



January 28, 2016

Dawn Templin, P.E.
FDEP, Pensacola
160 Governmental Center, Suite 308
Pensacola, Florida 32501-5794

RECEIVED

JAN 29 2016

**NORTHWEST FLORIDA
DEP**

**RE: Waste Tire Processing Facility Permit Application
J.E. Merrifield – Cottondale, FL**

Dear Ms. Templin:

Please find enclosed a Waste Tire Processing Facility Permit Application and supporting documents for the above referenced project. The supporting documents include a location map, site layout, a description of the facility operations, emergency preparedness manual, fire inspection report, closing cost estimate based on third party cost for cleanup, closing plan, and quarterly report.

Also enclosed is Check # 5051 issued by J.E. Merrifield, Inc. in the amount of \$1,250.00 for the permit fee.

Should you have questions or require additional information, please do not hesitate to contact me. I can be reached by phone at (850) 482-3045 or e-mail rickpettis@melvineng.com.

Sincerely,

A handwritten signature in blue ink that reads "K.R. Pettis".

K.R. Pettis, AICP

Enclosures

cc: Jim Merrifield

Reply To: ☒ 4428 Lafayette Street • P.O. Box 840 • Marianna, Florida 32447 • 850.482.3045
☐ 2541-1 Barrington Circle • Tallahassee, Florida 32308 • 850.671.7221

a CharacterFirst! Company



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Reset Form

Print Form

DEP Form # 62-701.900(23)

Form Title: Waste Tire Processing
Facility Permit Application

Effective Date: January 6, 2010

Incorporated in Rule 62-711.530(6)

Waste Tire Processing Facility Permit Application

Permit No. 0064386-004-WT

Renewal ☒ Modification ☐ Existing unpermitted facility ☐ Proposed new facility ☐

Part I-General Information:

A. Applicant Information:

1. Applicant Name: J.E. Merrifield, Inc.
2. Applicant Street Address: 3053 Barnes Lane
3. City: Cottdale County: Jackson Zip: 32431
4. Applicant Mailing Address: P.O. Box 550
5. City: Cottdale County: Jackson Zip: 32431
6. Contact person: Jim Merrifield Phone: (850)352-1044 FEID No: 59-3561609
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.

B. Facility Information:

1. Facility Name: Tire Disposal Services
2. Facility Street Address (Main Entrance): 3053 Barnes Lane
3. City: Cottdale County: Jackson Zip: 32431
4. Facility Mailing Address: P.O. Box 550
5. City: Cottdale State: Florida Zip: 32431
6. Contact Person: Jim Merrifield Phone: (850)352-1044
7. Facility Location Coordinates:
Section: 34 Township: 5N Range: 12W
Latitude: 30 47' 21" Longitude: 85 24' 54"
8. Anticipated date for starting construction N/A and for completion of construction N/A
9. Anticipated date for receipt of tires _____ and for start of processing _____

Mail completed form to
appropriate district office listed below

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

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

Southwest District
13051 N. Telecom Pky
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

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

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

1. Owner's name: Same as 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: Same as applicant
2. Operator's mailing address: _____
3. City: _____ State: _____ Zip: _____
4. Contact person: _____ Phone: () _____

E. Preparer of Application:

1. Name of person preparing application: Jim Merrifield
2. Mailing address: P.O. Box 550
3. City: Cottdale State: FL Zip: 32431
4. Phone: (850)352-1044
5. Affiliation with facility: Owner

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.
- ☐ Waste tire processing facility with on -site consumption of waste tires or processing residuals.
- ☐ 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 _____

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>60</u>	<u>On Trailer</u>	_____	_____	<u>60</u>
Processed tires:	<u>20</u>	<u>On Trailer</u>	_____	_____	<u>20</u>
Processing residuals:	<u>None</u>	_____	_____	_____	_____
TOTALS:	<u>80</u>	_____	_____	_____	<u>80</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 Springhill Regional Landfill

2. Street address: 4945 Hwy. 273

3. City: Graceville County: Jackson Zip: 32440

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

N/A

Part III-Attachments:

A. Facility design

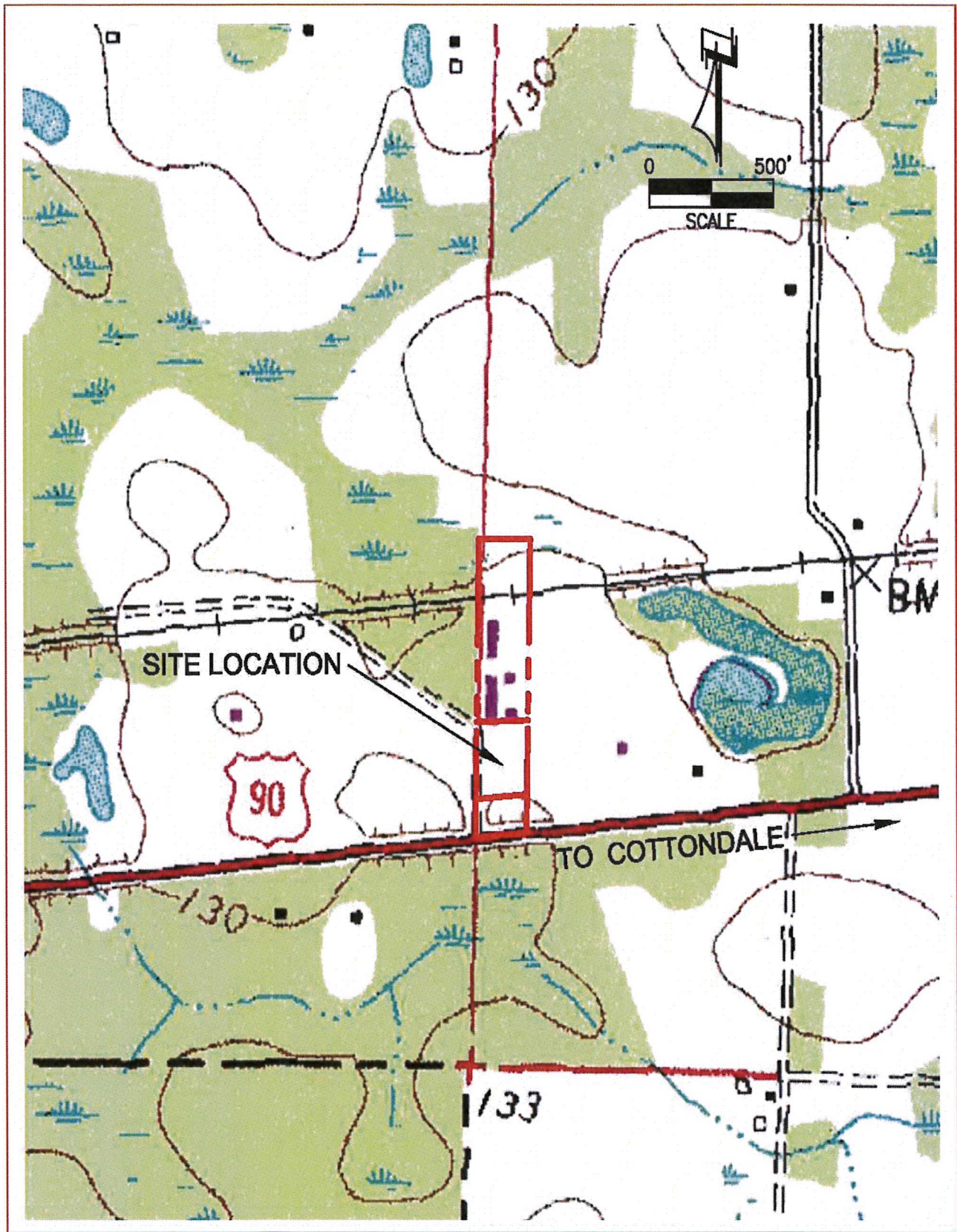
NOTE: All maps, plan sheets, drawings, isometrics, cross sections, or aerial photographs shall be legible; be signed and sealed by a registered professional engineer responsible for their preparation; be of appropriate scale to show clearly all required details; be numbered, referenced to narrative, 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.

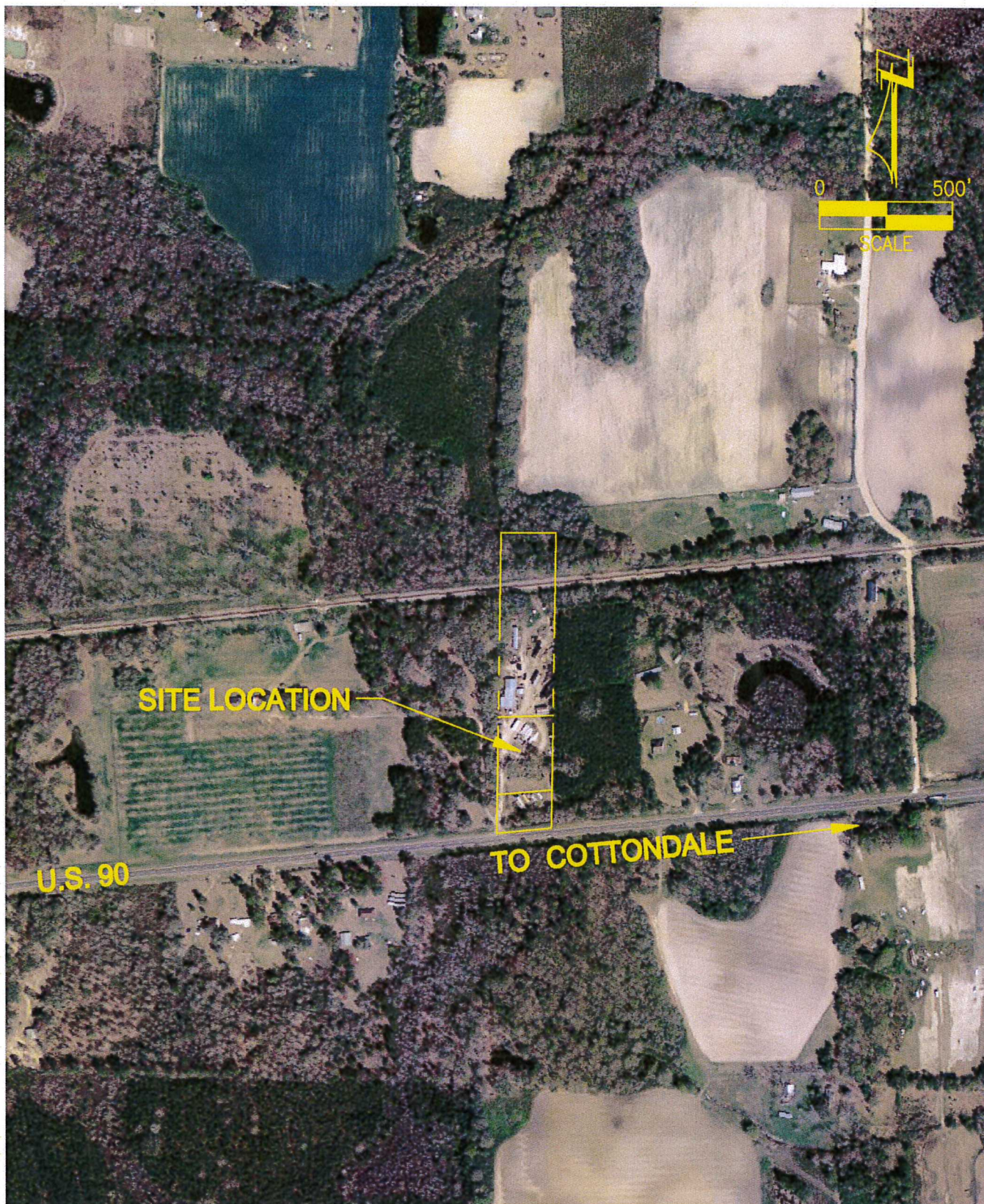


DAVID H. MELVIN, INC.
Consulting Engineers

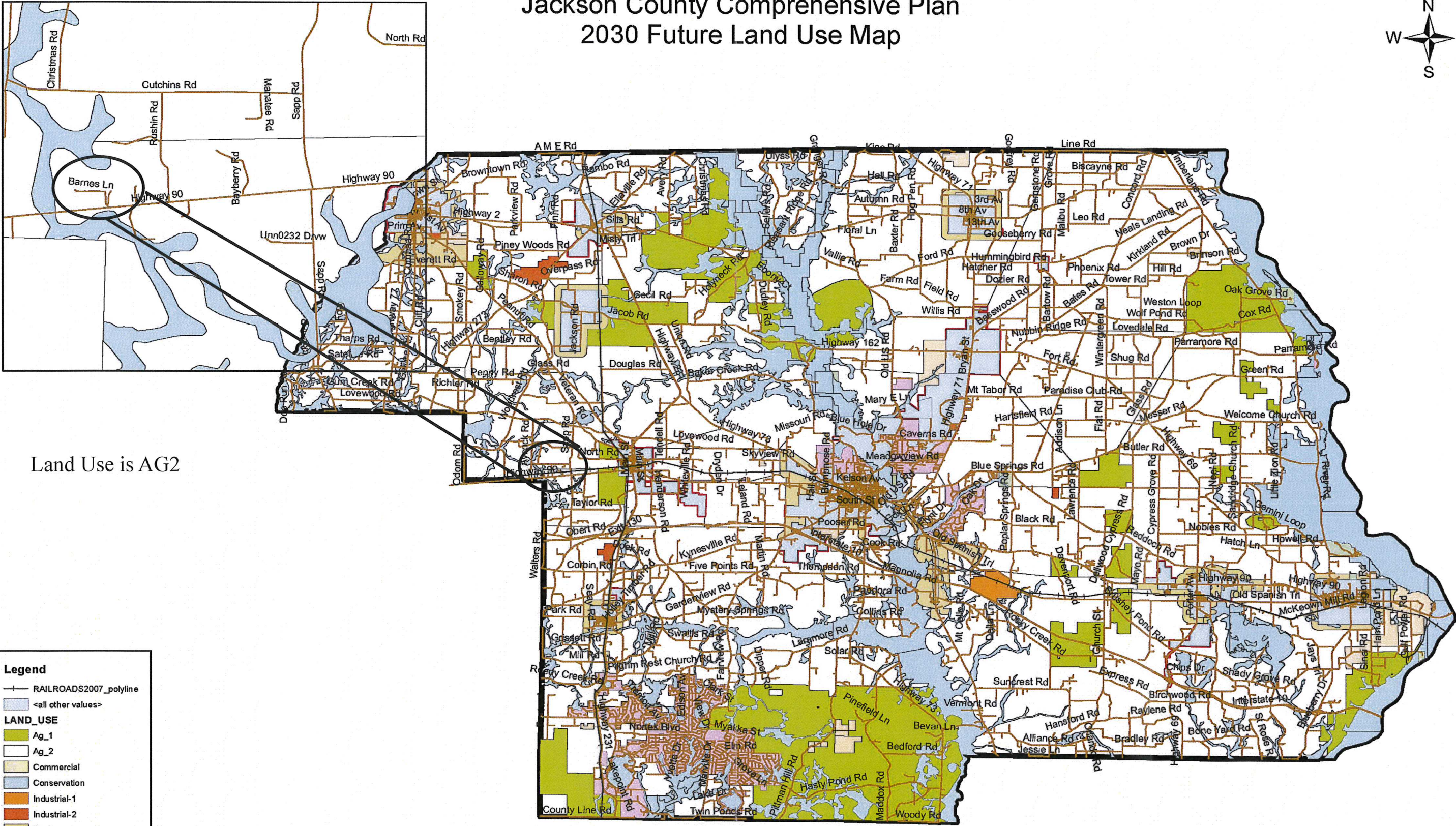
4428 Lafayette Street
Marianna, FL 32446

TIRE DISPOSAL SERVICES
WASTE TIRE PERMIT RENEWAL
2015

Topographic
Map



Jackson County Comprehensive Plan
2030 Future Land Use Map



Land Use is AG2

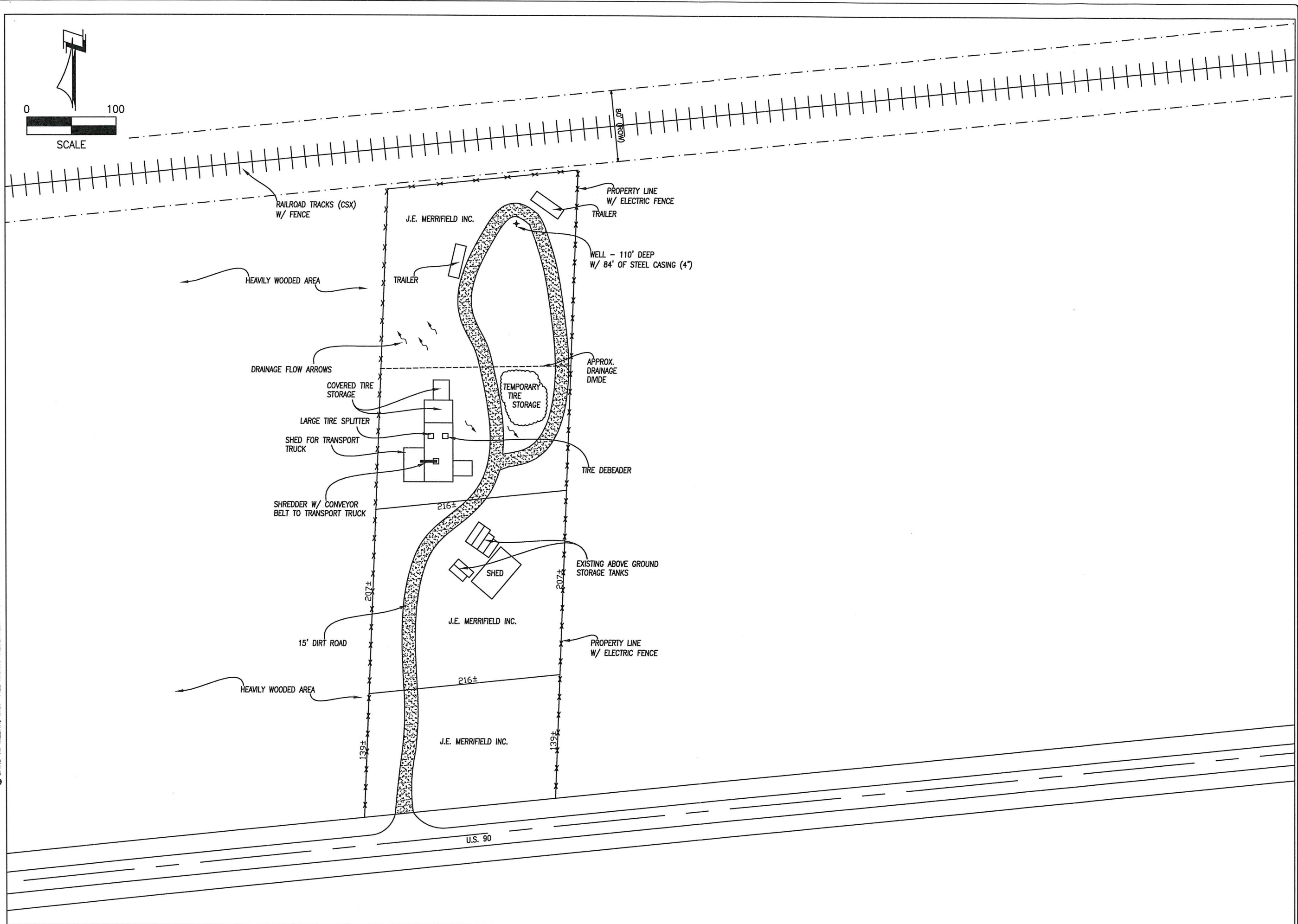
Legend

- RAILROADS2007_polyline
- <all other values>

LAND_USE

- Ag_1
- Ag_2
- Commercial
- Conservation
- Industrial-1
- Industrial-2
- Muut
- Public
- Recreation
- Residential
- Rmhp

T:\Projects\Merrifield\2015 Waste Tire Permit Renewal\Drawings\TireDisposalServices.dwg Printed: 1/25/2016 1:09 PM Drawn By: Marc Tomlinson Sheet Size: 11" x 17"
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DAVID H. MELVIN, INC.
Consulting Engineers
EB-0005637 LC-0000277

MARIANNA
4428 LAFAYETTE STREET
MARIANNA, FLORIDA 32446
Phone: 850.482.3045
Fax: 850.482.3957

TALLAHASSEE
2541-1 BARRINGTON CIRCLE
TALLAHASSEE, FLORIDA 32308
Phone: 850.671.7221
Fax: 850.671.7223

OWNER:
MERRIFIELD

PROJECT:
TIRE DISPOSAL SERVICES

ADDRESS:
Cottondale, Florida

DAVID H. MELVIN, P.E.

FLORIDA REG. NO. 38734

DATE CREATED: 12.22.15
REVISIONS:

PROJECT NO:
CAD FILE: SITE_PLAN
DRAWN BY: JMT
CHECKED BY: DHM

SHEET TITLE:
SITE PLAN

SHEET NO:
1

	RELEASE FOR BID
X	RELEASE FOR CONSTRUCTION

Site Visit Photos - J. E. Merrifield, Inc., January 11, 2016

Facility entrance



Shedder Bldg, Used oil storage and boiler.



Site Visit Photos - J. E. Merrifield, Inc., January 11, 2016

Tire collection/transport vehicle.



Facility Operation Process

December 2015

Description

1. Whole tires will be delivered to site by truck.
2. Tires will be taken directly from truck and inserted into Harvest Hand tire chopper to reduce tire size.
3. Chopped tires are fed into UNTHA RS-50 tire shredder.
4. Processed tire (pieces 4 square inches or less) will travel from shredder on conveyer system to truck.
5. Truck will transport and dispose of processed tires at the Springhill Regional Landfill.

Throughput

Maximum Daily: 1200 tires/day

Planned Daily: 1200 tires/day

Annual Daily: 312,000 tires/year

EMERGENCY PREPAREDNESS MANUAL

PREPARED FOR:

TIRE DISPOSAL SERVICES

3053 BARNES LANE

COTTONDALE, FL 32431

(850) 526-3813

OWNER/OPERATOR: JIM MERRIFIELD

December, 2015

EMERGENCY CONTACTS

In the event of a fire, flood or other emergency, the following people should be contacted:

1. Jason Merrifield: (850) 557-4040
2. Charlene Merrifield: (850) 482-6326
3. Alan Pelt: (850) 482-6614

EMERGENCY RESPONSE EQUIPMENT

1. Two onsite fire extinguishers are located at both entrances of the shredder bay on the south and east walls. Follow directions on fire extinguisher to put out flames if possible.
2. The City of Cottondale Volunteer Fire Dept. is located approximately 4 miles from the facility. Contact the Fire Dept. immediately for assistance.

EMERGENCY PROCEDURES

In the event of a fire at the facility, follow the procedures listed below:

1. If fire can be contained with onsite fire extinguisher, do so.
2. Call "911" and explain emergency.
3. Evacuate area and adjacent buildings immediately.
4. Remain at a safe distance until fire is extinguished.
5. Since whole waste tires are not stored onsite, oily residue left from burning tires shall be minimal. However, any residue shall be collected and discarded into tractor trailer.
6. Any areas that contained oily residue shall be washed down in such a way that there is no runoff whatsoever from the site.

Closing Cost Estimate

December 2015

On December 1, 2015 David Little of Little Tire Recycling in Andalusia, AL gave a cost estimate of \$600 per trailer load for the removal of tires due to the closing of Tire Disposal Services. This includes whole or processed tires.

Maximum amount on site at any given time: 60 tons – whole tires
20 tons – processed tires

1 trailer load (whole tires) = approx. 12 tons
1 trailer load (processed tires) = approx. 20 tons

To remove maximum amount of tires from site at closure:

$60/12 = 5$ trailer loads = \$3,000 (whole tires)

20 tons = 1 load = \$600 (processed tires)

Total Closing Cost = \$3,000.00 + \$600.00 = \$3,600.00

Closing Plan

Description

1. Property will be gated in order to stop the public access.
2. Notice will be posted indicated that the site is closed with the phone number of the county solid waste authority.
3. Notification will be sent to the Department of Environmental Protection and Jackson County of the closing.
4. All waste tires and residuals will be removed and taken to the Springhill Regional Landfill.
5. Removal of all solid waste to a permitted solid waste management facility.
6. Notify the Department of Environmental Protection when closing is complete.

****Closing will be completed within three weeks of notification.**

copy
1st qt
2015



Department of Environmental Protection

DEP Form # 62-701.900(21)
Waste Tire Processing Facility
Form Title <u>Quarterly Report</u>
Effective Date <u>3/22/00</u>
DEP Application No. _____ (Filled in by DEP)

Waste Tire Processing Facility Quarterly Report

Pursuant to Rule 62-711.530, Florida Administrative Code, the owner or operator of a waste tire processing facility shall submit the following information to the Department quarterly.

Quarter covered by this report 1st qt 2015 (First quarter begins on January 1 of any given year)

- Facility name: Tire Disposal Services
- Facility mailing address: P.O. Box 550
City: Cottondale County: Jackson Zip: 32431
- Facility permit number: 0064386-003-WT
- Facility telephone number (850) 352-7044
- Authorized person preparing report: Jim Merrifield
- Affiliation with facility: Owner
- Telephone number (if different from above): ()
- Activity: Report in tons

	Beginning Inventory	Received	Processed	Consumed	Removed	Adjustments	Ending Inventory
Used Tires							
Other whole Tires	6	166	91		75		6
Processed tires							
Processing Waste							
Other							
Total	6	166	91		75		6

- Explain all inventory adjustments. _____
- List any period in which one or more category of inventory exceeded the permitted maximum for that category. How was that condition relieved? _____

For any excess inventory at the end of the quarter, state how and when this condition will be relieved. Attach Additional sheets, if necessary. _____

9. Certification:

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

Jim Merrifield
Print Name of Authorized Agent

Jim Merrifield
Signature of Authorized Agent

4-28-15
Date

Mail complete form to
the appropriate district office

Tire Disposal Services
0064386-003-WT
Attachment 2
Page 1 of 1

Northwest District
160 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 32803-5767
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

2-16-15

FILE # _____
 Street Barnes Ln. No 3053 Ottumwa Occupant Merrifield Pumped Oil
 Owner or Agent Jim Merrifield 32431 Phone # 850-209-2336
 Construction Metal Roof Metal Stories 7
 Occupancy Business Square Footage 2,100 Approx Occupant Load _____

Fire Hazards	Good	Bad	None	Fire Protection	Good	Bad	None
Heating Systems				Sprinklers/F.D. Connections			✓
Clearances	✓			Standpipes/Fire Pump			✓
Flue Pipe Fit into Flue			✓	Fire Alarm Systems			✓
Storage Explosives			✓	Fire Doors			✓
Storage Inflammables			✓	Smoke Detectors/Sya			✓
Storage Area	✓			Aisles	✓		
				Halls			✓
Condition of				Stairwells/Vertical Openings			✓
Fuses/Circuit Breakers	✓			Automatic Hood Systems			✓
Electric Wiring	✓			Fire Extinguishers			
Electric Appliances			✓	Location of Cutoffs			
Fire Walls			✓	Sprinklers			
Vent Ducts			✓	Gas			
Rubbish/Housekeeping	✓			Electric			
Illuminated Exit Signs			✓				
Emergency Lighting			✓				
Air Conditioning System			✓	Days given to remedy			
Gas Appliances			✓	Date Re-inspected			
Exits/Exit Doors	✓			Days Extension			
FIRE EXTINGUISHERS	✓			Remedied: [] Yes [] No			
<u>Service 2-15</u>				Liability Notice Served			
Number of Exits		<u>2 per area</u>		Date Remedied			
Number of Units of Exits				Inspector <u>SEAN H. COLLINS</u>			
Travel Distance to Exit(s)				<u>FL LIC # 102361 / 850-526-1002</u>			
Lightweight Truss Sign		<u>N - Req</u>		Occupant <u>(X) - Occupant</u>			

Remarks:

Recommended Keeping loose tire scraps away from motors and all electrical areas. All ext. were serviced and in their proper bedding also proper sizes. Cutting and torching areas were cleared of all small combustibles during inspection. No violations noted.

Sean Collins