

Transmittal Letter

May 17, 2013

Apex Companies, LLC

10220 Harney Road
Thonotosassa, FL 33592
Office: 813-248-8558
ww.apexcos.com



RECEIVED
MAY 20 2013

To:
Florida Dept. of Environmental Protection
Central District
Solid Waste
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Attention: Mr. F. Thomas Lubozynski, PE

Re: Global Tire Recycling

Permit Number: 0136808-006-WT-02

We are sending you

<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under Separate Cover via:		
<input checked="" type="checkbox"/> Report	<input type="checkbox"/> Prints	<input type="checkbox"/> Plans	
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Change Order	<input type="checkbox"/> Samples	
<input type="checkbox"/> Specifications	<input type="checkbox"/> Payment Request	<input type="checkbox"/> Other	

Submittal	Quantity	Date	DWG. #	Description
2	4	5/10/13		Response to FDEP Comments letter dated 5/9/13

These are transmitted as checked below

- | | | |
|--|---|---|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> Approved as Submitted | <input type="checkbox"/> Resubmit copies for approval |
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Approved as Noted | <input type="checkbox"/> Submit [#] copies for distribution |
| <input checked="" type="checkbox"/> As Requested | <input type="checkbox"/> Returned for Corrections | <input type="checkbox"/> Return [#] corrected prints |
| <input type="checkbox"/> For Review and Comment | <input type="checkbox"/> Revise and Resubmit/Work May Not Proceed | |
| <input type="checkbox"/> FOR BIDS DUE: | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN | |

Comments:

Copy to:

Signature:  Larry G. Schmaltz, P.E.



RECEIVED
MAY 20 2013
DEP Central District

May 10, 2013

F. Thomas Lubozynski, P.E.
Waste & Air Resource Programs Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RE: Sumter County – SW WACS # 53122
Global Tire Recycling of Sumter County – Waste Tire Processing Facility
First Request for Additional Information
Permit Application No. 0136808-006-WT-02

Dear Mr. Lubozynski:

Apex Companies, LLC (APEX) has received a copy of your First Request for Additional Information letter dated May 09, 2013. The following responses to your comments have been generated for your review:

COMMENT 1: *The Operation Plan, page 4, section 3.5, states “The Global facility receives tires from the general public, in addition to Florida FDEP-registered waste tire collectors or holders of Florida waste tire processing permits. Both are allowed to dispose of tires at the Global recycling plant.” Please note, disposal of tires at the Global facility is not permitted; recycling or processing of tires is permitted. Please change the wording to remove reference to disposal.*

RESPONSE: The wording in the Operations Plan has been revised to remove the reference to *disposal* of tires and has been replaced with “*recycle or process tires.*” The revised Operations Plan is included herein in Attachment 1.

COMMENT 2: *Rule 62-711.540(1)(e), F.A.C. requires, “The manual (Emergency Preparedness Manual) shall be updated at least once a year and upon changes in operations at the site.” Therefore, an updated plan must be submitted.*

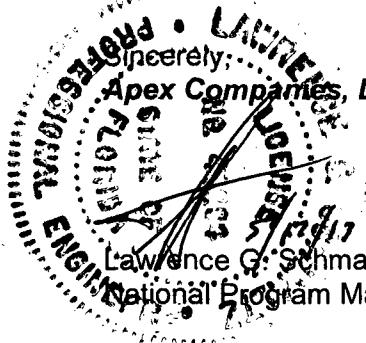
RESPONSE: A revised Emergency Preparedness Manual dated May 9, 2013, is included herein in Attachment 2.

COMMENT 3: *Page 5, section 3.5 of the Operation Plan states "In the event of a fire or other emergency, Global will contact FDEP Emergency Response at 800-320-0519, with a follow up written report." This phone number is for the Florida State Watch Office (SWO). If you keep this information in the updated manual, use that name in place of FDEP Emergency Response.*

RESPONSE: The wording in the Operations Plan has been revised to indicate that the Florida State Watch Office (SWO) will be contacted in the event of an emergency. The revised Operations Plan is included herein in Attachment 1.

If you have any questions or require any additional information, please call me at 813-248-8558.

Sincerely,
Apex Companies, LLC
Lawrence G. Schmaltz, P.E.
National Program Manager



Attachments: 1) Operations Plan revised May 10, 2013
2) Emergency Preparedness Manual dated May 9, 2013



ATTACHMENT 1
OPERATIONS PLAN
Revised - May 10, 2012



OPERATIONS PLAN FOR PERMIT RENEWAL
For:
GLOBAL TIRE RECYCLING OF SUMTER COUNTY
1201 INDUSTRIAL DRIVE
WILDWOOD, SUMTER COUNTY, FLORIDA

1.0 Introduction

This Operations Plan for Global Tire Recycling of Sumter County (Global) has been prepared as shown in the bottom left corner of the document and is effective as of that date. This permit renewal document is meant to be an all-inclusive plan and supersedes all previous documents, including the previously approved Operations Plan for Global Tire Recycling of Sumter County, dated July 2008. Notice of permit renewal will be published when the department issues the Notice of Intent to Issue a Permit.

2.0 Facility Description and Design

The facility is located at 1201 Industrial Drive, Wildwood, Sumter County, Florida, and is operated as a waste tire collection, processing, and recycling facility. The site consists of one building, in two parts. The larger portion of the building to the west is used for processing the used tires. The smaller, eastern portion is used for offices, testing areas, and for product display. The Site Plan, showing the as-built condition, was originally dated 4/1/98 and was prepared by Robert L. Rogers Engineering Co. Inc. This figure was submitted to the FDEP as Figure 1 of 1 in April 1998. An updated Site Plan was submitted as Sheet 1 of 1, prepared by Robert L. Rogers Engineering Co. Inc., and was dated April 16, 2003. The Site Plan was again revised to be included with the prior permit renewal and was dated July 16, 2008. A current Facility Plot Plan, denoted as Figure 1, showing the present site layout is included with this submittal. Also, a reduced Plot Plan is included with this Operations Plan for ease of use by the regulatory inspector.

Global is located within the City of Wildwood Willard Peebles Industrial Park and is not within 200 feet of any natural or artificial body of water, including wetlands. Rogers Engineering submitted a certification letter, dated March 7, 2003, indicating that the area was inspected and that no water



bodies, potable water wells, or wetlands were located within 500 feet of the site. Pursuant to a site reconnaissance by Lawrence G. Schmaltz, P.E. on March 6, 2013, it was again confirmed that no water bodies, potable water wells, or wetlands currently lie within 500 feet of the site.

An updated Boundary & Topographical Survey plan, dated April 15, 2008, was completed and was included in the April 2008 Permit Renewal Submittal. This Boundary & Topographical Survey plan, is still valid and therefore a revised plan is not being submitted as part of this permit renewal. Current Facility Section Maps, denoted as Figures 2 and 3, showing the present land use and zoning, respectively, are included with this submittal.

The Site Grading Plan (Sheet 4 of 5, dated August 27, 1997 by Robert L. Rogers Engineering Co.) was previously filed with the FDEP as part of Attachment D to the Waste Tire Processing Permit Application dated 1/12/98 and indicated that outside elevations are such as to direct liquid runoff from any potential waste tire fire away from the perimeters of the site and away from any water body. Pursuant to a site reconnaissance by Lawrence G. Schmaltz, P.E. on March 6, 2013, site grading remains unchanged. Since the previously submitted Site Grading Plan (Sheet 4 of 5, dated August 27, 1997 by Robert L. Rogers Engineering Co.) is still valid, a revised plan is not being submitted as part of this permit renewal.

Production and storage areas are on, or surrounded by, concrete or asphalt paving. Other landscaped areas will be maintained so as to minimize risk of fire. An attendant or guard shall remain on duty at the gatehouse, or at times in other locations, during all hours of operation, and at all times that the access gate is open. At present, an attendant is on premises 24/7.

3.0 Facility Operation

Global is operated as a tire recycling facility and as such has numerous stages of operation, including receiving of waste product, storage of product, processing of product, removal of non-rubber materials, storage of processed materials, and removal of processed materials.



3.1 Process and Products

A confidential Process Description document was submitted with the 1998 application as Attachment H. An updated document was submitted as Attachment H in the 2003 permit renewal application, and was dated February 25, 2003 and revised May 2, 2003. Since the Process Description document is still valid, and due to confidentiality and proprietary information, this document is not being re-submitted.

3.2 Processing Equipment

Global's Production Equipment Book was submitted with the 1998 application as Attachment I and Attachment C. Attachment I of the 2003 Application included the Production Equipment Book with Equipment List Index/Horsepower, Electrical Specs and Capacities/Manning Table. The document dates were February 13, 1998, with revisions March 2003 and May 2003. These documents are referenced herein as the current documents with no changes since the last submittal. The equipment and layout of that equipment remain unchanged. Figures previously submitted showing the processes involved included the following prepared by Riddle Consulting Engineers, dated September 16, 1997:

FIGURE #	TITLE
A-1	Overall Floor Plan
A-2	Office Floor Plan
A-3	Bath/Break/Lab Floor Plan
A-4	Exterior Elevations
E-1	Office Power Layout Plan
E-2	Office Lighting Plan
E-3	Production Area Lighting Plan
E-4	Production Area Power Plan
E-5	Panel Schedules
E-6	Fixture Schedules/Riser Diagram & Instructions to Contractors
E-7	Parking Lot Lighting Plan
M-1	Reflective Ceiling Plan



FIGURE #	TITLE
M-2	Production Area Fire Protection Plan
M-3	Office Fire Protection Plan
M-4	HVAC Plan
P-1	Production Area Plumbing Plan
P-2	Office Plumbing Plan
S-1	Foundation Plan
S-2	Typical Section and Details

3.3 Waste Process Description

The facility consistently processes approximately 32 million pounds of tires annually. The scrap rate is approximately 34% for 10.88 million pounds of scrap. The scrap composition is consistently 22% wire/rubber and 12% fiber/rubber. These residuals are loaded into open-top bulk containers for sale or disposal, or loaded into roll-off containers to be hauled off by Advanced Disposal to its Ocala TSF facility.

3.4 Daily and Annual Throughput

The maximum daily throughput of the system is 4,000 pounds of crumb rubber finished product per hour, or 96,000 pounds of crumb rubber finished product per 24 hour day. With a 34% scrap rate, 142 tons, or 14,200 whole passenger tire equivalents (PTE's), can be processed in each 24 hour period. The planned throughput is approximately 39.36 million pounds annually.

3.5 Operational Compliance

The Global facility receives tires from the general public, in addition to Florida FDEP-registered waste tire collectors or holders of Florida waste tire processing permits. Both are allowed to recycle or process tires at the Global recycling plant. A sign is posted at the entrance to the facility stating the operating hours, costs of disposal, and site rules. All roadways on Global's property will remain passable for motor vehicles. Industrial Drive will never be used as a staging or waiting area. A 50 foot wide fire lane will be maintained at each tire pile, with unobstructed emergency equipment access. Access to the site will



be controlled by fencing around the perimeter with a locking gate observed by the gatehouse attendant.

A copy of the Emergency Preparedness Manual, revised May 9, 2013, is kept on file at the facility in the foreman's office and is updated yearly or upon changes in operations at the site. The revised Manual is included in the May 10, 2013, response to FDEPs First Request for Additional Information dated May 09, 2013. Record keeping is in accordance with Chapter 62-711.530(4) and (5) and by the Quarterly and Annual Waste Tire Processing Facility Reports. Additionally, record keeping requirements of OSHA 29CFR1910.20 will be followed. The facility maintains a land line phone system, as well as having key personnel equipped with cellular phones in order to assure prompt communication with the fire department if necessary.

On October 27, 2008, the FDEP's Air Resource Management Program conducted an inspection of Global's facility. The inspection revealed that Global failed to conduct visible emission testing in 2008. In April 2009 a Warning Letter (WL08-0067AS60SWD) was issued by the Department requiring emission testing. In December 2009 a settlement was reached after corrective actions were performed. Civil penalties in the amount of \$2,250.00 were paid in January 2010 and the case was closed in May 2010. Enforcement Action documentation is included herein.

The City of Wildwood Fire Chief has reviewed and approved the previously submitted fire safety and protection plans. Fire safety survey/inspections are performed on an annual basis by the Sumter County Fire Department. The last annual fire inspection was performed on December 20, 2012. A copy of the inspection form is attached herein. In the event of a fire or other emergency, Global will contact the Florida State Watch Office (SWO) at 800-320-0519, with a follow up written report. No open flames are allowed within 25 feet of any waste tire pile and signs will remain posted within and outside of the plant near the live floor hoppers to remind all employees and visitors of this requirement. The machine shop area containing welding equipment occupies the southwest section of the



plant. No scheduled welding is currently being performed as this task is contracted out. Should on-site welding or emergency repair be necessary, all waste tires and residuals will first be removed beyond 25 feet. Automatic sprinkler system modifications and upgrades were completed in November 2011 following an equipment fire in October 2010. The upgraded system was engineered and installed in compliance with "The Standard for Storage of Rubber Tires", NFPA 231D, and specifically in accordance with NFPA #13 Standards, all materials conforming to specifications set forth in Chapter 2, NFPA #13 edition. The system was inspected by Freedom Fire following installation. The Production Area Fire Protection Plan (No. M-2) and the Office Fire Protection Plan (No. M-3), both dated 9/16/97 by Riddle Consulting Engineers were previously submitted as part of Attachment B to the Permit Application dated 2/12/98, and are still valid.

All outdoor waste tire piles, chip piles (height not to exceed 8') and moving zones will not exceed 50 feet in width by 15 feet in height and 10,000 square feet of surface area. Production and storage areas will be only on concrete or asphalt surfaces. By having exposed tires only in Moving Zones, no tires with the potential to collect water will remain outdoors long enough to be a potential breeding ground for mosquitoes. No food or organic matter will be permitted in or near the moving zones so as to not attract vermin. The level of tire chips stored in Global's temporary chip storage area will be maintained at a level of 4 - 5 feet and will never exceed 8 feet in height. All residuals are contained in 30 cubic yard dumpsters and are hauled off by Advanced Disposal to its Ocala facility. Scrap steel is hauled to Gerdau/Ameristeel in Catersville, Georgia for recycling, and waste fiber/fluff is hauled to Cemex in Brooksville, Florida for use as fuel.

Regarding indoor storage, an area north of the Grizzly granulator is designated for temporary storage of a small number of good used tires culled for resale. This area will never exceed 20 feet in width. Only one indoor storage area exists, for permanent or continuous storage, Area E, and any aisles will maintain a minimum 8 foot width. The maximum height of indoor storage is 5 feet. The eave height on the west side of the building is 21 feet and 24 feet on the east side. The sprinkler system piping and sprinkler



deflectors are set higher than 18 feet from the finished floor. The production area is not heated. Ventilation is supplied by fresh air intake louvers and exhaust fans. If it becomes necessary to provide radiant space heaters during cold weather, they will be placed more than 3 feet from any storage area or other flammable materials.

4.0 Annual Accumulation

During full scale production, 100% of Global's annual accumulation of waste tires is removed via processing into saleable crumb rubber and residual.

5.0 Facility Operations Modifications

The facility has not modified its operations, storage areas, or processing since the April 2008 Permit Renewal Submittal.



ATTACHMENT 2

EMERGENCY PREPAREDNESS MANUAL
Revised - May 9, 2012

GLOBAL TIRE RECYCLING
EMERGENCY PREPARDNESS
MANUAL



EMERGENCY PREPAREDNESS MANUAL

The emergency plan for the waste tire processing facility operated by Global Tire Recycling of Sumter County, Inc. addresses measures that should be taken in emergency situations that may occur during the operation of the facility. The Emergency Plan has been submitted to the Florida Department of Environmental Protection as part of Global's application to secure a waste tire processing facility permit.

The emergency plan describes the actions to be taken by plant personnel to minimize hazards to human health and the environment resulting from fire, explosion, spills, industrial accidents or other emergency conditions.

Coordination letters will be sent to the responsible officials of each of the emergency services listed herein. The letters will explain the facility and invite each contact person to visit in order to acquaint himself with the plant. A copy of the Emergency Preparedness Manual with all amendments will be available on site. Amendments to the emergency plan will be submitted to the Department whenever the facility changes its design or operation in a way that materially increases the potential for an emergency situation or changes the necessary emergency response, or whenever the emergency coordinators change.

Personnel and User Safety

Every attempt will be made to reduce the possibility of an emergency at the plant. Smoking will be prohibited at all times on the entire premises and all employees and visitors will be notified of the ban. No open flame will be permitted within 25 feet of a tire pile, rubber in process, product storage area, flammable residue such as fiber or other flammable material. Production personnel will be trained in the safe operation of all equipment and will be required to wear appropriate protective gear.

An emergency response training program will be established for personnel including:

- Identification of Emergency Coordinator
- Identification of duties and responsibilities of the Emergency Coordinators and other emergency response personnel
- Identification of communication systems
- Development of an evacuation plan
- Summary of first aid for selected medical emergencies
- Summary of available emergency services

Emergency Coordinators and Chain of Command

If an emergency situation occurs at the site, employees must contact the designated Emergency Coordinators. Emergency Coordinators assume responsibility in the order listed below:

PRIMARY EMERGENCY COORDINATOR

Mark Bailey, V.P. Plant Operations	Work (352) 330-2213
Global Tire Recycling of Sumter County, Inc.	Cellular (352) 303-4777
1201 Industrial Drive Wildwood, FL 34785	

SECONDARY EMERGENCY COORDINATOR

Patricia Johns, Account Manager	Work (352) 330-2213
Global Tire Recycling of Sumter County, Inc.	Home (352) 793-8595
1201 Industrial Drive Wildwood, FL 34785	Cellular (352) 457-5374

There will be at least one Emergency Coordinator on site or on call at all times with the authority to commit the necessary resources of the facility to carry out the provisions of the emergency plan.

Duties and Responsibilities of the Emergency Coordinator

Emergency Plan Implementation

The decision to implement the emergency plan at the facility will depend on whether a fire, explosion, or other emergency incident could potentially endanger public health and safety or the environment. The following information provides the Emergency Coordinator with criteria to assist in making this decision.

Fire and/or Explosion

- The fire spreads and could ignite other materials on site or at other locations on site or could cause heat-induced explosions.
- The fire could spread to off-site areas.
- Use of water and/or chemical fire suppressant could result in contaminated runoff.
- An imminent danger exists that an explosion could occur, causing a safety hazard.
- An imminent danger exists that an explosion could ignite other materials at the facility
- An explosion has occurred

Material Release or Spill

- The spill could result in release of flammable liquids or vapors, causing a fire or gas explosion hazard.
- The spill can be contained on-site, but the potential exists for groundwater contamination.
- The spill cannot be contained on-site, resulting in off-site soil contamination and/or ground or surface water pollution.

Emergency Response Procedures

Whenever there is any type of reported incident at the facility, the Emergency Coordinator must immediately notify facility personnel, identify and assess the source and extent of the emergency, and take action to control the situation.

Notification

Personnel on site should contact those Emergency Response Agencies as soon as possible by calling 911. Do not wait to notify the Emergency Coordinator before calling 911 if the Emergency Coordinator is not on site.

In the event of an imminent or actual emergency occurrence, the first person on the scene should notify the Emergency Coordinator who will initiate a proper response to the situation. Notification of the Emergency Coordinator should be performed second only to notification of on-site personnel, site evacuation if necessary, and calling Emergency 911 depending on the emergency situation.

The Emergency Coordinator will alert all facility personnel through the internal communications system and aid in any necessary evacuation. Progression of notification will continue to local, State and Federal response agencies deemed appropriate by the Emergency Coordinator. A list of the Designated Emergency Coordinators is included in Appendix A-1. This list will be posted in a conspicuous location on site. A list of the Emergency Response Agencies and Contacts is included in Appendix A-2 and a copy will be posted in a conspicuous location on site. In case of an emergency situation, an assessment of the potential hazard must be made. If the Emergency Coordinator determines that the facility has had a fire, explosion, spill or other incident that presents a possible hazard to public health and safety or to the environment, and initiates the Emergency Plan, contact with the Wildwood Fire and Police Departments must be made, informing them of situations where an evacuation of the surrounding area is necessary. The Florida State Watch Office must also be advised of all the pertinent facts regarding the incident through its emergency response contact at 1 (800) 320-0519. Within two weeks of an 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.

When making a report the following information should be provided:

- Name and telephone number of person making the report
- Name, address and telephone number of the facility
- Type and time of incident occurrence
- Type and quantity of materials involved
- Extent of any injuries
- Possible hazards to public health and safety or the environment

Control Procedures

The nature of the work carried out at Global's plant makes the occurrence of emergency situations a possibility, even though the possibility may be remote. Emergencies can happen quickly and unexpectedly, requiring immediate response.

Immediate action by facility personnel will concentrate on: (1), extinguishing the fire or containing any leaks, and (2), preventing the plant's automatic emergency water sprinkling system from engaging unnecessarily. Immediate emergency medical attention will be given to injured personnel. Possible sources of ignition should be removed from the area, if this can be done without risk, and all work shall stop until the fire or incident can be safely controlled.

Storage and Treatment of Released Materials

Immediately after an emergency situation, the Emergency Coordinator will make arrangements for the storage or disposal of any recovered wastes, water or any contaminated materials resulting from the incident. The owner will notify the Department of any such incident and comply with its directives. Wastes generated will be collected and transported to a permitted disposal site.

Post-Emergency Equipment Maintenance

Following an incident all emergency response equipment used must be cleaned and made fit for reuse, or replaced as necessary, so that the equipment will be available when facility operations resume. An inspection of the emergency equipment used in response must take place before operations resume to assure that each item is in proper working condition. Remedial activities as a result of this inspection may include recharging fire extinguishers, replacing personal protective gear, and restocking disposable items.

Internal Communication/ Warning System

Telephones and a paging system will be available at the site for alerting facility personnel in the event of an emergency. Units will be located in readily accessible areas at the plant. A siren alarm system will be installed which can be activated from various strategic locations within the plant should an emergency situation arise. This system provides personnel with immediate emergency notification and necessary instructions in the event of an incident.

Evacuation Plan

In an emergency situation, and when time permits, the Emergency Coordinator is the individual responsible for determining when evacuation of the facility is required. Imminent or actual dangers that constitute a situation requiring evacuation include:

- A generalized fire that has activated the automatic emergency sprinkler system or threat of generalized fire that cannot be avoided.
- An explosion or the threat of explosion that cannot be averted.
- A major spill or leak that cannot be contained and which constitutes a threat to human health.

When time permits and evacuation is required, the following procedures should be followed:

- Alert all personnel using the plant telephone and paging systems, as well as by activating the siren alarm system.
- Shut down all machinery and other equipment.
- All personnel should proceed to a designated meeting point. For all plant personnel, this would be the parking lot east of the office area
- Once assembled, standby to afford assistance if and as needed

Should a situation occur for which an alternative meeting place is necessary, employees will proceed to the guardshed.

When time does **not** permit, proceed to the evacuation route:

Evacuation Route: Personnel should proceed past the gate out of the perceived danger zone and notify appropriate emergency personnel.

Fire Fighting and Other Emergency Equipment

The plant will maintain a supply of fire extinguishers in order to contain and extinguish a fire before it activates the plant's automatic emergency water sprinkling system. The fire extinguishers will be placed at or near major pieces of equipment and in other areas and signs will mark their locations.

Extinguishers are of the dry chemical type and are maintained in conformity with state and local fire codes and regulations. A list of emergency supplies is attached as Appendix A-3.

In any situation where use of fire extinguishers fails to contain a fire, the automatic emergency water sprinkling system will be activated. This system will spray water at a rate of 1155 gallons per minute throughout the production and storage areas inside the plant. All runoff resulting from engagement of the sprinkler system will be contained in an exterior stormwater retention system. The Production Area Fire Protection plan was submitted as Page M-2 of the Project Drawings (Attachment B to the application). Details of the pollution control baffle unit are given at Page No. 4 of the Site Plan, (Attachment D to the application). Oily water generated by the combustion of waste tires will be contained inside the plant and trapped by this pollution control unit. After the fire is extinguished, any oily material in the plant and pollution control baffle unit will be pumped out and removed to a permitted disposal site. Any oily residue remaining on floors will be treated with absorbent material that will be deposited in 55-gallon drums and transported to a permitted disposal site.

First Aid/Safety Equipment

First aid and safety equipment will be located in strategic locations on the site. First aid kits are located in the office area as well as in the foreman's office and in the machine shop area, will contain a full range of items necessary to care for minor injuries needing prompt attention.

Medical Emergencies/First Aid

In cases of medical emergency, trained medical response personnel should be contacted immediately. First aid administered by on-site personnel should continue until professional assistance arrives

First aid is the immediate care of a person who has been injured or has suddenly taken ill. It is intended to prevent death or further illness or injury, and to relieve pain. The objectives of first aid care are:

- 1) To control conditions that might endanger life
- 2) To prevent further injury
- 3) To relieve pain and treat for shock
- 4) To make the injured person as comfortable as possible

Initial responsibility for first aid rests with the first person at the scene, who should react quickly, but in a calm and reassuring manner. Emergency medical assistance (911) should be called as soon as possible, being clear as to

suspected types of injury or illness. The injured person should not be moved, except when necessary to prevent further injury.

Pulmonary Resuscitation (General Guidelines)

If the victim is unresponsive and no breathing is apparent, begin mouth-to-mouth resuscitation immediately. Delay increases the risk of serious disability or death:

1. Carefully place the patient flat on his/her back and kneel at the patient's side. In cases where the patient is a violent accident victim, use caution and your best judgment. If the victim is in an awkward position, roll victim as a unit onto his/her back, keeping the body from twisting and the spine in alignment
2. Establish an airway. Check the victim's mouth with your finger to be sure that no obstruction is present, and then tip the patient's head back until the chin points straight up. This will help prevent the tongue from blocking the airway.
3. Pinch the patient's nostrils and begin mouth-to-mouth resuscitation by taking a deep breath and placing your mouth over the patient's mouth so as to make a leak-proof seal. Blow your breath into the patient's mouth until you see the chest rise.
4. Remove your mouth and allow the patient to exhale
5. Repeat the procedure at a rate of once every 5 seconds.

Heart (Cardiac) Resuscitation (General Guidelines)

In an unresponsive patient you should check for a cardiac pulse. Locate the larynx (Adam's apple) with the tips of the fingers, and slide the fingers into the groove between the larynx and the muscle at the side of the neck. If no pulse is felt, circulation must be re-established within 4 minutes to prevent brain damage.

With the patient flat on his/her back, kneel at the waist, facing the head.

Place the heel of your right hand over the heel of your left hand on top of the patient's breast bone slightly more than one inch above its lower tip, holding your fingers off the patient's chest.

Shift your weight to the patient's chest and compress it at least one and one-half to two inches, then remove the pressure.

Continue at a rate of 80 compressions per minute

Alternate one breath and 5 compressions until medical personnel arrive.

Heavy Bleeding

Heavy bleeding is caused by injury to one or more large blood vessels. Lay the patient down. Control bleeding by applying firm pressure directly over the wound with a clean handkerchief, cloth, or your hand. A tourniquet should be applied only in cases of amputation or other injury to a limb in which there is no other way to stop the bleeding. If a tourniquet is used, a record of the time it was applied must be kept. Once a tourniquet is applied, do not loosen or remove it.

Shock

Shock, or traumatic shock, usually accompanies severe injury and may be caused by injuries of all types. The signs of shock include pallor, cold and clammy skin, beads of perspiration on the forehead and palms, weakness, nausea or vomiting, shallow breathing, and a rapid pulse that may be too faint to be felt at the wrist. The following procedures should be followed:

1. Correct the cause if possible (e.g., control bleeding). Avoid moving the victim if neck or spine injuries are suspected.
2. The patient's position should be based on his injuries; if in doubt, keep the patient lying down until emergency medical aid arrives.
3. Keep the patient's airway open. If he or she is about to vomit, turn the head to one side.
4. Keep the patient warm so as to prevent chilling and loss of body heat.

Additional Illnesses and Injuries (General First Aid Guidelines)

After requesting emergency medical assistance, the following points should be addressed in specific emergencies:

1. Abdominal -pain - Keep the patient quiet. Give nothing by mouth.

2. Back and neck inquiries - Keep the patient quiet. Do not move the patient or lift the head unless absolutely necessary.

3. Chest pains - Keep the patient calm and quiet. Place the patient in the most comfortable position (usually half sitting)

4. Convulsion or epileptic seizure - Place the patient on the floor or a couch. Do not restrain the patient's movements except to prevent injury. Do not place a blunt object between the teeth, put any liquid in the mouth, slap the patient, or douse the patient with water

5. Electric shock - Throw the switch to turn off the current. Do not touch the victim until he/she is separated from the current source. Begin mouth-to-mouth resuscitation if respiration has ceased. Begin heart (cardiac) resuscitation if heart stops.

6. Fainting - Simple fainting can usually be treated by laying the person down.

7. Unexplained unconsciousness - Look for emergency medical identification around patient's neck or wrist, or in his/her wallet. Keep the patient warm, lying down, and quiet until he/she regains consciousness. Do not move the patient's head if there is bleeding from the nose, mouth, ear or eyes. Do not give the patient anything through the mouth. Keep the patient's airway open to aid breathing. Do not cramp the neck with a pillow.

Chemical Ingestion or Contamination

Material Safety Data Sheets (MSDS) will be maintained to assist in the treatment of injuries for all chemicals used on site such as pesticides, herbicides, cleaners and chemicals used in testing product to comply with customer or Department of Transportation specifications. **In all cases of chemical injuries, try to determine the chemical, review the MSDS information, and follow any specific instructions given therein.**

General Instructions: Ingestion of Chemicals

Seek medical assistance by calling a physician and the poison information center. These telephone numbers will be posted where chemicals are stored and used.

Dilute the chemical by having the victim drink a glass of water or milk if he is conscious and not having convulsions. Discontinue dilution if it make patient nauseated.

Save the label or container of the suspected chemical for identification. If the victim vomits, save sample of the vomited materials for analysis.

If the victim becomes unconscious, keep his airway open. Give artificial respiration or cardiopulmonary resuscitation (CPR) if necessary. Only administer CPR if you are trained to do so. **Call Emergency 911 as soon as possible.**

Chemicals Spilled on the Body

- Wash away the chemical with large amounts of water, using a safety shower or hose, as quickly as possible and for at least 5 minutes. Remove the victim's clothing from the areas involved. No time should be wasted because of modesty. The rescuer should take precautions so as to avoid contaminating himself.
- If first aid directions for burns caused by specific chemicals are available from the MSDS or from some other source, follow these directions after the initial flushing with water.
- Apply a dressing bandage and get medical aid.

Chemicals on the Skin in a Confined Area

Immediately flush with cool water and wash by using a mild detergent or soap (preferred) and water. If a delayed reaction (the physiological effects of some chemicals, e.g., methyl and ethyl bromides, may be delayed as much as 48 hours) is noted, obtain medical attention promptly and explain carefully what chemicals were involved. **Follow measures set out in the MSDS.**

EXTRICATION

In some types of accidents it may be impossible for the victim to free himself. In cases where the victim is trapped in a vehicle there may be a danger not only to the victim but also to the first aid rescuer. It is necessary for the first aid rescuer to get to the accident victim if it is safe to do so in order to provide life saving support until trained emergency rescue personnel arrive.

Accidents involving machinery - Victims pinned in or under machinery may suffer severe injuries and there may be traumatic shock. First aid should be administered promptly, and emergency rescue personnel should be called immediately.

The machinery should be stopped and the power cut off. If the equipment does not have automatic release capabilities, or it is not functional, the equipment may have to be dismantled. In such cases, the person administering first aid should attempt to control bleeding, treat shock, keep the victim's airway open, keep the victim as comfortable as possible, and be reassuring while waiting for trained emergency rescue personnel.

AVAILABLE EMERGENCY SERVICES

In the event of an emergency at the Global Tire Recycling plant, the following services are available:

APPENDIX A -1

DESIGNATED EMERGENCY COORDINATORS

Emergency Coordinators assume responsibility in the order listed below:

Primary Emergency Coordinator

Mark Bailey, V.P. Plant Operations	Work (352) 330-2213
Global Tire Recycling of Sumter County, Inc.	Cell (352) 303-4777
1201 Industrial Drive Wildwood, FL 34785	

Secondary Emergency Coordinator

Patricia Johns, Account Manager	Work (352) 330-2213
Global Tire Recycling of Sumter County, Inc.	Home (352) 793-8595
1201 Industrial Drive Wildwood, FL 34785	Cell (352) 457-5374

The Emergency Preparedness Manual for the facility will be maintained on site at the plant office under the supervision of Mark Bailey, primary emergency coordinator, and off-site at the residence of Patricia Johns, secondary emergency coordinator.

A scale house operator/attendant will be on duty at the plant site during normal business hours. This person will respond to all alarms during business hours and

will report any emergency or potential emergency situations to the designated emergency coordinators and to the proper emergency response agencies. After normal business hours, Global's security system monitoring company (Smart Watch, Inc.) will respond to all alarms and will report any emergency or potential emergency situations to the designated emergency coordinators and to the proper emergency agencies.

APPENDIX A-2

EMERGENCY RESPONSE AGENCIES AND CONTACTS

Agency/Organization

Emergency Number

FIRE:

Wildwood Fire Department ----- (352) 330-1342
EMERGENCY ----- 911

POLICE:

Wildwood Police Department ----- (352) 330-1355
EMERGENCY ----- 911

MEDICAL:

Wildwood Fire Rescue EMERGENCY-----911
Leesburg Regional Medical Ctr ----- (352) 748-2233
Poison Information Center -----(800) 222-1222

LOCAL EMERGENCY RESPONSE CONTACTS:

Sumter County Emergency Management ----- (352) 569-6000
EMERGENCY ----- 911

STATE EMERGENCY RESPONSE CONTACTS:

Fla. Dept. of Environmental Protection Central District ----- 407-897-4100

FEDERAL EMERGENCY RESPONSE CONTACTS:

Environmental Protection Agency National
Response Center ----- 800-424-8802

APPENDIX A-3

EMERGENCY SUPPLIES

Materials

Absorbents
Absorbent Pads
Drums
Barricades
Brooms

Equipment

Two Way Radios
Front End Loader
Shovels
Fire Extinguishers
First Aid Kits

Personal Protection Equipment

Impervious Overalls
Chemical Resistant Glove
Respirators & Cartridges
Hard Hats
Face Shields
Face Masks
Goggles