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May 2, 2022

VIA ELECTRONIC DELIVERY

Mr. Jeremy Hart
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: First Request for Additional Information (RAI)
Osceola County- Solid Waste
Facility Name: Tire Recycling Corp.
Facility ID: 96128
DEP Application No.: 0400495-002-WT-02
HSA Golden Project Number: 22-1039.001

Dear Mr. Hart:

On behalf of Tire Recycling Corp., HSA Golden is submitting this response to the Florida Department of Environmental Protection (FDEP) March 2, 2022 request for additional information (RAI) regarding the above-referenced permit application. Hereafter, we restate FDEP's comments in italics, followed by our responses.

Comment 1. *Will waste tires be recapped? If so, please provide the quantity and type removed, and the name and location of the recapping facility receiving the tires. Rule 62-711.530(4)(c), Florida Administrative Code (F.A.C.).*

Response 1. The facility will not be recapping tires.

Comment 2. *The application states the maximum amount of whole waste tires storage to be 220 tons. Based on the "Volume to Weight Conversion Factors U.S. Environmental Protection Agency Office of Resource and Conservation and Recovery" memo dated April 2016, light duty truck tires are estimated to weigh 22.5 pounds. By this conversion 220 tons of tires equates to approximately 20,000 tires. Per rule 62-711.530(2)(b), F.A.C., the maximum storage limits for used tires is 10,000 tires. Please revise the waste tire storage to 110 tons.*

Response 2. The waste tire storage on the application has been changed to 110 tons. Due to the nature of the business, storage will be at minimum as the tires will be processed as they are received. Tires are only expected to be stored during a downtime of the shredder, and will be less than 110 tons.

Comment 3. *Please provide 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. Rule 62-701.900(23), F.A.C.*

Response 3. A plan with aerial imagery showing zoning within on mile of the facility is attached. See Zoning Map – Sheet 3.

Comment 4. *The two figures (Figure 1: Site Layout and Figure 2: First Floor Plan) submitted along with the application did not provide all of the information requested for a plot plan of the facility. Please note Figure 2 First Floor Plan was titled for a different facility named Mid-Florida Materials located in Plymouth, Florida. Please provide 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; rule 62-7011.540(2) and (3), F.A.C.;

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

** Please 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; and specify drafting or origination dates.*

Response 4. Additional plans have been added to include the required items. See Site Layout – Sheet 1, First Floor Plan – Sheet 2, and Utility Plan – Sheet 4.

Comment 5. Please provide a statement of the maximum daily throughput and the planned daily annual throughput. Rule 62-701.900(23), F.A.C.

Response 5. The facility maximum daily throughput is 220 tons. The planned daily throughput is 73 tons, which is 25,915 tons per year (based on operating 355 days per year). This statement has been added to "Part III Answers/Attachment – B".

Comment 6. Please address how the facility will comply with rule 62-711.540(1)(j), F.A.C.

Response 6. This has been added to "Part III Answers/Attachment – B".

Comment 7. Please address how the facility will comply with rules 62-711.540(2)(d), and (h), F.A.C.

Response 7. This has been added to "Part III Answers/Attachment – B".

Comment 8. Please address how the facility will comply with rule 62.711.540(3)(e), F.A.C.

Response 8. This has been added to "Part III Answers/Attachment – B".

Comment 9. Please address how the facility will comply with rule 62.711.540(4), F.A.C.

Response 9. This has been added to "Part III Answers/Attachment – B".

Comment 10. Please provide a copy of the fire safety survey. rule 62-701.900(23), F.A.C.

Response 10. The fire safety survey will be conducted by the local fire department after the equipment is in place. Once complete it will be provided to the department.

Comment 11. Please provide a completed closure plan for the facility as required by Rule 62 - 711.700(2) and (3), F.A.C

Response 11. Rule 62-711.700 was repealed in 2012. We have prepared a Closure Plan similar to the requirements for a Material Recycling Facility. The Closure Plan is attached.

Comment 12. Please provide 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.

Response 12. An estimate of probable closing costs is attached.

Comment 13. *Please remove the sentence "Air pollution monitoring will be best left to the Florida Department of Environmental Protection to carry out since they are better equipped to handle this task" from Section 14 of the Emergency Preparedness Manual.*

Response 13. This has been deleted from the Emergency Preparedness Manual.

Comment 14. *Please note any transportation of used tires for sale need to be transported by a registered waste tire collector. rule 62-711.530(4)(a), F.A.C.*

Response 14. The facility plans to use Action Tire (FDEP 0088, Orange County Waste Tire License No.: 1079) as haulers of the used tires for sale.

We appreciate your review and trust that you will be able to approve the subject permit application. Please call or email (jsmith@hsagolden.com) if you have any questions.

Sincerely,

HSA GOLDEN

JOHN P. SMITH LICENSE No. 63423 STATE OF FLORIDA PROFESSIONAL ENGINEER

5/2/22

John P. Smith, PE
Vice President, Principal Engineer

cc:

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. _____

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

Part I-General Information:

A. Applicant Information:

1. Applicant Name: Tire Recycling Corp.
2. Applicant Street Address: 4925 Industrial Ln Suite 101
3. City: Kissimmee County: FL Zip: 34758
4. Applicant Mailing Address: 4925 Industrial Ln Suite 101
5. City: Kissimmee County: FL Zip: 34758
6. Contact person: Christian Torres Phone: ((40

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 Recycling Corp.
2. Facility Street Address (Main Entrance): 4925 Industrial Ln Suite 101
3. City: Kissimmee County: Osceola Zip: 34758
4. Facility Mailing Address: 4925 Industrial Ln
5. City: Kissimmee State: FL Zip: 34758
6. Contact Person: Christian Torres Phone: ((407)) 452-4730
7. Facility Location Coordinates:
   Section: 02 Township: 26 South Range: 28 East
   Latitude: -81.48027 Longitude: 28.25185
8. Anticipated date for starting construction _____ and for completion of construction _____
9. Anticipated date for receipt of tires October 1, 2021 and for start of processing Feb 2022

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: Hanover Poinciana McClane, LLC
2. Land owner's mailing address: 4925 Industrial Ln Suite 101
3. City: Kissimmee State: FL Zip: 34758
4. Authorized Agent: Christian Torres Agent's phone (407)4524730
5. Current lease expires: 7/12/203

D. Facility Operator Information (if different from applicant):

1. Operator's name: Tire Recycling Corp.
2. Operator's mailing address: 4925 Industrial Ln Suite 101
3. City: Kissimmee State: FL Zip: 34758
4. Contact person: Christian Torres Phone: (407-462-

E. Preparer of Application:

1. Name of person preparing application: Christian Torres
2. Mailing address: 4925 Industrial Ln Suite 101
3. City: Kissimmee State: FL Zip: 34758
4. Phone: (407)4524730
5. Affiliation with facility: Corporation Director

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:	0	0	110	10,800	110
Processed tires:	0	0	100	1600	100
Processing residuals:	0	0	0	0	
TOTALS:	0	0	210	12,400	

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 All parts of the shredded tire, including residuals, will be sold to different vendors. There will be no waste to be disposed.
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.

Unusable tires will be going through the shredding system where it will be sold as either TDF, Mulch, or Crumb.

Reusable tires will be resold as whole sale to tire businesses in state or exported out to clients already established under Action Tire in Kissimmee, FL.

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 Tire Recycling Corp is aware that statements made in this form and attached information are an application for a Waste Tire Processing Facility 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	Christian Torres, Director Name and Title	Date

B. Professional Engineer registered in Florida.

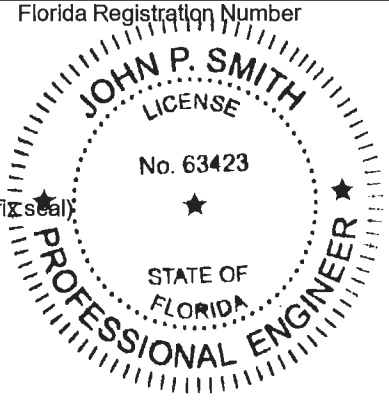
This is to certify that the engineering features of this waste tire processing facility have been Designed/examined by me and found to conform to engineering principals applicable to such facilit ies. In my professional judgment, this facility, when properly maintained and operated will comply with all 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

John P. Smith, PE
Name and Title

PE 63423, FBPE 9915
Florida Registration Number

(please affix seal)



HSA Golden, 11 Lake Gatlin Road
Mailing Address

Orlando, Florida 32806
City, State, Zip

407-649-5475
Telephone number

May 2, 2022
Date

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https://tirerecyclingcopr.com

Tire Recycling Corp
Emergency Preparedness Manual

1. Introduction

Tire Recycling Corp facility is located in the Trinity Industrial park in the city of Kissimmee. This site will be processing waste tires to repurpose for their raw material.

2. Purpose and Scope

The purpose of this manual is to provide information and guidance for responses to emergency incidents (fire) at the Tire Recycling Corp waste tire collection, storage, and processing.

This manual addresses all facets of activities at the waste tire site. This manual, however, will be subjected to review by fire fighting agencies in the County and will be updated as the situation dictates.

3. Site Function and Limitations

The purpose for establishing this site is to provide the County residents and County businesses with a means by which they can safely dispose of their waste tires in an environmentally sound manner. By doing so, removing a fire hazard and reducing or eliminating mosquito breeding grounds can be achieved in the city of Kissimmee. An additional benefit is the utilization of chipped waste tires as fuel and other applications such as mulch.

The waste tire site is designed to safely accommodate a relatively large number of waste tires. The site may also be used for educational purposes and visited by a number of school children and other institutions. Tires are stored for a minimum amount of time and always processed as soon as possible. No waste of any kind is generated at the site.

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4. Site Description

The waste tire collection and storage facility is approximately 59,649 square feet and is located on Industrial Lane east of Poinciana Blvd. at the Trinity Industrial Park center. All tires will be stored inside the facility which will have controlled access to employees only.Tires will be received by employees through the loading bays located at the back of the facility. Shredded tires will be stored outside behind the building in secured super bags.

Tires will be stored in accordance to Rule 62-711.540, F.A.C. The site is equipped with a fire suppression system that covers the entirety of the inside of the building. The area is surrounded by paving and is clear from any flammable source such as woods that may cause fire spreading.

The site is open to the public six days a week. Hours of operation and fee schedules are posted at the entrance to the office.

The waste tire collection and storage will be manned by site attendants who are in constant communication by radio with each other. Fire protection equipment is stored at the storage area, inspected and certified twice a year, and is readily available for usage in case of a fire.

5. Emergency Preparedness

Local authorities have been notified and will be kept appraised of the operations at the waste tire collection and storage site. The site is inspected by the fire marshal on an annual basis. A copy of this plan is posted at the office. Waste tire inventory is taken on a daily basis. Monthly statistics are maintained within our office.

Emergency Agencies:

Local Police Department:	(407) 846-3333 8 N Stewart Ave, Kissimmee, FL 34741
Local Fire Department:	(407) 518-2222 101 Church St #200, Kissimmee, FL 34741
Local Fire Tower:	(407) 742-6930 Osceola County Fire Rescue Station 64 2000 N Poinciana Blvd Kissimmee FL, 34746

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Local Hospital:

Osceola Regional
(407) 846-2266
700 W Oak St,
Kissimmee, FL 34741

Environmental:

Florida Department of Environmental Protection
(813) 632-7600
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Every effort is made to operate the site in a safe manner. All necessary materials to contain small fire and minor run-off are maintained onsite as outlined on the emergency supply list indicated below. Materials to clean up residues are also available.

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6. Emergency Supplies List

Equipment:

- Absorbents
- Absorbent pads
- Drums
- Over-packs
- Barricades
- Booms

Equipment:

- Two-Way radios
- Front-end loaders
- First-aid kits
- Dozers
- Shovels
- Fire Extinguishers
- SCBA Cylinder
- Camcorder

Personal Protection Equipment:

- Impervious coveralls
- Chemically resistant gloves
- Respirators and cartridges
- Hard hats
- Face shields
- Face masks
- Goggles

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7. Site Layout

See the attached drawings (Sheets 1 through 4) for site layout, waste tire collection center location, entrances and exits to the site, and location of fire hydrants that could be used to abate a potential fire.

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8. Emergency Response Coordinators and Emergency Response Team

1. Emergency Response Coordinator

Primary: Christian Torres - CTO

Address: 2824 Eagle Eye Ct.
Kissimmee FL 34746

Telephone Work: 689-244-0008
Cell: 407-452-4730

Responsibility: To ascertain the severity and magnitude of the emergency, contact the fire marshal, assign tasks to individual workers, implement the Contingency Plan, and, if necessary, order an evacuation of the premises.

Secondary: Carlos Torres - President

Address: 3759 Paradiso Cir.
Kissimmee FL 34746

Telephone: Work: 689-244-0008
Cell: 321-946-2846

Responsibility: To assist the primary emergency response coordinator to mobilize staff, if necessary, to prepare emergency equipment; to assist local response agencies, if needed to; and to supervise the cleaning up operations after the fire is completely abated.

Staff and Equipment Rafael Figueroa

Telephone: Work: 689-244-0008
Cell: 407-460-4402

Responsibility: In charge of cleaning up operations, assign tasks to all participants, supervise packing and disposal of contaminated soil, absorbents, booms, etc.

Chain of Command:

Until the arrival of the fire marshal and local response agencies, the personnel will take command of the site. The chain of command will be as follows:

Emergency Response Primary Coordinator

Christian Torres, CTO

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Emergency Response Secondary Coordinator

Carlos Torres, President

Staff and Equipment Coordinator

Rafael Figueroa

In an emergency situation where local authorities are called in, the senior officer of the responding agency (Osceola County Fire Department) shall assume command of the operations. Tire Recycling Corp. staff will then take a secondary position and will provide assistance if requested. Equipment will also be made available to the agency involved. However, Tire Recycling Corp. staff will be heavily involved in the clean-up operations after the site is secured and the fire is put out.

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9. Prevention of Emergency Situations

Operations at Tire Recycling Corp. waste tire collection and storage site shall be conducted in a manner that maximizes the safety of the staff, the safety of the public, and the safety of the environment. “No Open Flame” signs will be posted at the site, and no smoking will be permitted at the site. Residents bringing in their waste tires are instructed at the entrance of safety rules, protocol, and how and where to unload their vehicles.

The prevention of fire at the waste tire center is a primary goal of the staff. We recognize the fact that in dealing with stockpiles of scrap tires, prevention is of paramount importance because of the potential size, environmental impact, and costs of a tire fire. Therefore, pre-fire plans were instituted which included the following:

1. Only authorized personnel is allowed in the area where the tires are being stockpiled.

2. The waste tire collection site is provided with emergency vehicle access routes.

3. Access routes are all asphalt-paved roads.

4. Access routes are unobstructed, can be used year-round, are well maintained, and are accessible to the fire department at all times.

7. No chemicals or flammable materials are permitted within 250 feet of the tire pile.

8. No surface waters are nearby.

9. No open air burning is permitted anywhere on the total complex. No smoking is allowed anywhere within the facility building.

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10. Fire hydrants are located at the complex and can provide adequate water to suppress a fire.

11. All vehicles (e.g., front-end loader, trucks) operating at the tire storage area are equipped with a fire extinguisher.

12. Site inspections are conducted by the Osceola County Fire Marshal on an annual basis.

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10. Emergency Procedures

In a major fire, it is unlikely that Tire Recycling Corp.'s resources will be sufficient to completely control the fire. In this case, the goal of the staff is to protect the public and employees, protect the site, evacuate, and immediately notify the local fire agency.

Whenever an actual emergency situation arises, the emergency coordinator on-site shall take the responsibility for implementing this Contingency Plan. The emergency coordinator must immediately identify the nature, extent, and location of fire (where in the pile the fire started). Furthermore, the emergency coordinator must also assess possible hazard to the human health and the environment caused by the fire. Evacuation of civilians, a life safety consideration, should be considered as a highest priority by the coordinator. No strategy for managing the incident should bypass evacuation consideration. Any areas exposed to the smoke plume or subject to such exposure from shifting winds should be evacuated as a precaution.

Should an emergency occur, the emergency coordinator must take reasonable measures to ensure that the fire will not spread to the rest of the pile or to the adjacent facilities or equipment. If the fire is minor, loaders may be used to remove the unaffected tires from the piles. Extinguishers and water hoses may assist in this case. If the fire is major, neither the emergency coordinator nor his staff should approach the pile; this should best be left for the local fire agency which is equipped to handle such a situation.

Public agencies, as identified in the prefire plan, should be contacted in the earliest possible stages of the incident. If possible, the emergency coordinator should provide the local fire agencies with any information pertinent to the incident prior to their arrival at the site.

The use of heavy equipment such as front-end loaders and mid-size bulldozers are necessary in gaining access and removing unburned tires from the pile. Since the responding fire agencies may not provide such equipment, the emergency coordinator may be included to provide this task using Tire Recycling Corp.'s equipment (on-site) and staff.
During emergencies, accurate information gathering is essential. Such information could be coordinated and provided by the emergency coordinator. Examples include gauging the hot spots, the fire's locations, and the rate of spreading.

In the event of a small fire, the person discovering this fire (an attendant) must make a determination as to whether or not it can be extinguished safely and quickly with the available fire extinguishers. If it is determined that the fire can be

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easily extinguished with the available tools, notification of emergency coordinator should then be followed by taking an appropriate action.

The emergency response coordinator shall be notified immediately, and he shall determine if the site should be evacuated and if local agencies need to be immediately contacted. Additionally, the emergency response coordinator should determine if it is necessary to seal the stormwater outfall at the northeast corner of the Industrial Park. If deemed necessary, soil or sorbent material should be placed at the headwall of the stormwater pipe to preclude oily materials from migrating off-site.
If the person(s) first discovering the fire assesses the situation and determines that the fire cannot be handled by the staff at the site, the fire department, the Sheriff's Office, and the local hospital will be immediately notified. This person(s) also should immediately order an evacuation of the personnel on-site.

11. Evacuation

In case of emergency and the on-site emergency coordinator deems it necessary to evacuate, he/she shall give the instructions to immediate evacuate. Upon receiving the instructions, the staff shall leave the site by the nearest exit. Special attention will be paid to clients and visiting guests present on the site to ensure their safety and assist their egress.

Upon evacuation of the site, all personnel are to proceed directly to the rallying point. Upon evacuation, all non-responsive personnel shall be kept a safe distance from the site. Traffic on roads leading into the complex will be stopped or rerouted, if necessary.

Rallying Point: Far parking lot in front of the building.

12. Notification

In the event of fire, all personnel at the site must be immediately notified. Should the emergency coordinator determine that outside assistance is needed or notification of local emergency response authorities is warranted, he should:

1. Call the fire department first (dial "9-1-1")

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2. Call the local hospital (if necessary)

3. Call the Sheriff's Office

4. Notify adjancent and nearby businesses.

The emergency coordinator must be available to help the local emergency authorities. Should the coordinator decide that evacuation of the local area is advisable, he should notify the above three agencies of his assessment. Having done so, the emergency coordinator must then proceed to inform the environmental protection agencies at the local, State, and Federal levels.

13. Follow-Up

The emergency coordinator must note in the operating record the time, date, and details of any incident which requires implementing this Contingency Plan. The coordinator must develop a written report on the incident within 10 days after its occurrence.

1. All information included in the initial emergency notification and information indicated above. The report should also include information updating the original report.
2. Actions taken to respond to and contain the run-off/release resulting from the fire.
3. 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/release resulting from the fire.
4. Advice regarding medical attention necessary for exposed individuals.
5. Estimated quantity and disposition of recovered materials that resulted from the incident
6. A critique of the emergency response plan and how it was implemented.
7. Copies are to be forwarded to local and State emergency groups.

14. After the Fire Clean-Up

Environmental impacts associated with large tire fire could be substantial. Extreme heat turns rubber into oil. A standard passenger car tire can generate about two gallons of oil as it burns and liquefies. The danger associated with this oil is that it could leach into the soil and reach the shallow drinking water aquifer thus contaminating a very valuable drinking water source.

It is imperative to contain the run-off from the pile as well as all residues resulting from the incident. A tire fire should be treated as a hazmat incident. Environmental contamination must be monitored for surface water in the retention pond.

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Immediately after the emergency, the emergency coordinator shall provide for treating, storing, or disposing of recovered waste, or any other material that results from the fire.

The emergency coordinator must ensure that in the affected areas of the site.

1. All clean up operations are completed.
2. All emergency equipment listed in the Contingency Plan and indicated earlier are cleaned and ready for its intended use (if used) before the waste tire collection site is open for business again.

Contaminated equipment shall be cleaned with an appropriate solvent, and the discarded solution handled in an environmentally sound manner (may be treated as Emergency Preparedness Manual hazardous waste). Contaminated soils should be handled in accordance with the appropriate provisions of Chapter 62 of the Florida Administrative Code.

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Part III Answers/Attachments - B

1. **A description of the facility's operation, process and products including how waste tires will be received and stored.**

The facility will be used primarily as a shredding facility to produce TDF, mulch, and crumb. It will also be operating as a "used" tire wholesaler to independent tire businesses in FL and exported out to places such as the Dominican Republic where a business relationship has already been established with a number of purchasers. Tires will be received from multiple suppliers in FL. The tires will be delivered to our facilities via semi-truck or box trucks. The will be unloaded at our facilities where they will be sorted by grade, size, and quality. Any unusable tire will be sent to the shredding system to be processed. Processed tires are to be stored in sealed super bags. Shredders and storage will be located inside the facility. NO tire will be stored outside. Super bags with the shredded tire product will be stored inside and outside.

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.**

The shredding equipment will come from a company by the name of EcoGreen located in Salt Lake City, Utah. The equipment will consist of 4 processes: shredding of the whole tire for TDF or further processing, Shredder to make mulch size rubber and separates the wire from the tire, shredder to make rubber crumb and separate the fiber from the tire, and finally shredder to rubber dust. Attached are the spec sheets for each of the shredding units. The following is the equipment names and capacity per stage:

Stages	Model #	Description	Capacity (tons/hr)
1	TDS-TS-10-150-1	Green Giant	30
2	WC-GR-10-38-2	Dual Magnet Wire-Free Chip Grater 101 Module with Screening to produce up to 4 sizes.	12
3	CR-GN-3.5-12-1	Crumb Rubber Granulator 200 Module with Fiber Extraction	2
4	RP-KB-1.5-850-1	Rubber Powder Drumbuster 76 Module	1.5

3. **Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of.**

All parts of the shredded tire will be sold to different vendors which means that there will be no waste out of the process.

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4. Statement of the maximum daily throughput and the planned daily and annual throughput.

The facility maximum daily throughput is 220 tons. The planned daily throughput is 73 tons, which is 25,915 tons per year (based on operating 355 days per year).

5. A description of how the operator will maintain compliance with each of the storage requirements of Rule 62 -711.540, F.A.C.

62-711.540 Storage Requirements.

(1) All waste tire sites, collection centers, processing facilities, and disposal facilities which store waste tires shall comply with the following technical and operational standards:

(a) If the site receives waste tires from the public, a sign shall be posted at the entrance of the site stating operating hours, cost of disposal and site rules.

A sign in the front office will be posted with the detailing the prices for dropping off tires and stating the operation times for the office and times when drop offs will be accepted. Detailed rules will be available inside.

(b) No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile.

There will not be any open flames operating anywhere near the facility.

(c) An attendant shall be present when the site is open for business if the site receives waste tires from the public.

Tires will only be received when the plant is operating and an employee is able to tend to the customer. There will always be an employee that will guide the customer on how to dispose of the tires.

(d) Fire protection services for the site shall be assured through notification to local fire protection authorities. A fire safety survey shall be conducted at least annually and the survey report shall be made part of the next quarterly report.

Fire survey will be attached to this application once it is completed.

(e) The operator of the site shall prepare and keep at the site an emergency preparedness manual. A copy of the current manual shall be kept at an off-site location designated by the operator. The manual shall be updated at least once a year and upon changes in operations at the site. The manual shall contain the following elements:

1. A list of names and numbers of persons to be contacted in the event of a fire, flood, or other emergency,

2. A 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; and,

3. 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.

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The emergency preparedness manual is attached to this application.

(f) The operator of the site shall immediately notify the Department in the event of a fire or other emergency which poses an unanticipated threat to the public health or the environment. Within two weeks of any emergency, the operator of the site shall submit to the Department a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions.

The emergency preparedness manual is attached to this application.

(g) The operator of the site shall maintain records of the quantity of waste tires received at the site, stored at the site, and shipped from the site.

The required records shall be maintained at the facility.

(h) If the operator of the site is not the owner of the property, the operator shall obtain written authorization to operate the facility from the owner of the property.

A lease agreement is attached to the application.

(i) 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.

The site operator will have a cell phone available for emergency use at all times.

(j) The owner or operator shall provide for control of mosquitoes and rodents so as to protect the public health and welfare.

All whole tires will be stored indoors out of the weather and will not be a breeding ground for mosquitoes. The indoor storage and processing is in a clean controlled environment and it is unlikely that this would attract rodents. The facility will be manned during operating hours and if rodents were observed, an extermination service will be utilized.

(k) An approach and access road to the waste tire site shall be kept passable for any motor vehicle at all times.

All the roads will be kept clear and unimpeded.

(2) All waste tire sites, collection centers, processing facilities, and disposal facilities which store waste tires indoors must comply with the following additional technical and operational standards:

(a) Tire piles may not be more than 50 feet in width, except that piles along a wall shall not be more than 25 feet in width.

No tire pile along a wall will be wider than 25 feet. Interior tire piles shall be no wider than 50 feet.

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(b) The width of main aisles between tire piles shall be not less than eight feet.

Aisles between tire piles shall be 10 feet wide.

(c) The clearance from the top of storage to sprinkler deflectors or roof structures shall not be less than three feet.

The ceiling on the building is 35ft high. Tires will be more than 3 ft clear from the sprinkler deflectors.

(d) The clearance in any direction from unit heaters, radiant space heaters, duct furnaces, and flues shall not be less than three feet.

A minimum of 3 feet clearance shall be maintained between tires and any heater, duct, or flue.

(e) When waste tires are stored up to 15 feet high, walls between adjacent warehouse areas and between manufacturing and warehouse areas shall have not less than a four-hour fire rating.

Tires will be stacked up to 15 feet high and the building has fire sprinkler system.

(f) When waste tires are stored over 15 feet high, walls between manufacturing and warehouse areas shall have a fire rating of not less than six hours and steel columns shall have one hour fireproofing. If the top of storage exceeds 20 feet in height, two-hour fireproofing shall be provided for the column and its connections with other structural members.

Waste tires will not be stacked higher than 15 feet.

(g) An automatic sprinkler system installed in compliance with "The Standard for Storage of Rubber Tires," NFPA 231D, published by the National Fire Protection Association, Battery March Park, Quincy, Massachusetts, incorporated herein by reference, may be substituted for fire walls and column fireproofing.

Sprinklers systems will be compliant with "The Standard for Storage of Rubber Tires," NFPA 231D.

(h) At any time when an attendant is not present, access to the site shall be controlled through the use of doors, fences, gates, natural barriers, or other means.

The facility will be closed and secured when not operating.

(3) All waste tire sites, collection centers and any processing or disposal facilities which store waste tires outdoors must comply with the following additional technical and operational standards:
This section does not apply to this facility.

(4) For all waste tire sites, collection centers, processing facilities, and disposal facilities which store processed waste tires, the temperature of any above-ground piles of compacted, processed tires over ten feet high shall be

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monitored and may not exceed 300 degrees Fahrenheit. Temperature control measures shall be instituted so that pile temperatures do not exceed 300 degrees Fahrenheit. Temperature monitoring and controls are not required for processed tires disposed of in permitted landfills.

Storage piles of processed tires will be less than ten feet high.

(5) Any residuals from waste tire processing must be managed so as to be contained onsite, and must be controlled and disposed of in a permitted solid waste management facility or properly recycled.

This tire processing system does not result in waste residuals.

(6) The Department shall approve exceptions requested by an applicant as part of a waste tire processing facility permit application or modification to the preceding technical and operational standards if:

(a) No waste tires are stored on that site for more than one month; and,

(b) The Department, after consultation with the local fire authority, is satisfied that the site owner or operator has sufficient fire suppression equipment or materials on site to extinguish any potential waste tire fire within an acceptable length of time.

No exceptions are requested.

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.

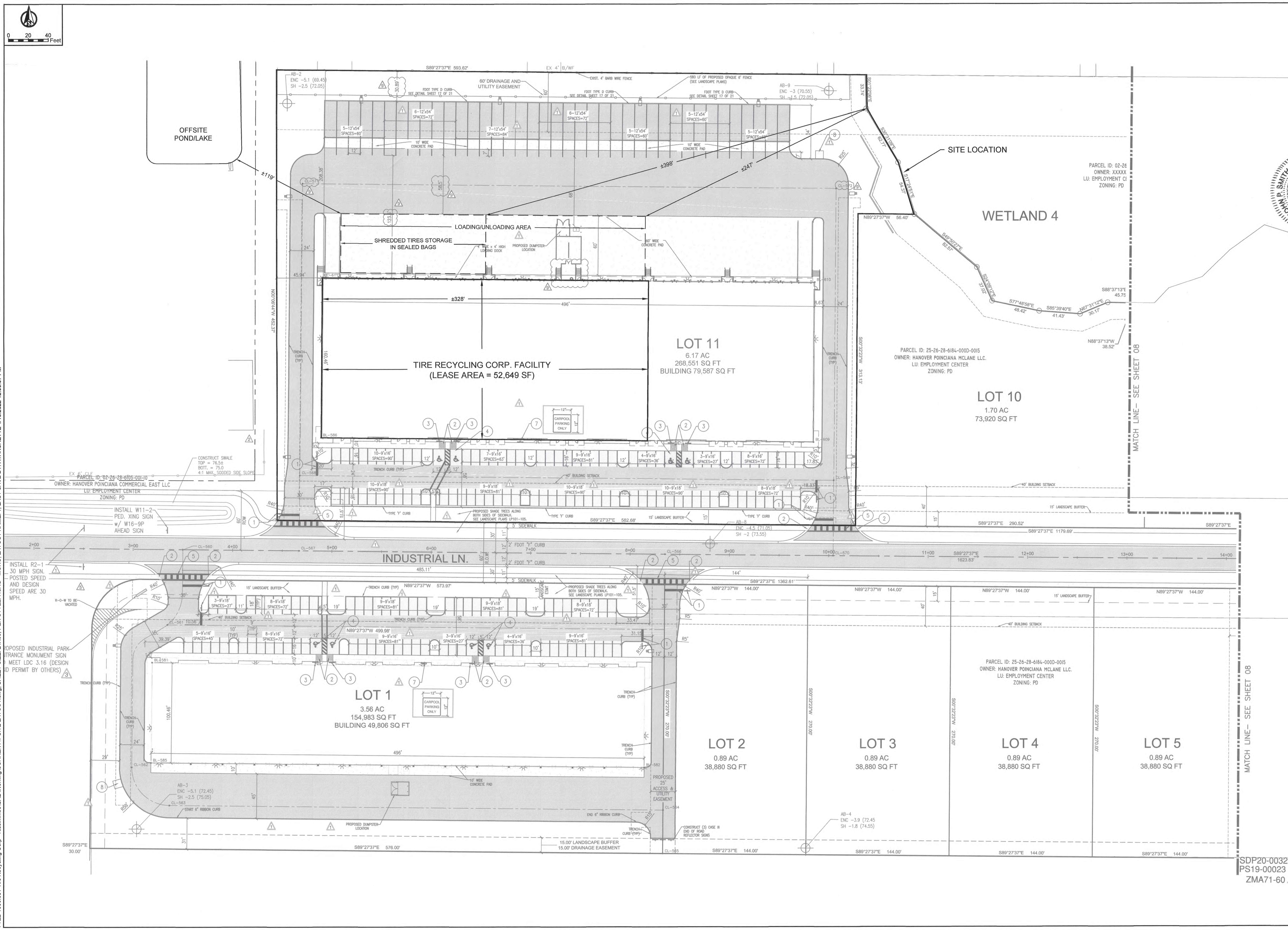
A copy of the emergency preparedness manual is attached. A copy will be kept at the offices in the warehouse and an additional copy will be kept in the permit holder's personal vehicle.

7. A copy of the fire safety survey

A copy of the fire safety survey will be attached when completed.

8. A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling.

Waste tires will be shredded as soon as they are received. The wholesale tires will be sold or kept in inventory and/or sold as retail.



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JOHN P. SMITH, P.E. No. 86522
HSA GOLDEN FBPE NO.: 9915

	BY	DATE
DESIGNED	JS	04/2021
DRAWN	TS	04/2021
CHECKED	JS	04/2021

REVISIONS

SITE LAYOUT

TIRE RECYCLING CORP. - KISSIMMEE
4925 INDUSTRIAL LN SUITE 101
KISSIMMEE, OSCEOLA COUNTY, FLORIDA 34758

PROJECT #
22-1039.001

SHEET
1

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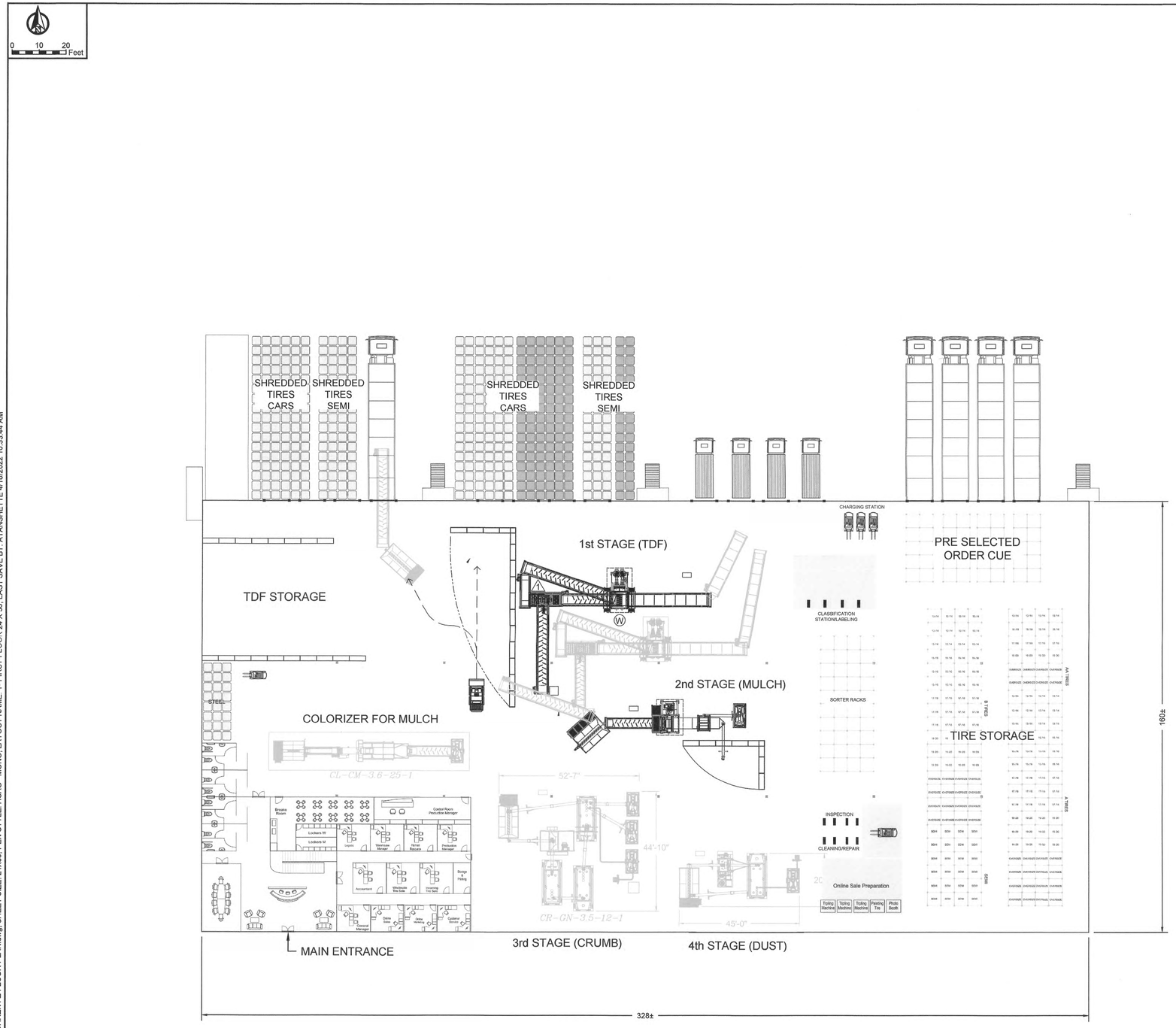

NOTES:

1. 1st STAGE AND 2nd STAGE WILL BE INSTALLED PRIOR TO INITIAL OPERATION
2. EQUIPMENTS SHOWN AS SCREENED IS TO BE INSTALLED AFTER INITIAL OPERATION
3. ALL OUTDOOR STORAGE IN SEALED BAGS

FLOOR PLAN

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HSAGOLDEN.COM

JOHN P. SMITH LICENSE NO. 84403 STATE OF FLORIDA
PROFESSIONAL ENGINEER
Electronically signed and sealed 4/18/22
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
JOHN P. SMITH, P.E.
P.E. NO. 84403 (STATE OF FLORIDA)
HSA GOLDEN FBPE NO.: 9915

#	DATE	BY
1	04/2021	JS
2	04/2021	TS
3	04/2021	JS

DESIGNED
DRAWN
CHECKED

REVISIONS	REVISED	CHECKED
	AT	JS

FIRST FLOOR PLAN
TIRE RECYCLING CORP. - KISSIMMEE
4925 INDUSTRIAL LN SUITE 101
KISSIMMEE, OSCEOLA COUNTY, FLORIDA 34758

PROJECT # 22-1039.001

SHEET 2

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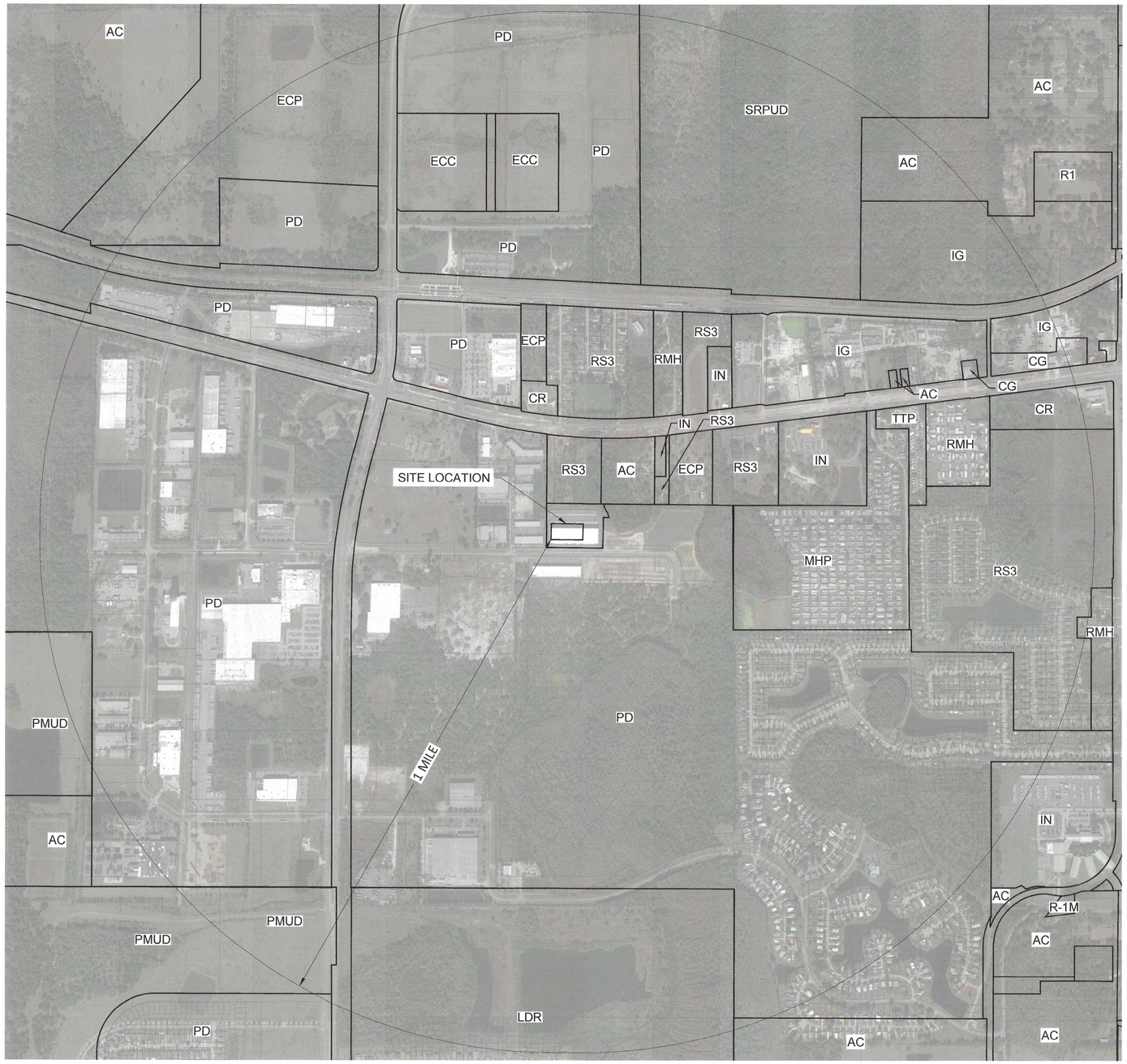

AERIAL SOURCE: GOOGLE EARTH 2022

LEGEND:

AC	AGRICULTURAL DEVELOPMENT AND CONSERVATION
CG	COMMERCIAL GENERAL
CR	COMMERCIAL RESTRICTED
CT	COMMERCIAL TOURIST
ECC	EMPLOYMENT CENTER CORE
ECP	EMPLOYMENT CENTER PERIMETER
IG	INDUSTRIAL GENERAL
IN	INSTITUTIONAL
SRPUD	SHORT TERM RENTAL PLANNED UNIT DEVELOPMENT
LDR	LOW DENSITY RESIDENTIAL
MHP	MOBILE HOME PARK
PD	PLANNED DEVELOPMENT
PMUD	PLANNED MIXED USE DEVELOPMENT
R1	RURAL DEVELOPMENT
R-1M	RURAL DEVELOPMENT
RMH	RESIDENTIAL—MANUFACTURED PRODUCT
RS3	RESIDENTIAL SINGLE FAMILY
TTP	TRAVEL TRAILER PARK

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JOHN P. SMITH LICENSE No. 69363 STATE OF FLORIDA PROFESSIONAL ENGINEER

HSA GOLDEN FBPE NO. 9915

BY	DATE
JS	04/2021
TS	04/2021
JS	04/2021

DESIGNED | DRAWN | CHECKED

#	DATE	REVISIONS	REVISED	CHECKED
1		AT		JS
2				
3				
4				
5				

ZONING MAP

TIRE RECYCLING CORP. - KISSIMMEE
4925 INDUSTRIAL LN SUITE 101
KISSIMMEE, OSCEOLA COUNTY, FLORIDA 34758

PROJECT # 22-1039.001

SHEET 3

0 30 60 Feet

LEGEND:

- STORM DRAINAGE LINE
- STORM DRAINAGE INLET
- WATER LINE
- HYDRANT

POND/LAKE TO ADJACENT PROPERTY

FIRE HYDRANT

SAMPLE POINT #10

PROPOSED 15' UTILITY EASEMENT

TIRE RECYCLING CORP. FACILITY (LEASE AREA = 52,649 SF)

SAMPLE POINT #

LOT 11

SITE LOCATION

SITE LOCATION

WETLAND 4

FIRE HYDRANT

PROPOSE UTILITY E

POND A

WETLAND 3

12" PVC SANITARY MAI FIRE HYDRANT

FIRE HYDRANT

12

FIRE HYDRANT

10" W

10" PVC WATER MAIN

ATER POINT OF ONNECTION ONST. TEMPORARY MPER AT EXIST. 10" LVE AND CAP

SAMPLE POINT #5

PROPOSED 25' ACCESS AND UTILITY EASEMENT

WATER MAIN

FIRE HYDRANT

STORM NETWORK

FIRE HYDRANT

PROPOSED 15' UTILITY EASEMENT

LOT 1
3.56 AC
154,983 SQ FT
BUILDING 49,805 SQ FT

25.00'

LOT 2
0.89 AC
38,880 SQ FT

LOT 3
0.89 AC
38,880 SQ FT

SAMPLE POINT #2

SAMPLE POINT #9

FIRE HYDRANT

SAMPLE POINT #8

FIRE HYDRANT

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JOHN P. SMITH LICENSE No. 61224 STATE OF FLORIDA

JOHN P. SMITH, P.E.
PROFESSIONAL ENGINEER
FL REG. NO. 61224
CERTIFICATE OF AUTHORIZATION NO. 9915
HSA GOLDEN CONTRACT

	DESIGNED	DRAWN	CHECKED
BY	JS	TS	JS
DATE	04/2021	04/2021	04/2021

#	DATE	REVISIONS	REVISED	CHECKED
1			AT	JS
2				
3				
4				
5				

UTILITY PLAN

TIRE RECYCLING CORP. - KISSIMMEE
4925 INDUSTRIAL LN SUITE 101
KISSIMMEE, OSCEOLA COUNTY, FLORIDA 34758

PROJECT # 22-1039.001

SHEET 4

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