ANGELO'S AGGREGATE MATERIALS, LTD
WASTE TIRE PROCESSING FACILITY

PERMIT MODIFICATION
PASCO COUNTY, FLORIDA

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD

855 28th Street South
St. Petersburg, Florida 33712

April 2022

Prepared by:

Locklear & Associates

4140 NW 37th Place, Suite A
Gainesville, FL 32606

Florida Department of Environmental Protection

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

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. 303741-004-WT/02

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

Part I-General Information:

A. Applicant Information:

1. Applicant Name: Angelo's Aggregate Materials, LTD
2. Applicant Street Address: 855 28th Street South
3. City: St. Petersburg County: Pinellas Zip: 33712
4. Applicant Mailing Address: Same
5. City: County: Zip:
6. Contact person: Dominic Iafrate Phone: (727) 612-9257 FEID No: 59-3448428
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: Enterprise Road Recycling and Disposal Waste Tire Facility
2. Facility Street Address (Main Entrance): 41111 Enterprise Road
3. City: Dade City County: Pasco Zip: 33525
4. Facility Mailing Address: Same
5. City: State: Zip:
6. Contact Person: Agustin Moreno Phone: (813) 344-6726
7. Facility Location Coordinates:
   Section: 5,8 Township: 25S Range: 22E
   Latitude: 28 19' 53" Longitude: 82 08' 06"
8. Anticipated date for starting construction NA and for completion of construction NA
9. Anticipated date for receipt of tires NA and for start of processing NA

Mail completed form to appropriate district office listed below

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
850-595-8360	904-807-3300	407-894-7555	813-632-7600	239-332-6975	561-681-6600

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

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

E. Preparer of Application:

1. Name of person preparing application: John Arnold
2. Mailing address: 1530 McDuff Avenue S
3. City: Jacksonville State: Florida Zip: 32205
4. Phone: (813)477-1719
5. Affiliation with facility: Authorized Agent

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:	873	35000	0	0	873
Processed tires:	534	5000	0	0	534
Processing residuals:	0	0	0	0	
TOTALS:	1407	40000	0	0	

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 NA
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.

NA

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 -711.500(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 pr ocessing facility.

F. If waste tires will be consumed or diposed of 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 Angelo's Aggregate Materials, LTD Is aware that statements made in this form and attached information are an application for a 303741-003-WT/02 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 Chap ter 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.

Signature of Applicant or Authorized Agent	John Arnold, Authorized Agent Name and Title	4/21/22 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 facilit ies. 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

Lisa J. Baker, Engineering Director
Name and Title

74652
Florida Registration Number

LISA J. BAKER LICENSED No. 74652 STATE OF FLORIDA PROFESSIONAL ENGINEER

(please affix seal)

4140 NW 37th Place, Suite A
Mailing Address

Gainesville, Florida, 32606
City, State, Zip

352-672-6867
Telephone number

4-21-22
Date

EMERGENCY RESPONSE PLAN (PREPAREDNESS MANUAL)
ENTERPRISE ROAD RECYCLING AND CLASS III DISPOSAL FACILITY

WASTE TIRE PROCESSING FACILITY
PASCO COUNTY, FLORIDA

Prepared for:

ANGELO'S AGGREGATE MATERIALS, LTD
(D/B/A ANGELO'S RECYCLED MATERIALS)
41111 ENTERPRISE ROAD
DADE CITY, FL 33525

Submitted to:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLID WASTE DIVISION
13051 NORTH TELECOM PARKWAY
TEMPLE TERRACE, FL 33637

PASCO COUNTY FIRE RESCUE
4111 LAND O' LAKES BOULEVARD
LAND O' LAKES, FL 34639

Prepared by:

JOHN ARNOLD, P.E.
1530 MCDUFF AVE S
JACKSONVILLE, FL 32205

March 2021
(Revised April 2022 – Permit Modification)

Introduction

The Waste Tire Processing Facility (WTPF) is an approximate 10-acre location within the Enterprise Road Recycling and Class III Disposal Facility, and is authorized by the Florida Department of Environmental Protection (Department) to operate in accordance with Permit No. 303741-004-WT/02. The facility is located at: **41111 Enterprise Road, Dade City, Florida, 33525** (refer to Figures 1 and 2)**.**

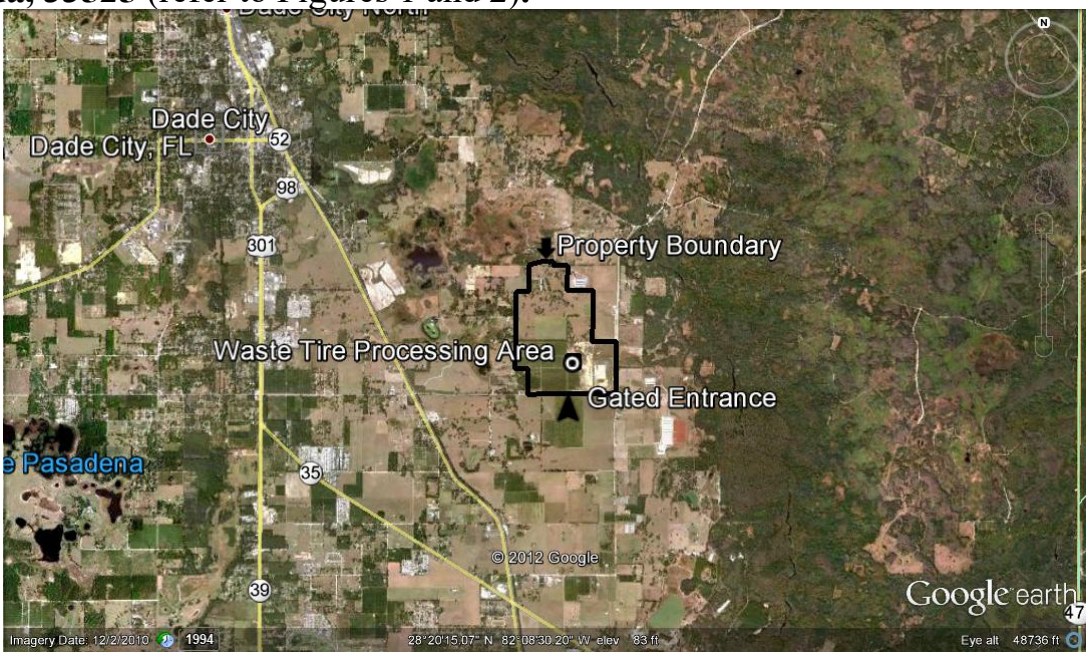

Figure 1. Site Location Map

Figure 2. Waste Tire Processing Facility Site Access

1. Purpose and Scope

This purpose of this Emergency Response Plan (ERP), or Emergency Preparedness Manual is to provide information and guidance in the event of a fire at the WTPF in accordance with chapter 33.3.1 of the Florida Fire Prevention Code (FFPC) and Florida Department of Environmental Protection (FDEP) Rule 62-711, F.A.C. A copy of this plan has been provided to the Fire Marshal, Pasco County Fire and Rescue.

2. Site Description and Layout

The purpose of the WTPF is to provide a dedicated area on-site where whole, waste tires can be reduced in size (shredding) for reuse/recycling. The WTPF does not have any structures or permanent improvements. A site plan showing roads, water and soil supplies, and other information is provided in Attachment A. The WTPF (including buffers) is approximately 10 acres in size and is accessed using the gated entrance on Enterprise Road. The overall facility (complex) is approximately 541 acres in size and is secured by a six-foot chain link fence with barbed wire topping (along Enterprise and Singletary Roads), field fence (4-5 strand barbed wire typical of agricultural area), and security gate. The security gate is locked during all non-operating hours. Given the existing barriers, location of the WTPF relative to the property boundaries, and permeant on-site residence of the scale-house operator, a dedicated chain-link fence surrounding the WTPF (8' high) is not required.

Any whole waste tire pile shall not be longer than 200', wider than 50', and shall not exceed a height of 15'. Each waste tire pile is surrounded by a fire lane. The processed tire storage pile is 100' long, 50' wide, and will not exceed a height of 12'. The spacing between tire piles shall not be less than 50. Rims removed from the waste tires will be stored east of WHOLE TIRE PILE 5. The de-rimming equipment (Komatsu PC360 with shear) will be located between WHOLE TIRE PILES 3 & 5. The de-rimming equipment will not remain in the 50' fire lane. The site naturally slopes within the WTPF to the northeast corner of the site, towards an earthen berm with a 40' wide gap. In the event of a fire, the gap will be filled with soil from the dedicated stockpile to contain pyrolitic oil runoff. This stockpile is located adjacent to the gap for easy access.

The complex is free from natural water bodies. However, the stormwater ponds along the east side of the site may contain (pond) stormwater seasonally. The stormwater ponds are completely contained on-site and do not discharge off-site.

On-site sources for soil (dirt) and water for fire suppression are shown on the site plan in Attachment A. Water for Fire Suppression is available via the mobile water truck.

The facility is open to the public Monday through Saturday, from 7am to 5pm. Vehicles entering the facility with waste tires must first proceed to the scale house where weights are recorded, and records are maintained. Directions to the WTPF are posted at the scale house and with signage.

3. Emergency Preparedness

As required by the Department, the Pasco County Fire Department will inspect the facility on an annual basis. A copy of this plan will be in the on-site scale-house and at the home of the Engineer. The local fire department will receive a copy of this plan and their solicited comments will be used to update this plan on a regular basis. In the event of an emergency, key contacts are as follows:

Pasco Fire and Rescue:	4111 Land O' Lakes Blvd, #208 Land O' Lakes, FL 34639 Tel. (813) 929-2750
Local Fire Department:	Fire Station 24 and Battalion Chief 4 Office 14317 4th Street, Dade City, FL 33523 Tel. (352)521-4274
Local Police Department:	Pasco County Sheriff's Office 37312 Howard Avenue, Dade City, FL 33525 Tel. (352) 521-5131
Local Hospital:	Pasco Regional Medical Center 13100 Fort King Road, Dade City, FL 33525 Tel. (352) 521-1100
Environmental:	Florida Department of Environmental Protection 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 Tel. (813) 470-5700

4. Emergency Equipment

The following equipment is always on-site and is available to respond to emergency conditions:

- 2 Front-End Loaders (John Deere 844, CAT950)
- 2 Dozers (CAT D8, CAT D5)
- 4 Excavators (Komatsu PC1100, John Deere 450, John Deere 450, Komatsu PC360)
- 3 Articulated Off-Road Trucks (2-Volvo, 1 Terex)
- 1 Tractor (John Deere)
- 1 Water Truck (Custom with fire hose and spray nozzles)

5. Emergency Response Team and Contact Information

Agustin Moreno Emergency Response Coord. (primary)	(813) 344 - 6726 (352) 567 - 7676	Mobile Office (on-site)
Alfredo (Freddy) Martinez Emergency Response Coord. (secondary)	(352) 303 - 5618	Mobile

Scale House Attendants (On-Site)	(352) 567 – 7676	Scale House (on-site)
	(352) 567 – 9448	Fax (on-site)

The Emergency Response Coordinator is responsible to ascertain the severity and magnitude of the emergency, contact the fire department, assign tasks to individual workers, implement contingency operations, oversee clean-up, and if necessary, evacuation of the premises. These duties fall to the secondary Emergency Response Coordinator in the event the primary coordinator is not on-site.

In an emergency where, local authorities are notified; the senior officer of the responding agency (Pasco County Fire and Rescue) will assume command of the operations upon arriving at the site. Until the arrival of the fire department and local response agencies, on-site personnel, under the direction of the designated Emergency Response Coordinator, will oversee the emergency response operations. All site equipment, supplies, and equipment operators will be made available to the responding local authorities.

6. Emergency Prevention

Operations at the WTPF will be conducted in a manner that maximizes the safety and protection of the environment. The site will be posted with "No Open Flame" signs and no smoking is permitted within the complex. All customers are required to sign-in at the scale house, where safety rules, protocol, and procedures are posted. Fire prevention measures include the following elements:

- Site access control: The site is fenced, and the access gate is always locked during non-operating hours.
- 24 Hour, on-site security: An employee resides at the site and is available to report emergency conditions, vandalism, or other events during non-business hours.
- Emergency vehicle access routes: The WTPF is surrounded by a 50' wide fire access lane.
- The WTPF is in an area that is not adjacent to structures, vehicles, flammable materials, or other exposures.
- The WTPF shall not contain trees, plants, or vegetation (other than grass that is regularly maintained).
- The WTPF shall be kept free from sources of ignition such as cutting and welding, heating devices, and open fires.
- The following shall be maintained on-site and in working order:
    - One 2-A:10-B:C fire extinguisher
    - One 2.5-gal water extinguisher
    - One rigid rake
    - One round point shovel
    - One square point shovel
    - One dry chemical fire extinguisher with a minimum rating of 4-A:40-B:C shall be carried on each piece of fuel-powered equipment used to handle waste tires.
- Water and soil supplies: Water and soil are available on-site to assist in fire suppression.
- Site inspections: The WTPF is inspected daily by on-site personnel and several times a year by the FDEP and County.

7. Emergency Response

Small Fires - Waste Tire Processing Area

In the event of a small fire the Emergency Response Coordinator will oversee coordinating the on-site response, including the following:

- The gap in the earthen embankment at the WTPF will be blocked with dirt from the adjacent soil stockpile to contain any fire-contact water.
- Remove vehicles/equipment from the area.
- Separate unburned tires to isolate the small fire from adjacent fuel sources.
- Soil will be placed and pushed on the fire to extinguish the flames if safe conditions exist. Soil will be built up to provide buffer from the fire and then advanced (with the placement of additional soil) to cover and extinguish the fire. The on-site water truck will be used to irrigate the soil covered tires and surrounding area.
- Clean up site. Residue from the extinguished fire, including soil, will be removed for disposal at a Class I landfill.
- The Pasco County Fire Department will be notified in the event the small fire can not be managed with on-site personnel.

Large Fires – Waste Tire Processing Area

Pasco County Fire and Rescue will be contacted immediately in the event of a large fire. The Emergency Response Coordinator will coordinate activities until the arrival of the authority having jurisdiction (AHJ):

- The gap in the earthen embankment at the WTPF will be blocked with dirt from the adjacent soil stockpile to contain any fire-contact water.
- Remove vehicles/equipment from the area.
- Begin containment measures (swales and berms) to minimize spreading of the fire and to contain residue from the burning tires. Separate unburned tires using on-site equipment to remove additional fuel sources.
- Push or place soil around the perimeter of the fire on all sides and progress, as dictated by safe conditions, to smother the tires. Apply water from the on-site water truck to both reduce the flame and heat to advance soil placement.
- Provide support per the direction of the AHJ.
- Clean-up site. Residue from the extinguished fire, including soil, will be removed for disposal at a Class I landfill.

Natural Disasters

In the event of a flood, hurricane, or other natural disaster, the following operations will be performed:

- Secure equipment
- Fill petroleum powered equipment to full capacity
- Stop WTPF operations (accepting whole tires, processing stockpiled tires, and disposing of processed tire) and remove equipment in advance of the natural disaster, in the event advance notice can be projected by the Emergency Management System, or State of Florida.

- Stockpiles of all materials (Whole tires, processed tires, and rims) are to remain as-is within the WTPF. Following disaster, the Emergency Response Coordinator, will inspect the site and document conditions and determine if any actions are necessary to bring the facility into compliance with all permit conditions. Materials that have been displaced from their respective stockpiles shall be returned. In the event residue is created by the natural disaster, the residue will be considered a Class I debris and managed in accordance with this manual.

8. Evacuation

In the event of a fire, the on-site Emergency Response Coordinator or AHJ shall have the authority to issue the evacuation of the WTPF and/or site based on site specific conditions. Upon evacuation, all non-responsive personnel will be kept a safe distance from the site and traffic on roads leading into the complex will be rerouted as necessary.

9. Notification

In the event of a fire, all personnel at the site will be notified. Should the Emergency Response Coordinator determine that outside assistance is needed or notification of local emergency response authorities is warranted, the following actions will occur:

- Dial "9-1-1" to notify local emergency response agencies
- Call local hospital (if necessary)
- Call Sheriff's Office

The operator will immediately notify the Department of an emergency and then submit a written report within two weeks, in compliance with Rule 62-711.540(1)(f), F.A.C.. Any such notice will be provided in writing within two (2) weeks of the emergency event and will include the following:

- Time, date and nature of the emergency condition.
- Actions taken to respond to and contain the run-off and/or release resulting from the fire, including documentation that clean-up residue and other Class I debris was disposed of at a permitted Class I facility.
- An assessment of actual or potential hazards to human health and the environment where this is applicable. This should include any known or anticipated acute or chronic health risks associated with the run-off and/or release resulting from the fire.
- Advice regarding medical attention necessary for exposed individuals.
- Estimated quantity and disposition of recovered materials that resulted from the incident (contaminated soils).
- A critique of the emergency response plan and how it was implemented.

A fire safety survey will be conducted at least annually, and the survey report will be made part of the next quarterly report, in accordance with Rule 62-711.540(d), F.A.C. The correction of deficiencies noted on the annual fire safety survey (survey) will be completed within 14 days of receiving the survey. In the event a corrective action is identified that may take longer than 14 days to correct, written notification will be provided to the FDEP within 7 days of receiving the survey,

proposing a corrective-action plan. The corrective-action plan would include, at a minimum, a description of the deficiency, proposed corrective action, schedule, and notification to the FDEP that corrective action is complete.

10. History of Enforcement

FDEP ID	Facility Name	Location	Enforcement Action
49239	**Angelo's Recycled Materials**	**Largo, FL**	**None Listed**
89830	**Angelo's Recycled Materials**	**Apopka, FL**	**None Listed**
95080	**Angelo's Recycled Materials**	**Jacksonville, FL**	**None Listed**
87895	**Enterprise Landfill and Recycling Center**	**Pasco County, FL**	**OGC Case 08-0445-resolved Sept 4, 2008**
87895	**Enterprise Landfill and Recycling Center**	**Pasco County, FL**	**OGC Case 06-0783-resolved Sept 4, 2008**
85591	**Lutz C&D Transfer Station**	**Lutz, FL**	**None Listed**
101958	**Brandon C&D Transfer Station**	**Brandon, FL**	**None Listed**
102569	**Lakeland C&D Transfer Station**	**Lakeland, FL**	**None Listed**
87895	**Enterprise Landfill and Recycling Center**	**Pasco County, FL**	**OGC Case 20-0923**
87895	**Enterprise Landfill and Recycling Center**	**Pasco County, FL**	**OGC Case 20-0992**

ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE PROCESSING FACILITY
DIMENSIONS, VOLUMES, CAPACITIES & CLOSURE COST ESTIMATE

Item Description	Pad 1 Whole Tire	Pad 2 Whole Tire	Pad 3 Whole Tire	Pad 5 Whole Tire	Pad 4 Processed Tires	Pad 6 Rims	Reference/Notes
Base Length, L (ft)	200	100	200	200	100	50	Input (Site Plan)
Base Width, W (ft)	50	50	50	50	50	50	Input (Site Plan)
Base Area, A1 = L * W (sf)	10000	5000	10000	10000	5000	2500	Calculation
Side Slope of Pile, S (horiz:vert)	1.5 : 1 for all pile slopes						Input (Site Plan)
Height, H (ft)	15	15	15	15	12	12	Input (Site Plan)
Top Length, b = L-(2*H*S) (ft)	155	55	155	155	64	14	Calculation
Top Width, a = W-(2*H*S) (ft)	5	5	5	5	14	14	Calculation
Top Area, A2 = a*b (sf)	775	275	775	775	896	196	Calculation
Volume, V (cf)	67794	32238	67794	67794	32050	13584	See Note 1
Volume, V (cy)	2511	1194	2511	2511	1187	503	See Note 2
Whole Tires Density (loosely packed, lb/cy)	200	200	200	200	N/A	N/A	See Note 3
Processed Tires Density (loosely packed, lb/cy)	N/A	N/A	N/A	N/A	900	450	See Note 4 & 5
Storage per Pad, S = V*Density (lb)	502181	238800	502181	502181	1068347	226400	Calculation
Storage per Pad, S (ton)	251.09	119.40	251.09	251.09	534.17	113.20	Calculation

Total Tires Whole (ton)	872.67	Sum of Storage per Pad, S (Pads 1,2,3,5)
Total Tires Processed (ton)	534.17	Sum of Storage per Pad, S (Pad 4)
Total All Tires (ton)	1406.84	Sum of Storage per Pad, S (Pads 1 - 5)

Tire Processor Capacity, C (tons/hr)	11
Workday, WD (hrs/day)	9
Daily Tire Processor Capacity, C*WD (tons/day)	99

30 Day Tire Processing Capacity = 30*C*WD	2970	>=	1004	Rule 62-711.530(2)(a), F.A.C.; Whole Tire Storage Limit
60 Day Tire Processing Capacity = 60*C*WD	5940	>=	1366	Rule 62-711.530(2)(a), F.A.C.; Whole and Processed Tire Storage Limit

Notes:
Volume, V = (H/3)*(A1 + A2 + √(A1 + A2); Volume of Frustum of Rectangular Pyramid Equation
1 cy = 27 cf
References: Scrap Tire Cleanup Guidebook, EPA-905-B-06-003, Sec. 3: Planning, pg 14 (20 lb/tire x 10 tires/cy)
References: Scrap Tire Cleanup Guidebook, EPA-905-B-06-003, Sec. 3: Planning, pg 14 (600 to 1,800 lb/cy. Used 900 lb/cy for calcs)
Rim density is assumed solely to provide a rough estimate of rim quantity for stockpile management process.
Rim capacity within the stockpile area will be limited to that area regardless of the actual rim denisty and is not a regulatory constratint per Rule 62-711, F.A.C.

Closure Item	Quantity (tons)	Unit Price ($/ton)	Total Cost ($)
Whole and Processed Tires	1406.84	$74.00	$104,106.51
Rims	N/A	N/A	$0.00
Residual(s)/Class I Removal	16	$49.00	$784.00
Site Clean Up and Restoration	$3,750.00	N/A	$3,750.00
Total Cost			$108,640.51

2022 Annual Update - Inflation Factor (1.012)
$108,640.51 * 1.012 = $109,944.20

LISA J BAKER
LICENSE
Lisa Baker, PE No. 74652
PE No. 74652
4140 nw 37th Place, Suite A
Gainesville, FL 32606
STATE OF FLORIDA
PROFESSIONAL ENGINEER
4-26-22

ATTACHMENT A

SITE PLAN

ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
WASTE TIRE 2022 PERMIT MODIFICATION SITE PLAN

ATTACHMENT B

WATER SUPPLY AND SOIL STOCKPILE INFORMATION

WATER AND SOIL SUPPLY LOCATIONS

Pump 1

Capacity	75 gpm
Well Size	5-inch Diameter

Truck Fill

Capacity	75 gpm

On-Site Water Truck

Capacity	5,000 gallons
Fire Hose	100 gpm

Soils

Soil stockpiles between Class III Landfill and Tire Processing Area and the "Active Borrow Pit" are shown on the site plan.