

# Board of County Commissioners

## Department of Public Works

Post Office Box 167, Lecanto, Florida 34460

(904) 746-4107

Fax (904) 746-1203

Certified/Return Receipt  
Z 792 156 510

7645500

July 19, 1995

Kim B. Ford, P.E.  
Solid Waste Section  
Department of Environmental Protection  
3804 Coconut Palm Dr.  
Tampa, FL 33619

**RECEIVED**  
JUL 24 1995

Department of Environmental Protection  
SOUTHWEST DISTRICT  
BY \_\_\_\_\_

**Re: Citrus County Central Landfill Waste Tire Processing Facility  
Permit Application Renewal - Permit No. S009-187229**

Dear Mr. Ford:

Enclosed please find one original and five copies of the Waste Tire Facility Permit Application together with application fee in the sum of \$1,250.00. This application is in conjunction with Permit Application and Engineering Report submitted on May 22, 1995 by CH2M Hill, for the Citrus County Central Landfill Phase 2 Expansion.

If further information or clarification is required, please let me know.

Sincerely,

*Susan J. Metcalfe*

Susan J. Metcalfe, P.G.  
Director, Solid Waste Management Division

SJM:cjw

CC: Gary Kuhl, P.E., Director, Dept. of Public Works  
Thomas E. Fears, P.E., Engineer III, Engineering Division  
Gary Panozzo, P.E., CH2M Hill

Facilities Maintenance  
Post Office Box 143  
Lecanto, Florida 34460  
(904) 527-0333 Fax 527-0654

Fleet Management  
Post Office Box 215  
Lecanto, Florida 34460  
(904) 746-6888 Fax 746-1203

Road Maintenance  
Post Office Box 167  
Lecanto, Florida 34460  
(904) 746-4107 Fax 746-1203

Solid Waste Management  
Post Office Box 340  
Lecanto, Florida 34460  
(904) 746-5000 Fax 527-1204



# Department of Environmental Protection

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

DEP Form # 62-711.900(6)
Form Title <u>Waste Tire Processing Facility Permit Application</u>
Effective Date <u>February 28, 1994</u>
DEP Application No. _____ (Filled in by DEP)

## Waste Tire Processing Facility Permit Application

**RECEIVED**  
JUL 24 1995

Permit No. S009-187229 Renewal  Modification  Existing unpermitted facility  Proposed new facility   
BY SOUTH WEST DISTRICT

### Part I-General Information:

#### A. Applicant Information:

- Applicant Name: CITRUS COUNTY - BOARD OF COUNTY COMMISSIONERS C/O DIVISION OF SOLID WASTE MANAGEMENT
- Applicant Street Address 111 WEST MAIN STREET
- City INVERNESS County CITRUS Zip 34450
- Applicant Mailing Address P. O. BOX 340
- City LECANTO County CITRUS Zip 34460
- Contact person SUSAN J. METCALFE Phone ( 904 ) 746-5000
- Have any enforcement actions 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.  
INCLUDED IN PERMIT RENEWAL SUBMITTED BY CH2M HILL 5-22-95. PLEASE SEE APPENDIX C.

#### B. Facility Information:

- Facility Name CITRUS COUNTY CENTRAL LANDFILL
- Facility Street Address (Main Entrance) 230 W. GULF-TO-LAKE HWY.
- City LECANTO County CITRUS Zip 34460
- Facility Mailing Address P. O. BOX 340
- City LECANTO State FL Zip 34460
- Contact Person SUSAN J. METCALFE Phone ( 904 ) 746-5000

#### Facility Location Coordinates

- Section 1 Township 19S Range 18E
- Latitude 28° 51' 08" Longitude 82° 26' 38"
- Anticipated date for starting construction N/A and for completion of construction N/A
- Anticipated date for receipt of tires (RENEWAL) and for start of processing VARIES (PER CONTRACT).

**C. Land Owner Information (if different from applicant):**

1. Owner's name APPLICANT
2. Land owner's mailing address \_\_\_\_\_
3. City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_
4. Authorized Agent: \_\_\_\_\_ Agent's phone( \_\_\_\_\_ )
5. Current lease expires \_\_\_\_\_

**D. Facility Operator Information (if different from applicant):**

1. Operator's name APPLICANT
2. Operator's mailing address \_\_\_\_\_
3. City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_
4. Contact person \_\_\_\_\_ Phone( \_\_\_\_\_ )

**E. Preparer of Application:**

1. Name of person preparing application: SUSAN J. METCALFE
2. Mailing address P. O. BOX 340
3. City LECANTO State FL Zip 34460
4. Phone( 904 ) 746-5000
5. Affiliation with facility: DIRECTOR, DIVISION OF SOLID WASTE MANAGEMENT

**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 STORAGE WITH CONTRACT TO SHRED OR OPTION FOR REMOVAL TO FUEL BOILER ON A QUARTERLY BASIS.

**C. 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>10,000</u>	_____	_____	<u>115</u>
Processed tires:	_____	_____	_____	_____	_____
Processing residuals:	_____	_____	_____	_____	_____
<b>TOTALS:</b>	<u>115</u>	<u>10,000</u>	_____	_____	<u>115</u>

- 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 N/A
2. Street address \_\_\_\_\_
3. City \_\_\_\_\_ County \_\_\_\_\_ Zip \_\_\_\_\_

- F. Facilities that will be delivering processed tires to consuming facilities must describe the existing or proposed markets for those processed tires.

WHOLE WASTE TIRES WILL BE TRANSPORTED TO THE FLORIDA CRUSHED STONE COMPANY FUEL PREPARATION FACILITY IN BROOKSVILLE, FLORIDA FOR USE AS A SECONDARY FUEL SOURCE IN THE CEMENT KILN. COPY OF DEP PERMIT NO. A027-231888A ATTACHED.

**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.
- D. Attach proof of financial responsibility as requirement by Rule 62-711.510(2) 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 CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS is aware that statements made in this form and attached information are an application for a RENEWAL 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 Department will be notified prior to the sale or legal transfer of the facility.

<u><i>Susan J. Metcalfe</i></u>	<u>SUSAN J. METCALFE, DIRECTOR</u>	<u>7-19-95</u>
Signature of Applicant or Authorized Agent	Name and Title	Date

**B. Professional Engineer registered in Florida.**

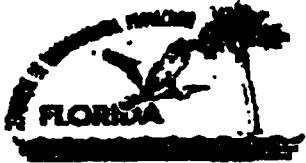
This is to certify that the engineering features of this waste tire processing facility have been designed/examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated will comply with all 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.

<u><i>Thomas E. Fears</i></u>	<u>DEPT. OF TECHNICAL SERVICES</u>
Signature	Mailing Address
<u>THOMAS E. FEARS, P.E., ENGINEER III</u>	<u>LECANTO, FL 34460</u>
Name and Title	City, State, Zip
<u>PE0015234</u>	<u>(904) 746-2694</u>
Florida Registration Number	Telephone number

7-19-95  
Date



Mail completed form to  
appropriate district office.



## Department of Environmental Protection

Lawton Chiles  
Governor

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

Virginia B. Weatherall  
Secretary

**PERMITTEE:**  
Florida Crushed Stone Company  
Post Office Box 1508  
Brooksville, Florida 34605-1508

**PERMIT/PROJECT:**  
Permit: A027-231888A  
County: Hernando  
Originally Issued: 03/11/94  
Amended Date: 08/30/94  
Expiration Date: 03/15/99  
Project: Cement Plant Kiln,  
Clinker Cooler, Raw Mill and  
Limestone Dryer

This amended permit is issued under the provisions of Chapter 403, Florida Statutes, Chapter 62-4, and Chapters 62-200 through 62-297, Florida Administrative Code. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the operation of the cement plant kiln with a maximum clinker production capacity of 83.0 tons per hour, the clinker cooler, raw mill and limestone dryer located at the Florida Crushed Stone Company (FCSC) facility. The cement kiln is preheated with fuel oil, fired with coal as the main fuel, and utilizes tires as supplemental fuel. The sum total maximum heat input to the cement kiln is equivalent to 10.3 tons per hour of coal. The utilization of tires as supplemental fuel is limited to 1.33 tons per hour of tires, and shall not exceed 15% of the maximum total heat input to the cement kiln. Waste heat from the kiln is used to operate the limestone dryer. Emissions from the cement kiln, clinker cooler, raw mill and limestone dryer are controlled by the main Cement Power and Lime (CPL) plant baghouse.

Location: Cobb Road, two (2) miles Northwest of Brooksville  
UTM: 17-360.0 E 3162.4 N  
NEDS No: 0021  
Point ID No: 20  
APIS ID: 40-TPA-27-0021-20

Replaces Permit: A027-231888, issued 03/11/94.

CITRUS COUNTY CENTRAL LANDFILL  
WASTE TIRE PROCESSING FACILITY PERMIT APPLICATION

PART III - ATTACHMENTS REPORT  
RENEWAL - PERMIT NO. SO09-187229

BY

CATHLEEN J. WINTER  
SOLID WASTE TECHNICIAN II

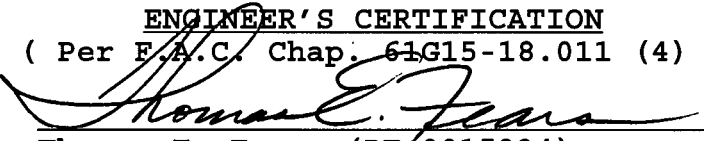
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF SOLID WASTE MANAGEMENT  
P. O. BOX 340  
LECANTO, FLORIDA 34460  
(904) 746-5000

FOR

CITRUS COUNTY CENTRAL LANDFILL  
230 W. GULF TO LAKE HIGHWAY  
LECANTO, FLORIDA 34461

JULY, 1995

ENGINEER'S CERTIFICATION  
( Per F.A.C. Chap. 61G15-18.011 (4) )

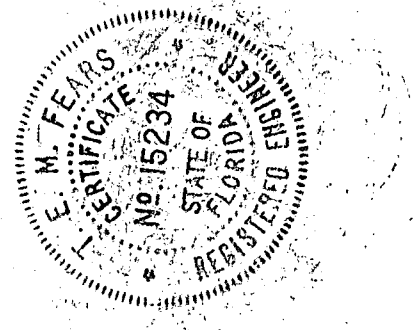
  
Thomas E. Fears (PE 0015234)

Date: July 19, 1995

29 Pages, including this Page.

(Seal)

Note: If this is an original document,  
copies have been retained by me per F.A.C.  
Chap. 61G15-23.002(3), and responsibility  
for any unauthorized subsequent changes by  
others to the originals does not reside with  
me.



**A. FACILITY DESIGN:**

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1. **A topographic or section map of the facility.**

Topographic map included with the Operational Permit Renewal submitted by CH2M Hill, May 22, 1995. Please see Section E.

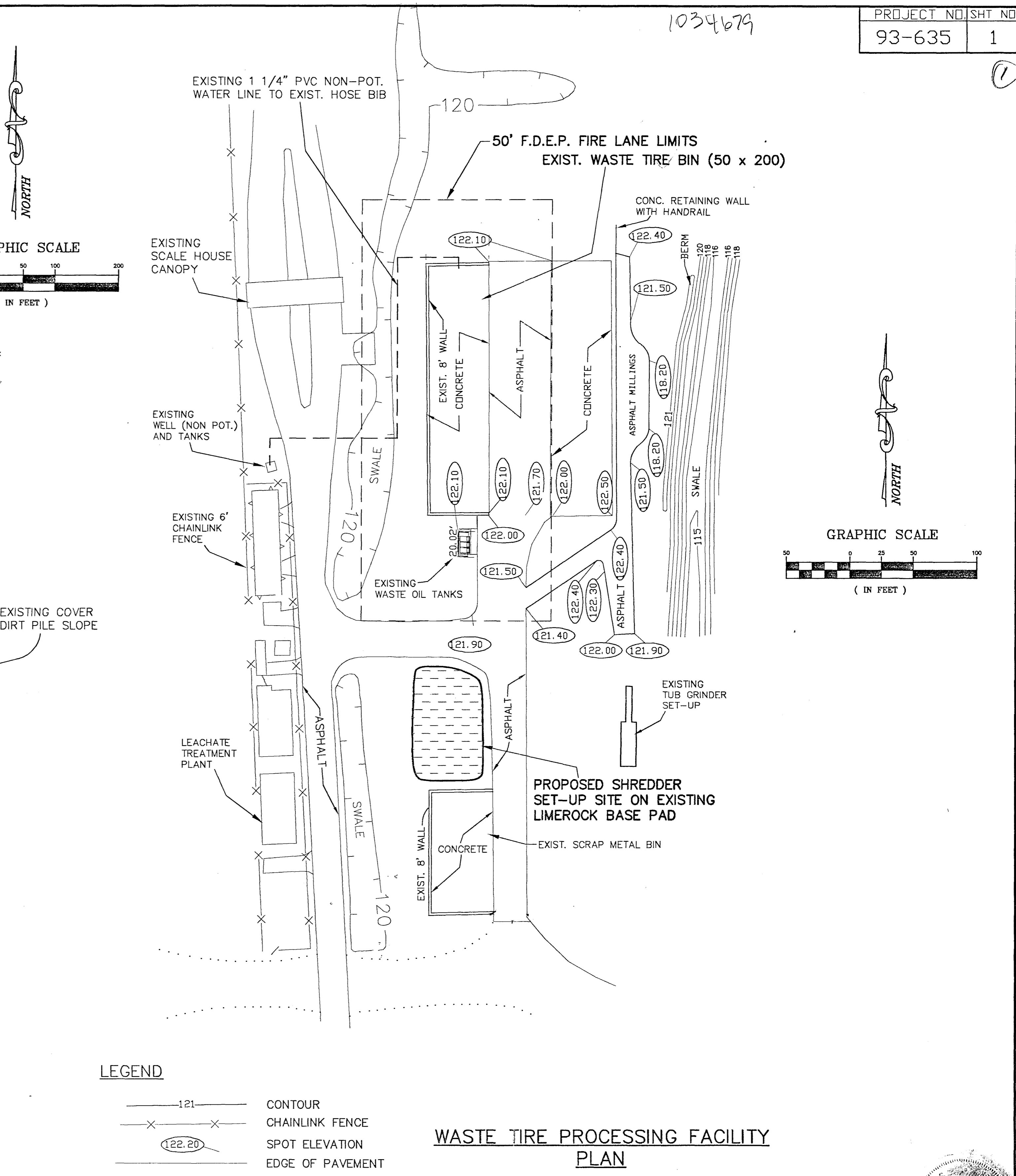
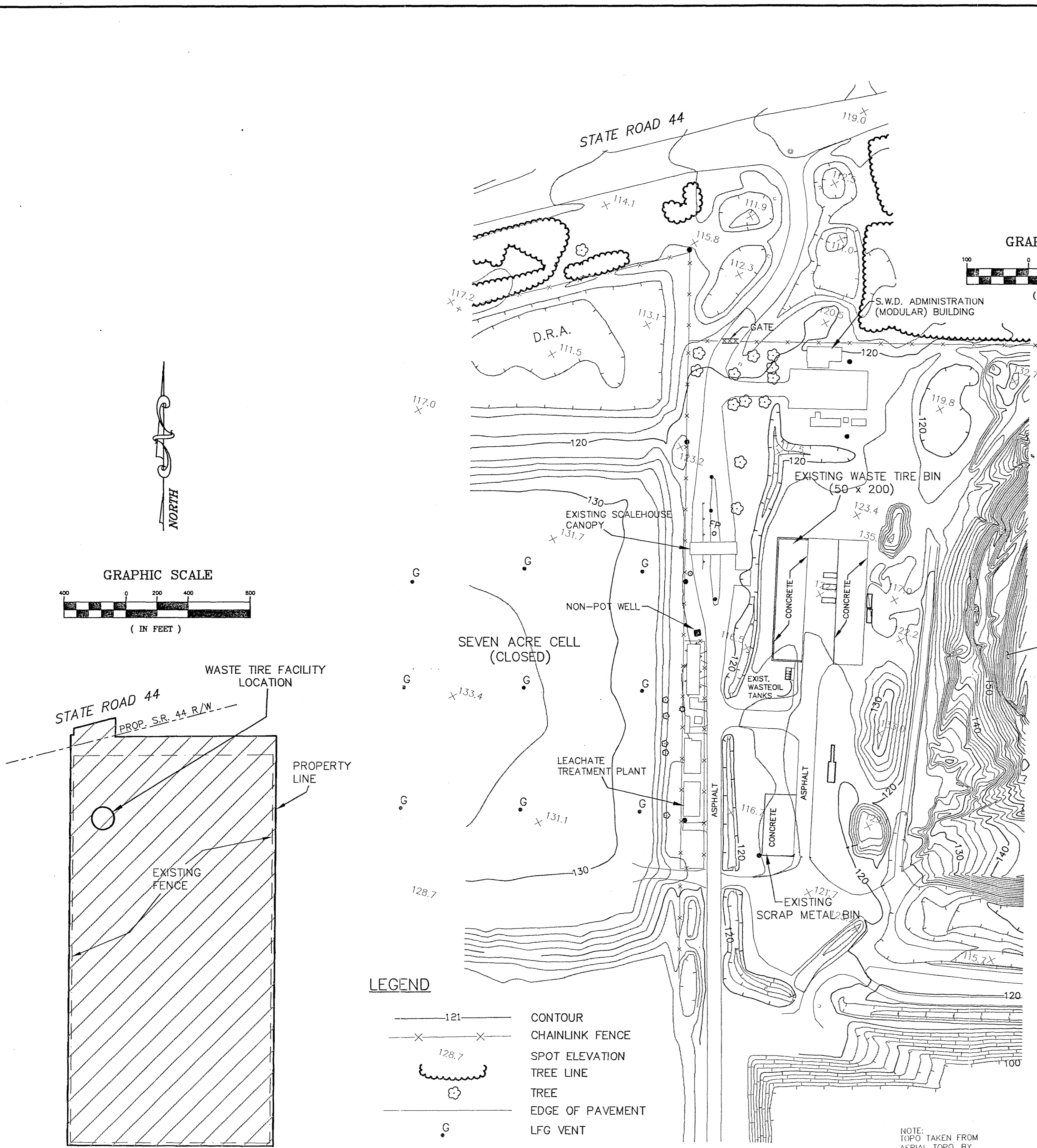
2. **Plot plan of the facility.**

A Facility Design Plan is attached and made a part hereof.



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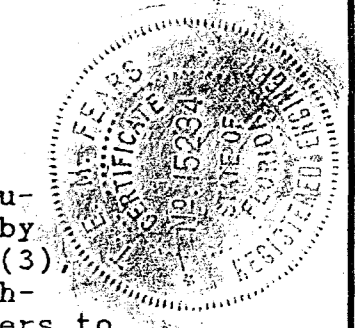


OVERALL 80 ACRE SITE  
WASTE TIRE PROCESSING FACILITY  
LOCATION MAP

WASTE TIRE PROCESSING FACILITY  
TOPOGRAPHIC MAP

WASTE TIRE PROCESSING FACILITY  
PLAN

Note: If this is an original document, copies have been retained by me per F.A.C. Chap. 61G15-23.002(3) and responsibility for any unauthorized subsequent changes by others to the originals does not reside with me.



PROJECT NO. 93-635  
F.B. NO. XX  
PGS. XX  
MODEL  
DESIGN XX  
CHECKED  
DATE

**CITRUS COUNTY**  
DEPARTMENT OF TECHNICAL SERVICES  
DIVISION OF ENGINEERING

1300 S. LECANTO HWY.  
LECANTO, FLORIDA 34461  
(904)746-2694

NO.	DATE	REVISION	APP'D. BY	NO.	DATE	REVISION	APP'D. BY

CENTRAL LANDFILL  
WASTE TIRE PROCESSING  
FACILITY

FACILITY  
DESIGN PLAN

ENGINEER'S CERTIFICATION  
Per *Thomas E. Fears* Chap. 61G15-18.011(4)  
REGISTERED ENGINEER NO. 0015234  
STATE OF FLORIDA  
DATE: *July 18, 1995*

SCALE: AS SHOWN  
DATE: JULY 1995  
PLAN SET: XXXXXX  
FILE NAME: DWRLAY (H)  
SEC. 1 TWP. 19RGE18  
SHT 1 OF 1

**B. FACILITY OPERATION**

- 1. A description of the facility's operation, process and products including how waste tires will be received and stored.**

-----

The Citrus County Central Landfill is open during the hours of 8:00 a.m. to 4:30 p.m. to receive waste for disposal or storage in designated locations according to material type.

The 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 for tare upon exiting. Tare weights are recorded in the computer for all regular customers using designated vehicles enabling them to forgo the reweigh process. All transactions involving up to 5 individual passenger car tires are approximated at 20 pounds per tire, the equivalent of 100 tires per ton.

All tires are off-loaded into the 10,000 sq. ft. Waste Tire Storage Facility Bin located within the Recycle Alley area of the Central Landfill.

Two tire piles are designated within this area; 1) Tires with rims; 2) Tires only.

The Landfill maintains a contract with a private company for quarterly removal, with options as follows:

- 1) On-site shredding; The contractor's equipment is mobilized to the Landfill's Waste Tire Processing Area. The waste tires are relocated to this area where the equipment shreds 70 percent of individual tires to 4 square inches or less. The material is then relocated to the Landfill's intermediate dirt stockpile for daily cover.

- 2) Shipped for use as a secondary fuel source; The whole waste tires are loaded into tractor trailers and shipped to GeoTech Industries/ Florida Crushed Stone Company Fuel Preparation Facility in Brooksville, Fl for use as a secondary fuel source for their cement kiln.

**B. FACILITY OPERATION - 1. continuation**

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The County also maintains a contract with a private company for the weekly removal of truck tires for the purpose of recapping and re-use.

Daily records are converted into monthly records through the use of the computer files allowing for the tracking and comparison of data on a monthly and yearly basis.

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.

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The current company under contract owns tire shredding equipment manufactured by the Columbus McKinnon Corporation and a tire de-rimming machine.

The shredder has a manufacturer's rated capacity of producing up to 15 tons per hour.

Waste Tire Processing Facility Permit Application  
Attachment - page 5

3. Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of.

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The Citrus County Central Landfill receives approximately 450 tons more or less of waste tires on an annual basis.

Approximately one-third (1/3) of the tires received contain metal rims.

Prior to shredding or shipping, the metal rims are removed by the contractor and relocated to the scrap metal bin and commingled with other metals awaiting removal by a scrap metal dealer.

No other significant waste is created from the process.

4. Statement of the maximum daily throughput and the planned daily and annual throughput.

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The Citrus County Central Landfill receives approximately one and one-half (1.5) tons of tires on a daily basis for storage or approximately 450 tons annually.

The County's site master plan projects an annual increase of one percent (1%) (more or less) per year on the amount of tires to be received by the facility.

5. A description of how the operator will maintain compliance with each of the storage requirements of rule 62-711.540, F.A.C.
- 

(1) All waste tire sites, collection centers, processing facilities, and disposal facilities which store waste tires shall comply with the following technical and operational standards:

(a) If the site receives waste tires from the public, a sign shall be posted at the entrance of the site stating operating hours, cost of disposal and site rules.

The public utilizing the Central Landfill is required to pass through the Scalehouse Plaza before being allowed access to the waste tire site. A sign is posted at this facility indicating the 1) hours of operation: 8:00 a.m. to 4:30 p.m. Monday through Friday and 8:00 a.m. to 2:30 p.m. on Saturday, Closed Sunday; 2) Cost of Disposal: \$1.00/car tire up to 5 per vehicle or \$100.00/ton; 3) Site rules: All Landfill users are required to have a receipt in their possession while on site. Receipts may be checked.

(b) No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile.

There are no operations involving open flames within 200 feet of the waste tire pile.

(c) An attendant shall be present when the site is open for business if the site receives waste tires from the public.

The waste tire site is located within the material separation and recycling facility commonly known as Recycle Alley. Landfill Operation's Staff are assigned to work projects within the facility area during operational hours.

(d) Fire protection services for the site shall be assured through notification to local fire protection authorities. A fire safety survey shall be conducted at least annually and the survey report shall be made part of the next quarterly report.

A current fire safety survey dated 7-12-95 is included as part of this application and will be included in the next quarterly report.

Annual surveys shall be completed and included in the quarterly report.

B. FACILITY OPERATION - 5. continuation

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(e) The operator of the site shall prepare and keep at the site an emergency preparedness manual. A copy of the current manual shall be kept at an off-site location designated by the operator. The manual shall be updated at least once a year and upon changes in operations at the site.

A copy of the current manual is attached hereto and made a part of this application.

(f) The operator of the site shall immediately notify the Department in the event of a fire or other emergency which poses an unanticipated threat to the public health or the environment. Within two weeks of any emergency, the operator of the site shall submit to the Department a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions.

This reporting procedure is contained in the current emergency preparedness manual attached hereto and made a part of this application.

(g) The operator of the site shall maintain records of the quantity of waste tires received at the site, stored at the site, and shipped from the site.

These records are prepared utilizing the refuse computer system and maintained on site by the Operator. Waste Tire Processing Facility Quarterly Reports are also forwarded to the Department of Environmental Protection containing this information.

(h) If the operator of the site is not the owner of the property, the operator shall obtain written authorization to operate the facility from the owner of the property.

The owner and operator of the site is the Citrus County Board of County Commissioners.



**B. FACILITY OPERATION - 5. continuation**

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(i) Communication equipment shall be maintained at the waste tire site to assure that the site operator can contact local fire protection authorities in case of a fire.

The Waste Tire Site is located in the northwest section of the Central Landfill 80 Acre Expansion Site. This facility is located within two hundred feet of the Scalehouse Plaza and/or other Operations and Administrative Offices. This allows for immediate proximity to outside communications/assistance by staff in the event of an emergency.

(j) The owner or operator shall provide for control of mosquitoes and rodents so as to protect the public health and welfare.

Mosquito control is established through a routine spraying schedule and periodic site inspections by the Citrus County Mosquito Control Section. No visible rodent population currently exists at Recycle Alley.

(k) An approach and access road to the waste tire site shall be kept passable for any motor vehicle at all times.

All access roads to the waste tire site are kept passable for any motor vehicles utilizing the facility during operational hours.

B. FACILITY OPERATION - 5.

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(2) All waste tire sites, collection centers, processing facilities, and disposal facilities which store waste tires indoors must comply with the following additional technical and operational standards:

This section is not applicable to the Citrus County Central Landfill Waste Tire Site.

(3) All waste tire sites, collection centers and any processing or disposal facilities which store waste tires outdoors must comply with the following additional technical and operational standards:

(a) A waste tire site shall not be constructed, maintained or operated in or within 200 feet of any natural or artificial body of water, including wetlands within the jurisdiction of the Department, except bodies of water contained completely within the property boundaries of the facility which do not ordinarily discharge from the site to surface waters. A person may maintain a waste tire site within the 200-foot setback area upon demonstration to the Department, as part of a permit application or modification, that permanent control methods for residuals will result in compliance with water quality standards in Chapters 62-330, F.A.C., as applicable. The site shall be managed in such a way as to divert stormwater or floodwaters around and away from the storage piles. This section shall not apply to artificial reefs constructed pursuant to Department permit.

The Citrus County Central Landfill Waste Tire Site is not constructed within 200 feet of any natural or artificial body of water, including wetlands.

(b) An outdoor waste tire pile shall have no greater than the following maximum dimensions:

1. Width: 50 feet;
2. Area: 10,000 square feet; and
3. Height: 15 feet.

The waste tire site construction consists of:

1. Permanent concrete slab 200 feet by 50 feet;
2. Total storage area 10,000 square feet; and
3. 8 foot high concrete wall on three sides.

**B. FACILITY OPERATION - 5. continuation**

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(c) A 50-foot wide fire lane shall be placed around the perimeter of each outdoor waste tire pile. Access to the fire lane for emergency vehicles must be unobstructed at all times.

The Citrus County Central Landfill maintains a 50-foot wide fire lane around the perimeter of the waste tire site. A permanent waste oil drop-off site is constructed on the south end of the facility. The operator has obtained a letter from Citrus County Fire Prevention stating that the construction of the oil site would not interfere with the mobilization of fire equipment in the event of a 911 emergency. Copy attached and made a part hereof.

(d) Access to the site shall be controlled through the use of fences, gates, natural barriers or other means.

The entire perimeter of the Citrus County Central Landfill is enclosed by a six foot high chain link fence topped by three strands of barbed wire. Public access to the Central Landfill 80 Acre Expansion Site is restricted to one entrance road which passes through a six foot high gate that is locked after normal operational hours.

(e) The site shall be bermed or given other adequate protection if necessary to keep liquid runoff from a potential waste tire fire from entering water bodies.

The waste tire site construction consists of a permanent concrete slab surrounded by the Central Landfill Facility and is not constructed within 200 feet of any natural or artificial body of water.

(f) The waste tire site shall be kept free of grass, underbrush, and other potentially flammable vegetation at all times.

No vegetation exists within the waste tire site storage bin. The waste tire processing area consists of a limerock base which is kept free from grass and potentially flammable vegetation.

# interoffice

## MEMORANDUM

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**To:** Cathy Winter, Solid Waste Tech II

**From:** William M. Connell, Chief, Fire Prevention Division *W.M.C.*

**Date:** July 19, 1995

**Ref:** Waste Tire Storage Facility Permit Application

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Cathy, please note that after reviewing the county's tire storage facility and permanent waste oil drop-off site, all conditions which were originally required by this division are being strictly adhered to.

There have been no changes to the tire storage area and the non-combustion construction and separating distances of the waste oil storage meet all fire code requirements. The roadway for emergency vehicle access is open and unobstructed as required and access to the facility is secured by fences and the manned central weigh station.

If you need any additional response from this office concerning the re-permitting of waste tire site, please feel free to call upon me. Sorry that this reply was not sent to you sooner, however, again I was under the impression that it had already been handled.

B. FACILITY OPERATION - 5. continuation

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(4) For all waste tire sites, collection centers, processing facilities, and disposal facilities which store processed waste tires, the temperature of any above-ground piles of compacted, processed tires over eight feet high shall be monitored and may not exceed 300 degrees Fahrenheit. Temperature control measures shall be instituted so that pile temperature control measures shall be instituted so that pile temperatures do not exceed 300 degrees Fahrenheit. Temperature monitoring and controls are not required for processed tires disposed of in permitted landfills.

During the shredding operation for the tires, the material is discharged from the equipment into roll-off containers. The containers are then emptied into the Landfill's intermediate dirt stockpile for daily cover.

(5) Any residuals from waste tire processing must be managed so as to be contained on-site, and must be controlled and disposed of in a permitted solid waste management facility or property recycled.

Residuals from the waste tire processing are disposed of in the Central Landfill lined disposal area. Metal rims are relocated to the Scrap Metal bin for recycling.

**B. FACILITY OPERATION:**

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.

-----

A copy of the emergency preparedness manual for the Waste Tire Facility is attached.

The on-site copy of this manual is maintained in the Administrative Office of the Division of Solid Waste Management, located at the Citrus County Central Landfill, 230 W. Gulf to Lake Highway, Lecanto, Florida 34460.

The off-site copy of this manual is maintained in the County's Fire Services Office at the Inverness Fire Station, 285 South Kensington Avenue, Lecanto, Florida 34460.

Waste Tire Processing Facility Permit Application  
Attachment - 13

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, FLORIDA 34460

(904) 746-5000

JULY, 1995

Waste Tire Processing Facility Permit Application  
Attachment - 13

**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/Processing 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.

Approximately 115 tons of waste tires are accumulated and stored on site between quarterly removals.

The on-site copy of this manual is maintained in the Administrative Office of the Division of Solid Waste Management located at the Central Landfill.

The off-site copy of this manual is maintained in the County's Public Safety Department at the Inverness Fire Station, 285 South Kensington Avenue, Lecanto, Florida 34460.

**B. EMERGENCY NOTIFICATION LIST:**

**PUBLIC SAFETY DEPARTMENT:** (904) 726-1606  
-Fire Services  
-Fire Prevention  
-Hazardous Material Section  
285 South Kensington Avenue  
Lecanto, Florida 34461

**EMERGENCY RESPONSE:** 911  
3425 West Southern Street  
Lecanto, Florida 34461

**ENVIRONMENTAL:** (813) 744-6100  
Department of Environmental Protection  
Division of Waste Management  
3804 Coconut Palm  
Tampa, Florida 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 Section Chief shall be notified immediately and he/she shall notify 911 and mobilize on site equipment, a 500 gallon water truck, 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:

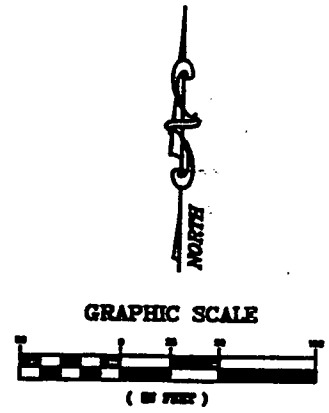
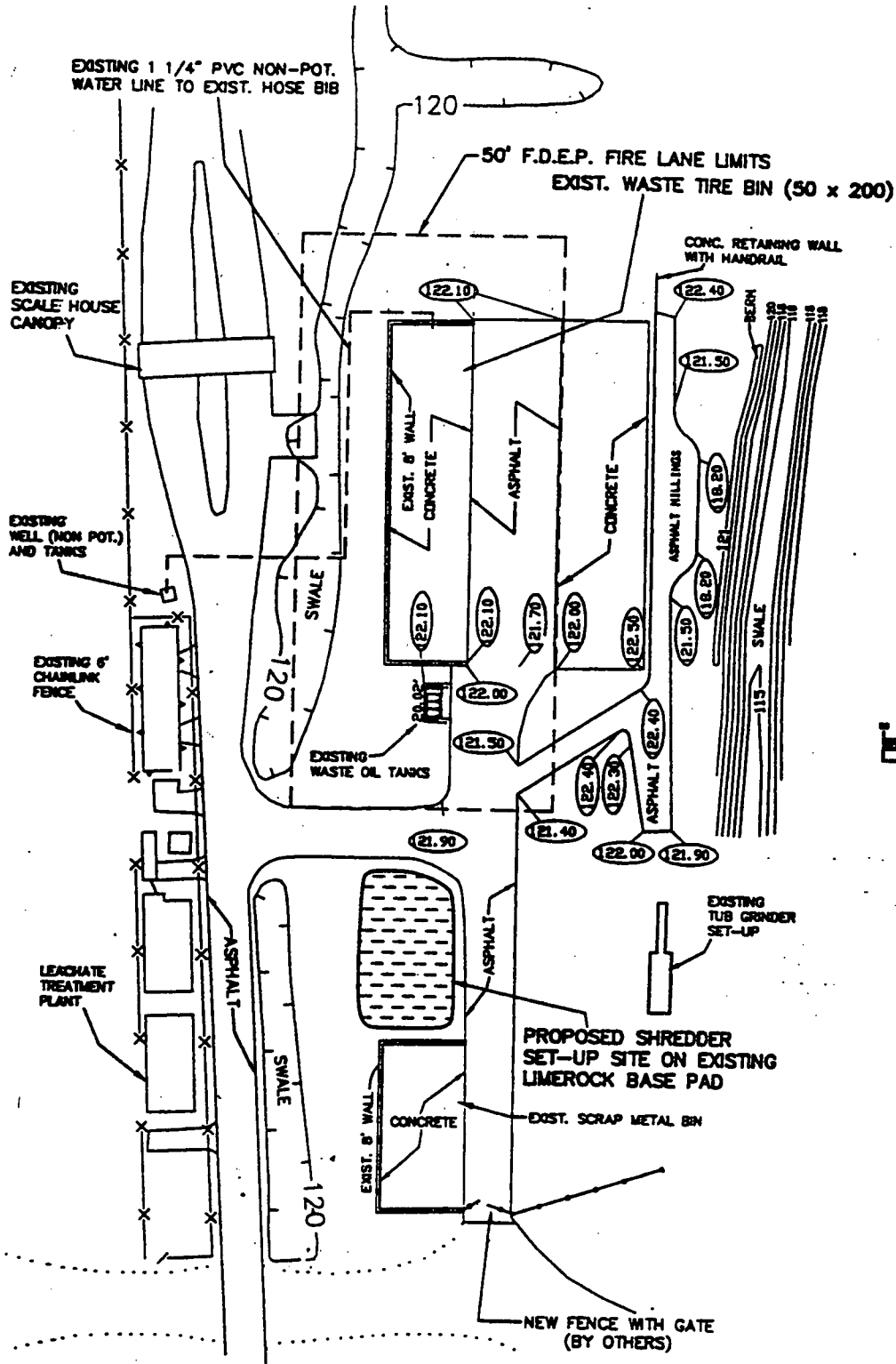
- 1) The area shall be diked with absorbent to prevent spreading;
- 2) Absorbents shall be spread to clean up material;
- 3) The absorbents shall be contained in 55 gallon steel drums;
- 4) The drums shall be properly disposed of through the County's Hazardous Waste Disposal Contractor.

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

**D. FOLLOW UP**

Within two weeks of an emergency the operator of the site shall submit to the Department a written report on the emergency. The report shall describe the origins of the emergency, the actions that were taken, the results of the actions and an analysis of the success or failure of the actions.

WASTE TIRE PROCESSING FACILITY PERMIT APPLICATION  
 ATTACHMENT - 13



- 122— CONTOUR
- X— CHAINLINK FENCE
- (22.20) SPOT ELEVATION
- |— EDGE OF PAVEMENT
- ..... EDGE OF DIRT DRIVE

WASTE TIRE PROCESSING FACILITY  
 PLAN

**B. FACILITY OPERATION:**

7. A copy of the fire safety survey.
- 

A copy of the fire safety survey completed by Citrus County Fire Prevention is attached.

# CITRUS COUNTY FIRE PREVENTION INSPECTION REPORT

NAME OF BUSINESS Central Landfill Waste Tire Slc FILE# \_\_\_\_\_  
 ADDRESS 230 W Gulf Lake Hwy CITY Lecanto PHONE# 746-5000  
 PLAZA  Yes  No UNIT# \_\_\_\_\_  
 OWNER/OCCUPANT'S NAME \_\_\_\_\_ PHONE # \_\_\_\_\_  
 INSPECTION TYPE  INITIAL  REINSPECTION  REQUEST  CONSTRUCTION  OTHER \_\_\_\_\_  
 OCCUPANCY CLASSIFICATION:  PUBLIC ASSEMBLY  HEALTH CARE  MERCANTILE  INDUSTRIAL/FACTORY  
 EDUCATIONAL  BUSINESS  RESIDENTIAL  STORAGE  DETENTION/PENAL  
 MIXED  OTHER \_\_\_\_\_ SQUARE FOOTAGE 47,196.8  
 OCCUPANT LOAD \_\_\_\_\_ TYPE CONSTRUCTION  1  2  3  4  5  6  MH  
 COUNTY OCCUPATIONAL LICENSE # \_\_\_\_\_ CITY OCCUPATIONAL LIC. # \_\_\_\_\_  
 FIRE DISTRICT  1  2  3  4  5  6  7  8  9  10  11  12  13 WATER DISTRICT \_\_\_\_\_

### NOTED VIOLATIONS

- |   |   |
|---|---|
| <p><b>401. PERMITS</b><br/>                 401.2.2 ___ Permit Required</p> <p><b>502. FLAMMABLE/COMBUSTIBLE MATERIALS</b><br/>                 502.1 ___ Accumulation of waste material<br/>                 502.2 ___ Handling of readily combustible materials<br/>                 502.3 ___ Storage of readily combustible materials<br/>                 502.9 ___ Vacant structures</p> <p><b>504. US OF EQUIPMENT/APPLIANCES &amp; DEVICES</b><br/>                 504.1 ___ Heating/AC appliances<br/>                 504.2 ___ Maintenance of chimneys &amp; heating appliances<br/>                 504.2.4 ___ Hood systems/cooking equipment<br/>                 504.2.5 ___ Hood extinguishing system<br/>                 504.7 ___ Fire walls, Fire doors<br/>                 504.7.1 ___ Openings/penetration of fire walls/doors</p> <p><b>602. FIRE CONTROLS</b><br/>                 602.5.1 ___ Obstructing hydrants<br/>                 602.6 ___ Fire Apparatus access</p> <p><b>603. FIRE PROTECTION SYSTEMS &amp; APPLIANCES</b><br/>                 603.3.1 ___ Fire extinguishers required<br/>                 TYPE <u>H.C.</u> Number <u>1</u><br/>                 603.1.4 ___ Inspection required<br/>                 Date of inspection tag <u>June 95</u><br/>                 603.4 ___ Defective extinguisher<br/>                 603.3.1 ___ Improper mounting<br/>                 603.3.1 ___ Not readily accessible</p> <p><b>603.7 FIRE ALARM SYSTEM</b><br/>                 603.7.1 ___ System required<br/>                 NFPA 72 ___ System inoperative<br/>                 NFPA 72 ___ System improper type<br/>                 ___ Inspection required<br/>                 Date of inspection tag _____</p> <p><b>603.1.5 SPRINKLER SYSTEMS</b><br/>                 603.15.1 ___ Testing required<br/>                 NFPA 13 ___ Valves closed/blocked<br/>                 NFPA 13 ___ Fire Dept. connection not accessible<br/>                 Date of inspection tag _____<br/>                 603.15.1 ___ Inspection required</p> <p><b>701. ELECTRICAL GENERAL REQUIREMENTS</b><br/>                 701.2.1 ___ Electrical System does not comply to N.E.C.<br/>                 701.0.2 ___ Open junction boxes/splices<br/> <input type="checkbox"/> NO VIOLATIONS NOTED</p> | <p><b>703. EXTENSION CORDS</b><br/>                 703. ___ Improper use/type<br/>                 703.2 ___ Non-ground type<br/>                 703.2 ___ Improper size of cord</p> <p><b>801. EXITS</b><br/>                 801.1.4 ___ Inadequate exits<br/>                 802.1.1 ___ Exit - egress blocked<br/>                 802.1.1 ___ Exit locked<br/>                 802.1.5 ___ Improper exit discharge<br/>                 807.2.1 ___ Exit Signs Required</p> <p><b>803. DOORS</b><br/>                 803 ___ Improper type/size<br/>                 803 ___ Panic hardware required<br/>                 803 ___ Door inoperative/blocked</p> <p><b>807. EXIT SIGNS/EMERGENCY LIGHTS</b><br/>                 807.1.1 ___ Exit signs not illuminated<br/>                 807.2 ___ Exit signs not provided<br/>                 807.2 ___ Exit signs improper type<br/>                 807.1.3 ___ Emergency lighting improper<br/>                 807.1.3 ___ Emergency lights inadequate</p> <p><b>802.2 OVERCROWDING</b><br/>                 ___ Capacity exceeding rated load</p> <p><b>NEPA - 58 L.P. GAS</b><br/>                 58:3.5 ___ Improper installation<br/>                 58:3-9.4 ___ Improper tank location/usage</p> <p><b>901. FLAMMABLE/COMBUSTIBLE LIQUIDS</b><br/>                 901.7.1 ___ Improper dispensing devices<br/>                 902.1 ___ Improper aboveground tanks<br/>                 902.3 ___ Improper underground tanks<br/>                 904.2 ___ Storage inside buildings<br/>                 907.10 ___ Marine storage<br/>                 907.10.5.3 ___ No smoking signs required</p> <p><b>OTHER NFPA CODE VIOLATIONS</b><br/>                 Sec. _____<br/>                 502.3.2 ___ General Housekeeping<br/>                 ___ Other violations not noted above</p> |
|---|---|

REMARKS Re-Inspection okay

INSPECTOR I.D. 1 2 3 4 5 6 7 8 DATE/TIME OF INSPECTION 7-12-95 @ 9:30 ALPM

SIGNATURE [Signature] DATE REQUIRED FOR COMPLIANCE 1-1-1

SHEET \_\_\_\_\_ OF \_\_\_\_\_ SIGNATURE OF OCCUPANT [Signature]

Above violations may cause a fire, contribute to the spread of fire, or cause undue injury in the event of a fire. Violations must be corrected by the time allowed above. For additional information or assistance, please call 746-1335.

**B. FACILITY OPERATION:**

8. A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling.

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Citrus County will maintain an annual contract with a private company for the quarterly processing of waste tires for use as daily cover in this Landfill or quarterly relocation of the waste tires for use as a supplemental fuel source.

C. CLOSING PLAN FOR THE FACILITY AS REQUIRED BY RULE 62-711-700(2) AND (3), F.A.C.

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(2) In closing any waste tire site the owner or operator shall:

- (a) Stop public access to the site;
- (b) Post a notice indicating that the site is closed and giving the phone number of the county solid waste authority;
- (c) Notify the Department and county government of the closing;
- (d) Remove all waste tires and residuals to a waste tire processing facility, solid waste management facility authorized to accept waste tires, or a legitimate user of waste tires.
- (e) Remove any solid waste to a permitted solid waste management facility; and
- (f) Notify the Department when closing is complete.

Upon closing of the waste tire site at the Citrus County Central Landfill, the operator of the facility shall comply with the requirements of 62-711.700 (2) as stated above.

(3) All permits issued under this rule shall include an approved closing plan. The closing plan shall include:

(a) A description of how the closing requirements of subsection (2) above will be met:

1. The operator of the waste tire site shall stop public access to the site 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.

3. All waste tires shall be processed, removed from the site and relocated to the landfill lined disposal area, together with the processing residuals.

4. The operator shall notify the Department upon completion of closure and request site inspection.

C. CLOSING PLAN FOR THE FACILITY AS REQUIRED BY RULE 62-711-700(2) AND (3), F.A.C. - continuation

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(b) A closing schedule, including time period for completion;

The operator shall include the closing schedule in the notification to the Department of intent to close the site.

(c) A plan for site rehabilitation if any contamination or other threat to the public health or environment is discovered; and

The operator shall include a plan for site rehabilitation, if required, at time of notification to the Department of intent to close the site.

(d) Proof of financial assurance pursuant to Rules 62-711.510(2) - (4), F.A.C.

Included with Operational Permit Renewal Submittal by CH2M Hill, May 22, 1995. Please see Section Q. - Appendix H. and Appendix I.

Waste Tire Processing Facility Permit Application  
Attachment - page 18

D. PROOF OF FINANCIAL RESPONSIBILITY AS REQUIRED BY RULE 62-  
711.510(2) F.A.C.

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Proof of Financial Responsibility has been included with the  
Operational Permit Renewal Submitted by CH2M Hill, May 22, 1995.

Please see Section Q. - Appendix H. and Appendix I.



Waste Tire Processing Facility Permit Application  
Attachment - page 19

E. LETTER FROM LAND OWNER IF DIFFERENT FROM APPLICANT,  
AUTHORIZING USE OF THE LAND AS A WASTE TIRE PROCESSING  
FACILITY

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Non-applicable - Owner and Applicant is the Citrus County  
Board of County Commissioners.

- 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.

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No tires are consumed at the facility.

Waste Tire Processing Facility Permit Application  
Attachment - page 21

G. THE PERMIT FEE AS REQUIRED IN RULE 62-4, F.A.C.

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A check in the sum of \$1,250.00 is included with this permit application.

STATE OF FLORIDA  
COUNTY OF CITRUS  
INVERNESS, FLORIDA


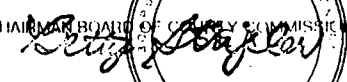
# County Warrant

No. 071136

DEPARTMENT	ACCOUNT	PUR. ORDER	INVOICE NUMBER	AMOUNT	DESCRIPTION
5218	54912		OP PERMIT	1,250.00	RENEW WASTE TIRE OP PERMT

PLEASE DETACH  
BEFORE DEPOSITING ↓

(1)

VOID IN 60 DAYS	STATE OF FLORIDA <b>County Warrant</b> COUNTY OF CITRUS INVERNESS, FLORIDA	No. 071136	07 115 611
SUN BANK & TRUST COMPANY INVERNESS, FLORIDA		DATE 06/13/95	
PAY One thousand two hundred fifty dollars and XX/100 cents	3270.1	AMOUNT \$1,250.00	
TO THE ORDER OF FLORIDA DEPT OF ENVIRONMENTAL PRO 3804 COCONUT PALM DRIVE TAMPA FL 33619-8318		CITRUS COUNTY ACCOUNTS PAYABLE	
CK NO. 071136	⑈071136⑈ ⑆063101153⑆ ⑆6990134054003⑈	  CHAIRMAN BOARD OF COUNTY COMMISSIONERS CLERK AND AUDITOR	