



FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valensteln
Secretary

REQUEST FOR ADDITIONAL INFORMATION

September 11, 2020

Mr. Thomas Fanell, CEO
U.S. Ironworks Company
P.O. Box 9220
Panama City Beach, Florida 32417
tjfanell@usironworks.us

Re: First Request for Additional Information (RAI)
Hillsborough County – Solid Waste
Facility Name: Tire Shredders of America
Facility ID: 106062
DEP Application No.: 391792-001-WT/02

Dear Mr. Fanell:

Thank you for your application for a proposed new Waste Tire Processing Facility submitted on August 27, 2020 for the above referenced Facility. A review of your application and supporting documentation indicates the application is incomplete. Please provide the information in the attached document and refer to this RAI in your response. The response to this correspondence must be signed, sealed, and dated by a registered Florida Professional Engineer.

To continue the processing of your application, the Department must receive a response within 90 days of this letter, December 8, 2020 unless a written request for additional time to provide the requested information is submitted and approved. It is the Department's desire to provide prompt turnaround times on permit applications, and a quicker response to this RAI shortens the timeframe for which a final decision on the application can be made. Pursuant to Rule 62-4.055(1), Florida Administrative Code (F.A.C.) and Section 120.60, Florida Statutes (F.S.), failure of an applicant to provide timely requested information by the applicant deadline may result in denial of the application. You are encouraged to contact this office to discuss the items requested to assist you in developing a complete and adequate response.

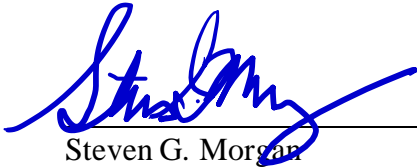
U.S. Ironworks Company

Page 2 of 2

September 11, 2020

Your processor will be Justin Chamberlain, P.G. and can be contacted at 813-470-5725, justin.chamberlain@floridadep.gov. Please submit your response by email to SWD_Waste@FloridaDEP.gov, with a copy to justin.chamberlain@floridadep.gov. If the submittal is very large, you may post it to a folder on this office's ftp site at: <ftp://ftp.dep.state.fl.us/pub/incoming/>. After posting the submittal, send an e-mail to SWD_Waste@FloridaDEP.gov, with a copy to justin.chamberlain@floridadep.gov, alerting us that it has been posted.

Sincerely,



Steven G. Morgan
Air & Solid Waste Permitting Manager
Permitting and Waste Cleanup Program
Southwest District

cc: Robert Middleton, U.S. Ironworks Co., robertdemet@aol.com
Donald Fairbairn, P.E., Northside Engineering, Inc., don@northsideengineering.net
Ron Cope, Hillsborough County EPC, Cope@epchc.org
Steve Morgan, DEP Southwest District, steve.morgan@floridadep.gov
Melissa Madden, DEP Southwest District, melissa.madden@floridadep.gov
Justin Chamberlain, P.G., DEP Southwest District, justin.chamberlain@floridadep.gov
Emily Wargo, DEP Southwest District, Emily.Wargo@floridadep.gov

Attached: List of Requested Information
Example Notice of Application

Attachment: List of Requested Information

U.S. Ironworks Company

Facility Name: Tire Shredders of America

Facility ID: 106062

DEP Application No.: 391792-001-WT/02

Waste Tire Processing Facility Permit Application (DEP Form # 62-701.900(23), F.A.C.), dated August 26, 2020 and received August 27, 2020

Part I - General Information

1. It does not appear that any of the check boxes are marked to indicate what type of permit is sought. Please revise to indicate the type of permit the application is for (e.g. Proposed new facility).
2. **B.7.:** The latitude/longitude coordinates do not appear to match the address provided. Please revise to reflect the latitude/longitude coordinates of: 27° 57' 36.9648" / 82° 22' 41.5488".
3. **B.8 & B.9.:** The anticipated dates to start and complete construction and the anticipated dates for receiving and processing tires seem premature based the receipt date of this application. Please note that construction and operation of a solid waste management facility without Department permit or authorization is a violation of Rules 62-701.300(1)(a), F.A.C. and 62-711.400(4), F.A.C. Please verify that the facility has not initiated the installation of processing equipment and is not currently storing or processing waste tires at this facility.
4. **C.5:** Please revise form to indicate when the current lease expires.

Part II - Operations

5. **C.:** The outdoor storage quantities for whole waste tires, processed tires and processing residuals is inconsistent throughout the application and supplemental documents. Per Rule 62-711.530(2), and 62-711.530(2)(a), F.A.C., please provide calculations for the maximum storage limits based on proposed pile dimensions, storage configuration (e.g. stacked, loose pile, laced, etc.) and revise the application form and supplemental documents as necessary.
6. **E. and F.:** Whole waste tires are prohibited from disposal in a landfill in accordance with Rule 62-711.400(3), F.A.C. Please verify in the revised Operational Plan that tires will be sufficiently processed into at least 8 equal parts prior to disposal in a landfill.

Part III – Attachments

7. **A.1. – Topographic Map & Land Use Map:** Please revise the topographic survey and Existing Land Use map to ensure the requirements of Form 62-711.900(23), Item A.2 are met. The following deficiencies are noted:
 - a. The survey does not appear to have been signed and sealed, is greater than one year old and is not numbered as it is referenced in the application cover letter.
 - b. The Existing Land Use map does not appear to have a scale or north arrow, is greater than one year old and is not numbered as it is referenced in the application cover letter.

8. **A.2. – Site Plan Drawing C4.1:** Please provide a revised Site Plan Drawing to ensure the requirements of Form 62-711.900(23), Item A.2 are met. The following deficiencies are noted:
 - a. The Site Plan does not appear to have been signed and sealed.
 - b. The address provided for the property is not the same as provided on the application?
 - c. The Site Plan does not illustrate a 50-foot wide fire lane placed around the perimeter of each outdoor waste tire pile as required in Rule 62-711.540(3)(c), F.A.C.
 - d. Based on the scale provided, the whole tire pile is wider than allowable (greater than 50 feet wide). If multiple piles are being proposed based on the maximum storage calculations (requested above), then individual piles should be shown on the drawings to reflect proposed site conditions.
 - e. The area (square footage) of the inbound whole tire pile is inconsistent to the maximum storage limits listed in **Section 2, Part C.** of the application form. Please revise the drawing to show the maximum storage area provided in the application.
 - f. The area used for truck unloading does not appear to be identified on the Site Plan Drawing.
9. **B.2.:** Please revise the shredder description to include the make, model and hourly capacity.
10. **B.5 - A description on how the operator will maintain compliance with the storage requirements of Rule 62-711.540, F.A.C.:**
 - a. Please describe how the facility will comply with Rule 62-711.540(1)(i), F.A.C., which indicates that 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.
 - b. According to Drawing C4.1, a wetland exists both on and off the property. Please explain how the Facility will comply with Rule 62-711.540(3)(a), F.A.C., which specifies that 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.
 - c. It does not appear that Drawing C4.1, shows an inbound whole tire pile or piles that accurately reflects maximum pile size indicated in the operational plan or that meets the requirements of Rule 62-711.540(3)(b), F.A.C. Please explain how the Facility will comply with the Rule and revise Operational Plan and Site Plan Drawing as necessary.
 - d. Please describe how the facility will comply with Rule 62-711.540(3)(e), F.A.C., which indicates that a 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.
11. **B.6.:** Please revise the Operational Plan to include a statement indicating the on-site and off-site locations where a copy of the emergency preparedness manual is kept.
12. **B.8.:** Please revise the Operational Plan to include a description of how 75% of the annual accumulation of waste tires will be removed or recycled.
13. **D. – Proof of Financial Responsibility:** The closure cost estimates provided in the Closure Calculation Letter, dated August 26, 2020 are not approved. Once the estimate has been approved, per Rule 62-711.500(3), F.A.C., please provide proof of financial responsibility. This comment is for informational purposes and does not necessarily require a response at this time.

Part IV – Certification

14. **A. – Applicant:** Robert Middleton has signed for Thomas Fanell. Please provide documentation that Mr. Middleton is authorized to sign for Mr. Fanell or provide a revised application form signed by Mr. Fanell.

Operational Plan – Tire Shredders of America, Orient Road Tire Processing Center, dated July 31, 2020

General Site Information

15. **Section 3.b.:** The acreage, tonnage and number of tires listed in this section does not match the maximum outdoor storage of whole waste tires and processed tires as indicated on Section 2. Part C. of the application form. Please review and revise as necessary.

Operational Procedures

16. **Section 1.:** Please clarify where tires will be accepted from, e.g. public, commercial, etc. Please provide procedures in this section to ensure that tire loads containing greater than 25 tires are transported to and from the facility are completed by a registered Waste Tire Collector in accordance with Rule 62-711.520(3), F.A.C.

17. **Section 5.:**

- a. The tonnage of tires listed in this section does not match the maximum outdoor storage of whole waste tires and processed tires as indicated on Section 2. Part C. of the application form. Please review and revise as necessary.
- b. Please provide documentation of the shredding capacity and calculations of the anticipated through-put of the facility.

Contingency Plan

18. The provided plan does not appear to include the information required by Rule 62-711.540(e), F.A.C., including but not limited to a list of names and numbers of persons to be contacted in the event of a fire, flood, or other emergency; a specific list of the emergency response equipment at the site, its location, and how it should be used in the event of a fire or other emergency (eg. soil stockpile for runoff control); and a description of the procedures that should be followed in the event of a fire, including procedures to contain and dispose of the oily material generated by the combustion of large numbers of waste tires.

19. Please provide documentation that fire protection services are assured through notification to local fire protection authorities.

Regulatory Permits

20. The Reference ID for waste tires does not appear to be valid. Please revise the Florida Department of Environmental Protection ID to Waste Tires Collector No. 105935.

21. Please revise the agency listing from Florida Water Management District to Southwest Florida Water Management District.

Pictures of the Tire Processing Center Site for Review/reference

22. The heading of the truck weigh scales photograph (inbound ferrous materials) appears incorrect. Please review and revise the heading as necessary.

Closure Calculation Letter, dated August 26, 2020 – Rule 62-711.500(3), F.A.C.

23. The first item under closure calculations is for “shredded rubber storage” however, the item should be for whole, unprocessed tires. Please review and revise item as necessary.

24. The tonnage and area of tires listed in this section does not match the maximum outdoor storage of whole waste tires and processed tires as indicated on Section 2. Part C. of the application form. Please review and revise as necessary.

25. The closure calculations do not include costs for removal and disposal of processing residuals however, handling of residuals are discussed in the Operational Plan. Please review and revise closure calculations to include costs for processing residuals as necessary.

26. Please provide supporting revised closure cost estimates, including all references, calculations and assumptions, utilizing third-party quotes from an authorized Waste Tire Collector or Processor for the loading, hauling and disposal of all waste tires (based on the maximum storage capacities for whole waste tires and processed tires) and residuals (including the solid waste container referenced in Op Plan Item 6.b) from the site. Please note that in the Department’s experience, the provided estimate of \$22.00 per ton is significantly less than the industry standard for the disposal of whole waste tires.

Notice of Application – Rule 62-701.320(8), F.A.C.

27. Please publish the attached Notice of Application in a newspaper of general circulation in the area where the facility will be located. The Notice shall conform to the requirements of Rule 62-110.106, F.A.C.

State of Florida
Department of Environmental Protection
Notice of Application

The Department announces receipt of an application from U.S. Ironworks Co. for a permit to construct and operate a Waste Tire Processing Facility, subject to Department Rules, at the Tire Shredders of America Facility, located at 6902 East 6th Avenue, Tampa, Hillsborough County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Southwest District Office, 13051 N. Telecom Parkway, Suite 101, Temple Terrace, Florida 33637-0926.