

June 23, 2021

Mr. Steven Morgan, Air & Solid Waste Permitting Manager
Permitting & Waste Cleanup Program
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

RE: Remaining Response to First Request for Additional Information (RAI)
Pasco County – Solid Waste
Facility Name: Enterprise Road Class III Recycling and Disposal
Facility Site ID: 87895
DEP Application No.: 303741-004-WT/02

Dear Mr. Morgan:

Thank you for your review of the additional information for a renewal of a waste tire processing facility permit submitted on March 19, 2021 for the above referenced facility. The following information is provided in response to the Department's email dated June 7, 2021.

The attachments provided are as follows:

- Attachment 1: New Third-Party Quote
- Attachment 2: Revised Dimensions, Volumes, Capacities & Closure Cost Estimate
- Attachment 3: Revised Site Plan

Information is provided in the order requested in the referenced correspondence. In each case, the Department's request is stated in italics with the response immediately following in **bold**.

1. The third-party quote provided with the cost estimate is dated May 2016. Please provide a new third-party quote in today's dollar amount (not more than one year old) for the loading, hauling and disposal of whole and processed tires, rims, and residuals, and update the cost estimate calculation accordingly. Please note, if the recalculated cost estimate based on the new third-party quote is greater than the amount currently on file with the Department, then updated proof of financial responsibility (i.e., proof of funding) in accordance with Rule 62-711.500(3), F.A.C. will be required prior to issuance of the permit



renewal.

Response to 1.: The new third-party quote is provided in Attachment 1. The revised Dimensions, Volumes, Capacities & Closure Cost Estimate is provided in Attachment 2.

2. The processed tire pile on the Site Plan has dimensions of approximately 100-ft. by 75-ft., however the Emergency Response Plan states that the dimensions of the processed tire pile are 100-ft. by 50-ft. Per Rule 62-711.540(3)(b), F.A.C., outdoor waste tire piles shall not be greater than 50 feet in width. Please revise the Site Plan and the cost estimate calculations to be consistent with the dimensions provided in the Emergency Response Plan and the maximum allowable dimensions contained in Rule 62-711.540(3)(b), F.A.C. Additionally, please revise the storage capacities in Part II-C of the application form as necessary based on the updated processed tire pile calculation.

Response to 2.: The processed tire pile has been revised. The revised Site Plan is provided in Attachment 3.

3. As previously stated in RAI Comment 13(b), the provided Site Plan does not appear to maintain a 50-foot wide fire lane between Whole Tire Pile 3 and Whole Tire Pile 2, as required by Rule 62-711.540(3)(c), F.A.C. Please review and revise the Site Plan as necessary.

Response to 3.: The fire lanes have been revised. The revised Site Plan is provided in Attachment 3.

Please feel free to call me at (352) 672-6867 with any questions regarding this submittal.

Sincerely,

John Locklear

John Locklear, P.G.
President
Locklear & Associates

cc: John Arnold, P.E. Angelo's Recycled Materials
Lisa J Baker, P.E. Locklear & Associates

Attachment 1

New Third-Party Quote



ZIMMER EQUIPMENT, INC.
2811 N. 62ND STREET
TAMPA, FL 33619
PH: 813-248-6524
FX: 813-248-6539

May 11, 2021

Mr. John Arnold
Angelo's Recycled Materials
41111 Enterprise Road
Dade City, FL 33525

Dear Mr. Arnold,

In reference to our conversations, Zimmer Equipment, Inc. is willing and able to clean-up the Angelo's waste tire processing site located in Dade City in the event your business closes under the following terms:

- | | |
|--|-------------|
| • Waste tires on site to be removed and disposed of at a permitted facility: | \$74.00/ton |
| • Rims and metals to be removed and recycled: | \$ 0.00/ton |
| • Residuals and trash to be removed and disposed of at Class I landfill: | \$49.00/ton |
| • Site clean-up and restoration: | \$3,750 |

Please let me know if you need any additional information.

Sincerely,


Daniel Zimmermann

Attachment 2

Revised Dimensions, Volumes, Capacities & Closure Cost Estimate

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	119	251	251	534	113	Calculation

Total Tires Whole (ton) 873 Sum of Storage per Pad, S (Pads 1,2,3,5)
Total Tires Processed (ton) 534 Sum of Storage per Pad, S (Pad 4)
Total All Tires (ton) 1407 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
60 Day Tire Processing Capacity = 60*C*WD	5940	>=	1366

Rule 62-711.530(2)(a), F.A.C.; Whole Tire Storage Limit
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

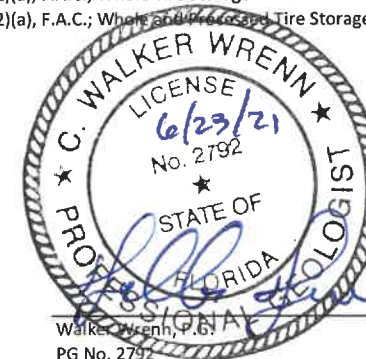
References: Scrap Tire Cleanup Guidebook, EPA-905-B-06-003, Sec. 3: Planning, pg 14 (20 lb/tire x 10 tires/cy)

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 density and is not a regulatory constraint per Rule 62-711, F.A.C.

Closure Item	Quantity (tons)	Unit Price (\$/ton)	Total Cost (\$)
Whole and Processed Tires	1407	\$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



Walker Wrenn, P.E.
PG No. 2792
4140 nw 37th Place, Suite A
Gainesville, FL 32606

Attachment 3

Revised Site Plan

ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY WASTE TIRE 2021 PERMIT RENEWAL SITE PLAN



NOTE:
WATER FOR FIRE
SUPPRESSION VIA
WATER TRUCK

WASTE TIRE PROCESSING AREA

WHOLE TIRE PILE 5

WHOLE TIRE PILE 3

WHOLE TIRE PILE 2

WHOLE TIRE PILE 1

TIRE PROCESSING
EQUIPMENT

RIMS

PROCESSED
TIRES



0 25 50 100 Feet