gas System				\$5,550

9 Landscape

Mowing	AC	145	\$42 68	\$6,190
(Twice per year)				
Fertilizer	AC	0	\$0 00	\$0 00
Subtotal Landscape Maintenance				\$6,190

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10 Erosion Control & Cover Maintenance				
Sodding Assume 1% of total acreage)	SY	<u>0</u>	<u>\$0 00</u>	<u>\$0</u>
Regrading	LS	<u>1</u>	<u>\$1,530 00</u>	<u>\$1,530</u>
Liner Repair (once every 5 yrs)	LS	<u>1</u>	<u>\$1,020 00</u>	<u>\$1,020</u>
Clay	CY	<u>0</u>	<u>\$0 00</u>	<u>\$0 00</u>
Subtotal Erosion Control and Cover Maintenance				<u>\$2,550</u>
11 Storm Water Management System Maintenance				
Conveyance Maintenance	LS	<u>1</u>	<u>\$1,020 00</u>	<u>\$1,020</u>
Subtotal Storm Water System Maintenance				<u>\$1,020</u>
12 Security System Maintenance				
Fences	LF	<u>50</u>	<u>\$10 70</u>	<u>\$535</u>
Gate(s)	EA	<u></u>	<u></u>	<u>\$0</u>
Sign(s)	EA	<u></u>	<u></u>	<u>\$0</u>
Subtotal Security System				<u>\$535</u>
13 Utilities	LS	<u></u>	<u></u>	<u>\$0</u>
14 Administrative				
Site Manager (4 hrs per month)	HR	<u>48</u>	<u>\$98 00</u>	<u>\$4,704</u>
On-Site Engineer	HR	<u></u>	<u></u>	<u>\$0</u>
Office Engineer	HR	<u>0</u>	<u>\$0 00</u>	<u>\$0 00</u>
Clerical	HR	<u>48</u>	<u>\$47 00</u>	<u>\$2,256</u>
Other (consulting)		<u>1</u>	<u>\$5,000 00</u>	<u>\$5,000</u>
Subtotal Administrative				<u>\$11,960</u>
15 Contingency	% of Total	<u>189,128</u>	<u>5%</u>	<u>\$9,000</u>
Subtotal Contingency				<u>\$9,000</u>

CLIENT Citrus Co.	PROJECT Closure Cost Est	JOB NO 09199056.14
SUBJECT Waste Tire Facility Closure Cost	BY JB	DATE 10-14-05
	CHECKED SVM	DATE 10-14-05

Closure of Waste Tire Facility

Remove and Dispose of Max

Storage Quantity of Tires

Max Capacity = 115 tons

Price for loading, transportation,
processing, and disposal of the
tires
= \$100⁰⁰/ton

See attached quote from Wheelabrator

Total Closing Cost = 115 ton x \$100/ton
= $\boxed{\$11,500}$

**Wheelabrator Ridge Energy Inc.**

A Waste Management Company

3131 K-ville Avenue
Auburndale, FL 33823
(863) 665-2255
(863) 665-0400 Fax

October 5, 2005

Mr. Frank Wentzel
Recycling Specialist
Citrus County Solid Waste Management Division
P. O. Box 340
Lecanto, FL 34460

Dear Frank

Per your request, Wheelabrator is pleased to provide the following proposal for waste tire disposal in the event of site closure at your facility.

Up to 115 tons of whole tires will be accepted for a disposal fee of \$100.00 per ton. This price includes the cost of loading, transporting, processing, and disposing of the tires at the Citrus County Landfill.

If you need any additional information, please let me know.

Sincerely,

Phil Tuohy

Phil Tuohy
Plant Manager