

D. E. R.

SEP 13 1991

SOUTHWEST DISTRICT  
TAMPA

PERMIT MODIFICATION FOR  
WASTE TIRE PROCESSING FACILITY  
COMPOST FACILITY GENERAL PERMIT  
KNOWN AS "RECYCLE ALLEY"

for

CITRUS COUNTY, FLORIDA

COMMISSIONERS

Nick Bryant, Chairman  
Wayne Weaver, First Vice Chairman  
Chester J. White, Sr., Second Vice Chairman  
Gary Bartell, Commissioner  
Wilbur H. Langley, Sr., Commissioner

COUNTY ADMINISTRATOR

Christopher W. Chinault

COUNTY ATTORNEY

Larry M. Haag

COUNTY ENGINEER

James W. Pinkerton, P.E.

BY

DIVISION OF AQUATICS AND SOLID WASTE MANAGEMENT

Thomas H. Dick, Director  
P. O. BOX 440  
LECANTO, FLORIDA 32661  
(904) 746-5000



# Florida Department of Environmental Regulation

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

DER Form # 17-711.900(8)
Form Title Waste Tire Processing Facility Permit Ap.
Effective Date February 22, 1989
DER Application No. _____ (Filed in by DER)

## Waste Tire Processing Facility Permit Application

### 1. Facility information:

Facility name: CITRUS COUNTY SOLID WASTE MANAGEMENT

Street address (main entrance): 230 W. Gulf-to-Lake Hwy.

City Lecanto County Citrus Zip 32661

Mailing address: P.O. Box 440

City Lecanto State FL Zip 32661-0440

Telephone number: ( 904 ) 746-5000

Location: Section 1, Township 19, Range 18

Latitude 28° 51', Longitude 82° 26'

### 2. Application type (check appropriate box):

Proposed new facility.

Existing unpermitted facility.

Renewal of permitted facility. Permit number \_\_\_\_\_

Modification of permitted facility. Permit number S009-187229

Other: Explain \_\_\_\_\_

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### 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: CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS

Owner's mailing address: P.O. BOX 440

City LECANTO State FL Zip 32661-0440

Owner's telephone number: ( 904 ) 746-5000

Ownership type (check appropriate box):  Individual  Partnership  Corporation  Government

Other, explain \_\_\_\_\_

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

5. Facility operator information (if different from owner):

Operator's name: Thomas H. Dick, Director of Div. of Aquatics & Solid Waste Mgmt.  
 Operator's mailing address: P.O. Box 440  
 City Lecanto State FL Zip 32661-0440  
 Operator's telephone number: (904) 746-5000  
 Operator's type (check appropriate box):  Individual  Partnership  Corporation  Government  
 Other, explain \_\_\_\_\_

6. Preparer of application:

Name of person preparing application: Thomas H. Dick, Director of Div. of Aquatics & Solid Waste Mgmt.  
 Mailing address: same as above  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Telephone: (\_\_\_\_\_) \_\_\_\_\_  
 Affiliation with facility: \_\_\_\_\_

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

Shredder  Cutter  Chopper  Incinerator only  Incinerator with energy recovery  Pyrolysis  
 Other, explain Storage with contract to shred with on site disposal

8. Required attachments:

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;
  - 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.

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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.

E. 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	200 Ton	10,000	200 Ton
Processed tires	0	10,000	0
TOTALS	200 Ton	10,000	200 Ton

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  
 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  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

DER Form #	17-711.900(6)
Form Title	Waste Tire Processing Facility Permit Ap.
Effective Date	February 22, 1989
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12. Certification:

A. Applicant.

The undersigned applicant or authorized representative of Citrus Co. Div. of Aquatics & Solid Waste Mgmt. is aware that statements made in this form and attached information are an application for a Waste Tire storage and processing facility 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 transferable, and the Department will be notified prior to the sale or legal transfer of the facility.

*Thomas H. Dick*

Signature of Applicant or Agent

Thomas H. Dick, Director

Name and Title

9-10-91

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 Department. It is agreed that the undersigned will provide the applicant with a set of instructions for proper maintenance and operation of the facility.

*Richard A. Berg*

Signature

Richard A. Berg, Director  
Division of Engineering

Name and title

P.O. Box 440

Mailing address

Lecanto, FL 32661-0440

City, State, Zip

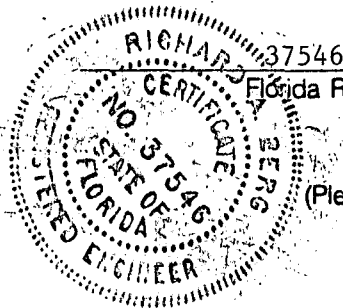
(904) 746-2694

Telephone number

37546

Florida Registration Number

(Please affix seal)



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

2. Description of the general operation of the facility or equipment, including quantities of waste tires received, accumulated or processed per month (FAC 17-711.801(2)(b)).
- 

The Citrus County Central Landfill is equipped with two electronically operated and computer controlled motor truck scales. These scales are tied into a Local Area Network computer system utilizing Dickey Scales Refuse Vehicle Scale Management System II software.

All inbound loads of tires are scaled for gross weight and then reweighed upon exiting. Recent tare weights are recorded in the computer for all of our regular customers using designated vehicles enabling them to forgo the reweigh process until updated tare weights are required. All transactions involving individual passenger car tires are approximated at 20 pounds per tire, the equivalent of 100 tires per ton.

Daily records are converted into monthly records through the use of our computer files allowing for the tracking and comparison of data on a monthly and yearly basis. We are currently receiving an average of 20 tons of tires per month and have contracted with a private tire shredder to come on site periodically to process the accumulated stockpile.

- 5.(d) Explanation of how the owner or operator shall control mosquitos, rodents and public access to the site (FAC 17-711.540(2)(d), (e), & (g)-(i)).
- 

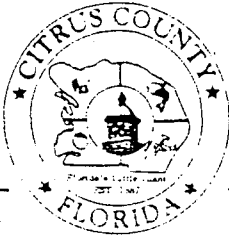
Mosquito control is established through a routine spraying schedule and periodic site inspections by Citrus County Mosquito Control. No visible rodent population currently exists at the Central Landfill. This may be due to the daily compaction and efficient use of cover material thereby diminishing the attraction of the landfill as a food source for rodents.

Public access to the Central Landfill is restricted to one entrance road which passes through a six foot high gate that is locked after normal operation hours. The public is then required to pass through the scale house plaza before being allowed access to the disposal sites. The entire perimeter of the Central Landfill is enclosed by a six foot high chain link fence topped by three strands of barbed wire.

- 5.(g) Discussion of monthly record keeping to approximate quantity of waste tires and processed tires received at the site, stored at the site, and shipped from the site (FAC 17-711.540(2)(p)).
- 

All monthly records derived from the Refuse Vehicle Scale Management System II are transferred to a Lotus 123 Spreadsheet to allow for periodic analysis of the amount of tires received during any given time period. Through the use of individualized material codes for whole tires and for shredded tires, we are able to monitor the amount of tires being stockpiled since the last tire shredding date. To date, we have not received any tires already processed and all tires are shredded on site and then immediately used as part of the daily cover in the Class III Landfill. This eliminates the need to store any processed tires or ship any tires from the site.





CITRUS COUNTY

# DEPARTMENT OF DEVELOPMENT SERVICES

1300 South Lecanto Highway  
Lecanto, Florida 32661-8099  
(904) 746-4223

In reply, refer to:

## MEMO

To: Thomas H. Dick, Director, Solid Waste Management  
From: William M. Connell, Chief, Fire Prevention Division *W.M.C.*  
Date: September 12, 1991  
Subject: Citrus County Waste Tire Processing Facility, Citrus  
County Landfill - New Landfill Site, DER #S009-187229

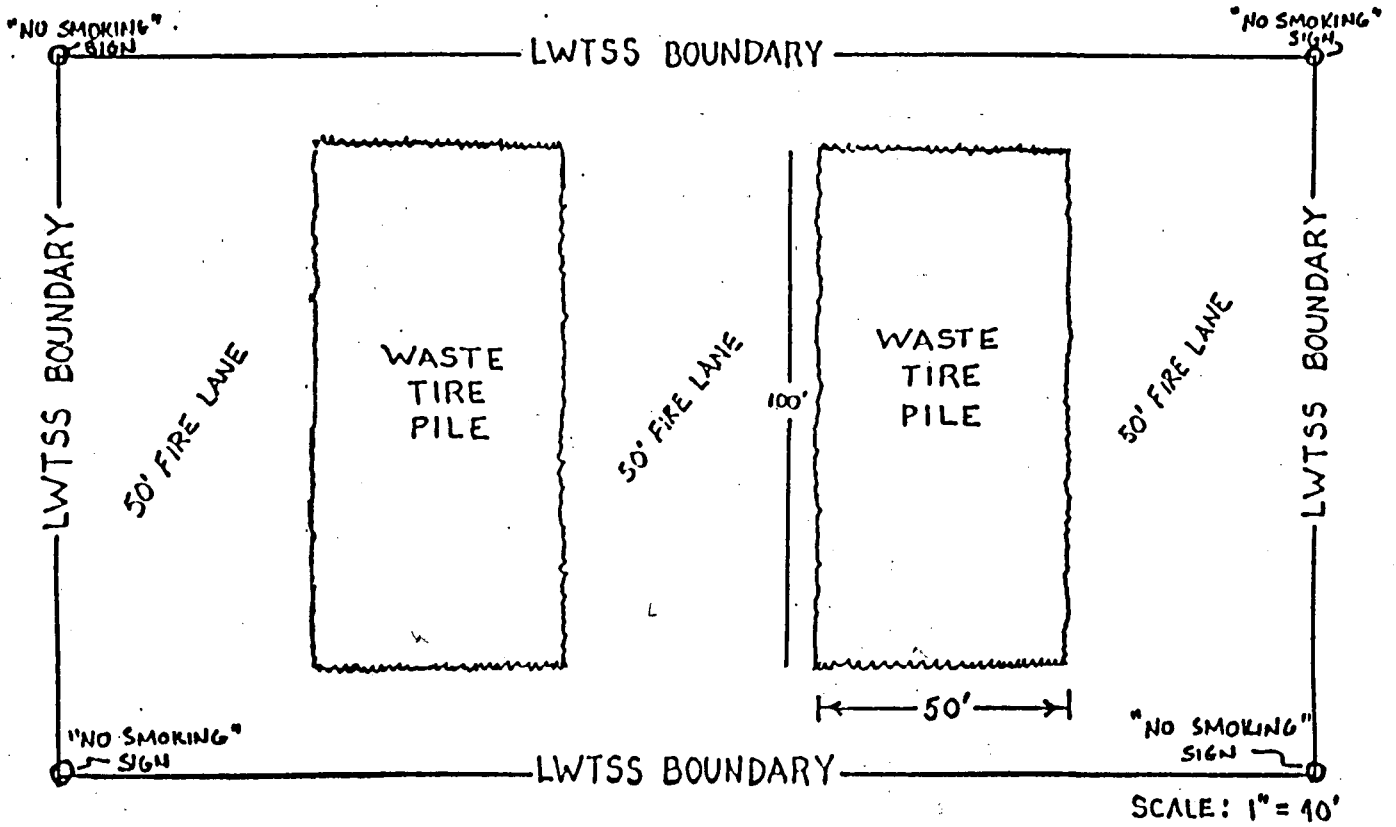
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Tom, after reviewing your site plans and after inspecting the facility, our office has no objections to the new location of the facility, providing the following requirements are met:

- 1) Provide access to all areas of the storage site.
- 2) Place "No Smoking" signs, size 2' x 4' on each end of the pile.
- 3) Place 1 - 4A40BC fire extinguisher at each end of the pile.
- 4) Place on-site a trailer with a 200 gallon water tank pump and foam capabilities.

If these requirements are completed, we have no objections to the proposed site. If you have any questions, please do not hesitate to call.

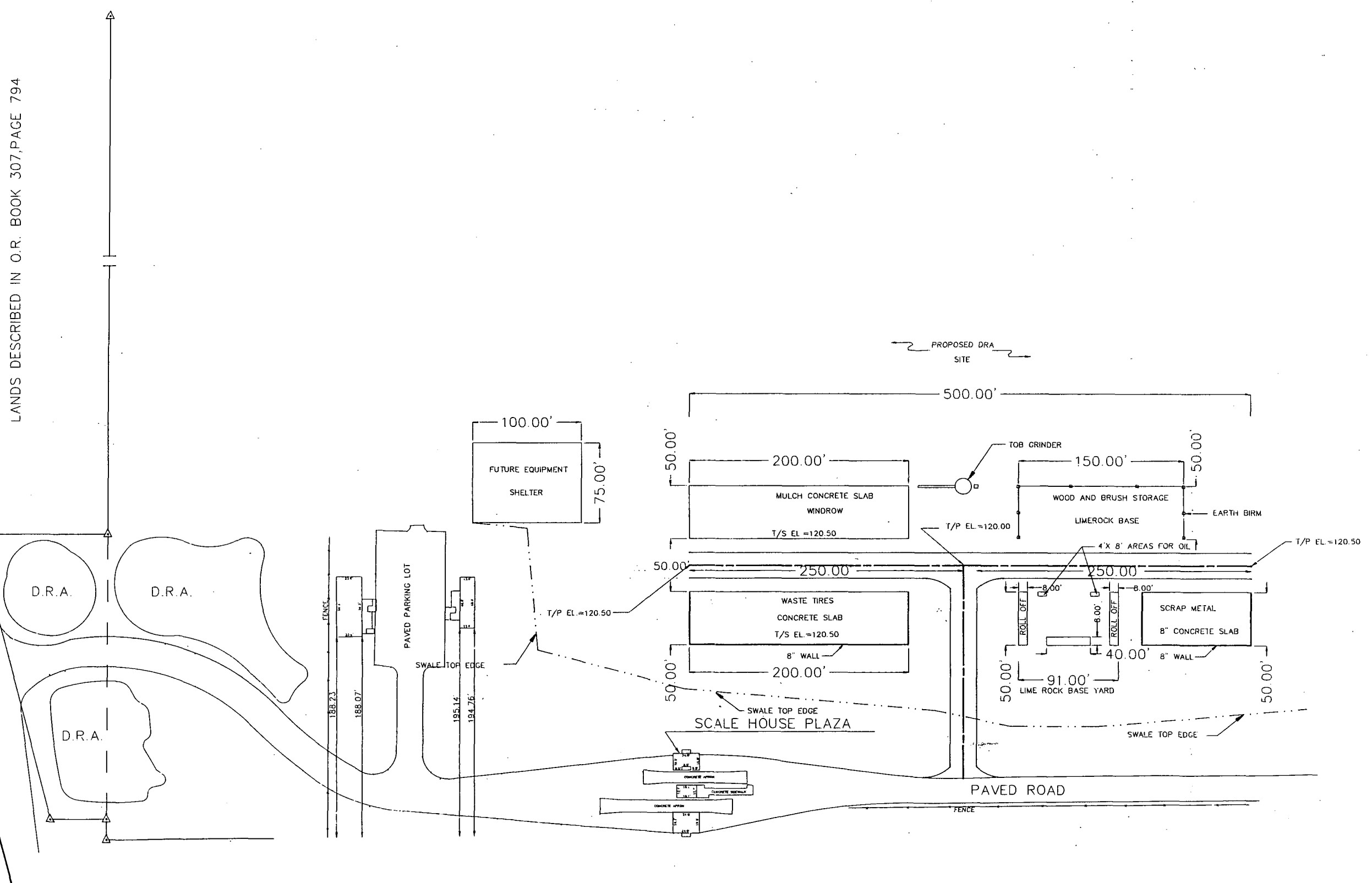
LANDFILL WASTE TIRE  
STORAGE SITE





LANDS DESCRIBED IN O.R. BOOK 307, PAGE 794

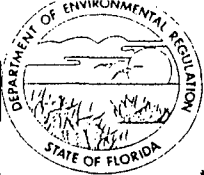
STATE ROAD NO. 44



NOTE:  
SKETCH ONLY, THIS IS NOT A SURVEY.

REDUCED COPY

BY DATE		REVISIONS		PRELIMINARY		DESIGN		DEPARTMENT OF TECHNICAL SERVICES CITRUS COUNTY, FLORIDA ENGINEERING DEPARTMENT		APPROVED BY:		80 ACRE LANDFILL SITE RECYCLING ALLEY LAYOUT		PROJECT NUMBER		SHEET 1 OF 1	
BY	DATE	BY	DATE	BY	DATE	BY	DATE	DATE		DATE		SECTION	TOWNSHIP	RANGE	SCALE	FILE:	
															1" = 50'		
						DRAWN	R.D.T. 9/91	R.D.T.	9/91								
						DESIGNED	T.E.F. 9/91	T.E.F.	9/91								
						CHECKED	T.E.F. 9/91	T.E.F.	9/91								



# Florida Department of Environmental Regulation

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

DER Form #	17-709.900(3)
Form Title	Compost Facility General Permit Notification
Effective Date	November 21, 1989
DER Application No.	(Filled in by DER)

*CBF NYA*

## Compost Facility General Permit Notification

Pursuant to Rule 17-709.800, Florida Administrative Code, the owners or operators of a qualifying composting facility shall submit the following information on this form, to the Waste Program Administrator at the appropriate District Office of the Department:

1. a. Facility Name: CITRUS COUNTY SOLID WASTE MANAGEMENT
- b. Facility Location (main entrance): 230 W. Gulf-to-Lake Hwy.  
 City Lecanto, County Citrus  
 Section 1, Township 19, Range 18 Latitude 28 ° 51 ' " Longitude 82 ° 26 ' "
2. a. Applicant: Division of Aquatics and Solid Waste Management
- b. Address: P.O. Box 440  
 City Lecanto State FL Zip Code 32661-0440
- c. Contact Person: Thomas H. Dick, Director (904) 746-5000  
Name Telephone Number
3. a. Landowner (if different than applicant: Citrus County Board of County Commissioners
- b. Address: 110 N. Apopka Ave.  
 City Inverness State FL Zip Code 32650
- c. Telephone Number: ( 904 ) 726-8500
4. Describe the general layout and operation of the facility or equipment (attach additional sheets, if necessary):

See Attached

5. Describe how Rule 17-709.800(1)(a), (b) and (c), F.A.C., will be met (attach additional sheets, if necessary):
- See Attached

6. Date of beginning operation: January 1992

7. Status of operation:  Existing  Proposed

8. Certification:

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

THOMAS H. DICK

Name of Authorized Agent

*Thomas H. Dick*

Signature of Authorized Agent

9/12/91

Date

**COMPOST FACILITY GENERAL PERMIT NOTIFICATION - CONTINUATION**

The Compost Facility, for mulching of yard trash, will be located in the Northwest corner of the Citrus County Central Landfill 80 Acre Expansion Site, and will be commonly known as "Recycle Alley". This site is located within two hundred feet (200') of the Scalehouse Plaza and/or the Operations/Administrative Offices, which allows for immediate proximity to outside communications by an attendant in the event of an emergency.

The facility will be operated in a safe manner and nuisance free. In the event of odor, steps will be taken to chemically treat or remove the material.

Being 100% yard trash, and classified as a Type Y material, it will be placed in an orderly fashion in an area designated for brush and yard clippings. Once enough material is generated, it will be reduced either by a wood chipper (Vermeer), and for larger logs up to 12 inches in diameter, it will be ground by a "WHO" tub grinder. Ground-up and chipped material will then be relocated to the curing area, and placed upon a concrete slab 200' x 50' in neat windrows. As required, using composting technology, the windrows will be turned over by a 950 Rubber Tire Front End Loader.

During hours of operation, "Recycle Alley" shall be staffed by an attendant, who will assist the public in locating materials into the designated areas, and to avoid the commingling of solid waste with the yard trash. The attendant shall be equipped with a portable radio to allow for communications with other staff members on the Landfill site.

At present, the processed material is being utilized by other County agencies and commercial businesses, at no charge.

All regulations established by the Florida Department of Environmental Regulation, 17-709.515 F.A.C., Operation Criteria, shall be complied with.