

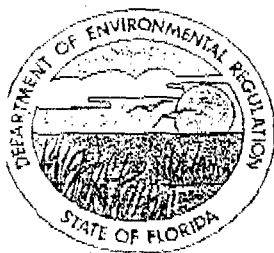
TO: SOUTHEAST WEST PALM

JUL-20-'92 MON 11:01

ID: DER WASTE MGMT TAL

FAX NO: (904) 922-4939

#144 P01



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

FAX TRANSMITTAL LETTER

DATE: 7/20/92

TO: Joe Lurix

AGENCY: DER - WPB

TELEPHONE: 407 433 2650 S/C 232-2650

NUMBER OF PAGES (INCLUDING COVER SHEET) 7

FROM: Bill Parker

AGENCY: DER - Solid Waste

If any of the pages are not clearly received, please call IMMEDIATELY,

Phone No. S/C 292-6104

SENDERS NAME: Bill Parker

COMMENTS: ① This is quantity estimate draft. Do you have any suggestions for the final.

② Terry will be sending a site report soon.

TO: SOUTHEAST WEST PALM

JUL-20-92 MON 11:02

DER WASTE MGMT TRL

FAX NO: (904) 22-4939

#144 P02

JUL-17-92 FRI

1:53

TAG RESOURCE REC.

713

3 7552

Florida Tire Recycling
Quantity Estimate
Draft 7/17/92

FLORIDA TIRE RECYCLING, INC

ST. LUCIE COUNTY, FLORIDA

WASTE TIRE QUANTITY ESTIMATE

Prepared for

The Florida Department of Environmental Regulation

by

T.A.G. Resource Recovery

JULY, 1992

THIS IS AN ENFORCEMENT DOCUMENT REQUESTED BY
JAMES BORMAN, ESQ. AND IS CONSIDERED A CONFIDENTIAL DOCUMENT
IN ENFORCEMENT PROCEEDINGS OF THE FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Florida Tire Recycling
Quantity Estimate
Draft 7/17/92

FLORIDA TIRE RECYCLING, INC
WASTE TIRE QUANTITY ESTIMATE

Objective

The Florida Department of Environmental Regulation requested an estimate of the quantity of waste tires and shreds present at the Florida Tire Recycling site as part of its enforcement action. A brief summary of the methodology, calculations and conclusions is provided below.

Methodology

The methodology used to estimate the quantity of waste tires present at this site is similar to that applied to all large waste tire sites previously examined within the State of Florida. A combination of on-site measurements and aerial photographs were used to calculate the volume occupied by defined areas of waste tires. Measurements and aerial photographs were taken by Mr. Terry Gray and Mr. Andrew Ronchak of T.A.G. Resource Recovery during a site visit on June 29 and June 30, 1992.

Volumes were then converted to quantity using density estimates based on on-site examination of individual pile characteristics and known densities associated with similar piles. Mr. Gray and Mr. Ronchak are Principals of T.A.G. with over 15 years of combined experience devoted specifically to waste tire management.

Calculations

A summary of the calculations used to define the quantity of whole waste tires and shreds at this site is provided in Exhibit 1. All segment estimates have been rounded to the nearest thousand. A schematic representation of the site denoting pile segments represented in this summary table is provided in Exhibit 2. All quantities are stated in passenger tire equivalents (PTE), with each PTE representing 20 pounds.

TO: SOUTHEAST WEST PALM

JUL-20-'92 MON 11:02 DER WASTE MGMT TAL
JUL-17-92 FRI 1:54 TAG RESOURCE REC.

FAX NO: (904) 22-4939
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Florida Tire Recycling
Quantity Estimate
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Summary

The estimated quantity of whole tires present on the site as of June 30, 1992 is approximately 600,000 passenger tire equivalents. This total is almost equally divided between passenger, truck, and off-road tires.

The estimated quantity of shredded tires is 2,490,000 (or approximately 2,500,000) passenger tire equivalents. Most of the shreds are extremely coarse. Pieces larger than 1/8 th of a tire (as required under existing DER regulations) were apparent from surface examination.

The combined total of waste tires and shreds present at the site as of June 30, 1992 is estimated to be 3,100,000 passenger tire equivalents. This represents the largest accumulation of waste tires identified within the State of Florida to date.

Florida Tire Recycling
Quantity Estimate
Draft 7/17/92

EXHIBIT 1

FLORIDA TIRE RECYCLING INC

WASTE TIRE QUANTITY CALCULATION SUMMARY

Whole Tire Piles

File Number	Est. Volume (cubic feet)	File Characteristics			Estimated Quantity (PTE)
		Tire Type	File Type	Density (PTE/yd ³)	
T-1	75,000	Mixed OTR	Loose	18	50,000
T-2	83,125	Passenger	Laced	15	46,000
T-3	84,000	Truck	Stacked	18	56,000
T-4	86,450	Passenger	Laced	15	48,000
T-5	73,500	Passenger	Laced	15	41,000
T-6	83,125	Passenger	Laced	15	46,000
T-7	100,625	Truck	Stacked	18	67,000
T-8	88,550	Truck	Stacked	18	59,000
T-9	9,000	Mixed OTR	Loose	18	6,000
T-10A	28,000	Truck	Stacked	18	19,000
10B	14,000	Truck	Loose	13	7,000
T-11	11,000	Mixed OTR	Loose	18	37,000
T-12	18,000	Mixed OTR	Loose	18	12,000
T-13	28,000	Mixed OTR	Loose	18	19,000
T-14	56,000	OTR/shreds	Mixed	22	46,000
T-15	42,000	Mixed OTR	Loose	18	28,000
T-16	14,000	Mixed OTR	Loose	18	9,000
TOTAL WHOLE TIRES (PTE)					596,000

Florida Tire Recycling
Quantity Estimate
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EXHIBIT 1 (continued)

FLORIDA TIRE RECYCLING INC

WASTE TIRE QUANTITY CALCULATION SUMMARY

Shredded Tire Files

File Number	Est. Volume (cubic feet)	File Characteristics			Estimated Quantity (PTE)
		Shred Type	File Compaction	Density (lbs/ft ³)	
S-1	195,000	Coarse	Moderate	30	217,000
S-2	360,000	Coarse	Moderate	30	400,000
S-3	50,000	Mixed	Loose	25	46,000
S-4	675,000	Coarse	Moderate	30	750,000
S-5	40,000	Coarse	Slight	27	40,000
S-6	150,000	Coarse	Deep/ramped	40	222,000
S-7	72,000	Coarse	Main ramp	42	112,000
S-8	462,000	Coarse	Packed	38	650,000
S-9	24,000	Coarse	Slight	27	24,000
S-10	24,000	Fine	Loose	32	28,000
TOTAL SHREDS					2,489,000
TOTAL ESTIMATED WASTE TIRES (PTE)					3,085,000

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