



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

NOTICE OF FINAL PERMITS

In the Matter of an
Application for Permit by:

Mr. Mark J. Bailey
Vice President, Plant Operations
Global Tire Recycling of Sumter County, Inc.
1201 Industrial Drive
Wildwood, Florida 34785

DEP File No. 1190028-005-AC and
1190028-006-AO
Sumter County

Dear Mr. Bailey:

Enclosed are Final Permit Numbers 1190028-005-AC and 1190028-006-AO. These permits (one document) authorize Global Tire Recycling of Sumter County, Inc. to operate a crumb rubber manufacturing facility and increase their maximum process production rate from 20,000 tons per any consecutive 12-month period to 26,280 tons per any consecutive 12-month period. This facility is located at 1201 Industrial Drive, Wildwood, Sumter County, Florida. These permits are issued pursuant to Section(s) 403.087, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Mara Grace Nasca

Mara Grace Nasca
District Air Program Administrator
Southwest District

MGN/DS
Enclosures

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permits (including the Final Permits (in one document)) was mailed by U.S. Mail before the close of business on 11-30-2007 to the person(s) listed:

Mr. Mark J. Bailey
Vice President, Plant Operations
Global Tire Recycling of Sumter County, Inc.
1201 Industrial Drive
Wildwood, Florida 34785

Mr. Rama Iyer, P.E.
Southern Environmental Sciences, Inc.
1204 North Wheeler Street
Plant City, Florida 33563

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Adriana Mitchell 11-30-2007
(Clerk) (Date)



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PERMITTEE:

Global Tire Recycling Of Sumter County, Inc.
1201 Industrial Drive
Wildwood, Florida 34785

Final Permit No.: 1190028-005-AC and
1190028-006-AO

County: Sumter

Effective Date: 11/30/2007

Expiration Date: 11/30/2012

Project: Crumb Rubber Manufacturing Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department, in accordance with the terms and conditions of this permit.

This permit is for the operation of a synthetic non-Title V crumb rubber manufacturing facility. This facility consists of (1) waste tire receiving, storage and staging areas, (2) a rotary shear type tire shredder, (3) two cracker mills in series with hooded air separator screens, (4) three fine grind mills in parallel with hooded air separator screens, (5) intermediate and final product storage bins, and (6) final product bagging and bulk loadout bins.

In this process, waste tires are passed through a shredder that reduces the tires to 2-4 inch chips. The chips are then passed through two cracker mills that further reduce the size of the chips and separates the fiber, metal tread and cord material from the rubber. The metal is removed with magnets and the fiber and other foreign material is removed on air aspirated screening tables and gravity tables. The separation process results in debris free rubber 1/8 to 3/8 inch in diameter. Oversized rubber is fed back into the cracker mills. Fine grinding mills then reduce the rubber to mesh-sized crumb rubber product. Each fine grind mill is followed by an air aspirated screening operation. Oversize material is feed back to the fine grind mills. The final product is then conveyed via a screw elevator to a loadout hopper for bagging or bulk shipment to customers.

Particulate matter emissions from the air aspirated screening processes are vented through a common baghouse (MAC Environmental, Model 144WMCF338) before being discharged to the atmosphere. Because of the enclosure of the process and the nature of the raw material and the product, there are no significant fugitive emissions associated with this process.

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FACILITY INFORMATION SUMMARY

Location: 1201 Industrial Drive, Sumter County
Facility UTM Coordinates: 17-397.53 East 3192.08 North
Latitude: 28° 51' 14" **Longitude:** 82° 03' 02"
Facility ID No.: 1190028

<u>E.U. ID No.</u>	<u>Description</u>
001	Crumb Rubber Milling

NOTE: Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.

Permit History

- Most recent operation permit 1190028-004-AO expired on 10/13/2004.

Attachments To This Permit

- General Conditions, version dated 11/1/2005

Title V Applicability

Facility emissions are based on information submitted by the applicant [including calculated potential (allowable) emissions], and the expected continued proper operation of the emission sources and associated emission controls. As a result, this facility is currently exempted from Title V permitting and is considered a synthetic non-Title V source based on particulate matter emissions.

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SPECIFIC CONDITIONS:

FACILITY-WIDE CONDITIONS

1. General Conditions – A part of this permit is the attached 15 General Conditions.
[Rule 62-4.160, F.A.C.]

2. Other Requirements – Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-213, 62-296, 62-297 and 62-4 or any other requirements under Federal, State, or Local law.
[Rule 62-210.300, F.A.C.]

Operational And Emission Limitations

3. Operational Hours – The facility is permitted to operate 8,760 hours per year (i.e., no restrictions on operating hours).
[Rule 62-210.200, Definitions-(PTE), F.A.C.; Construction Permit 1190028-003-AC]

4. Operational Limits – To limit particulate matter (PM) potential emissions, the facility shall not exceed the following limits:

Description	Maximum Operation Limit
Fine Grind Milling Process (Maximum Production Rate)	26,280 Tons per any consecutive 12-month period
Crumb Rubber Milling Process (Maximum Input Rate)	8.0 Tons per hour*

**Permitting Note: Hourly rate is for emissions testing only - permittee is not required to show compliance with rate during normal operation.*

[Rule 62-210.200, Definitions-(PTE), F.A.C.]

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5. Particulate Matter Emissions Limits. The baghouse is limited to the following maximum particulate matter emissions rate limit:

Description	Maximum PM Emission Rate (Pounds Per Hour)
Baghouse (EU-001) (Process input @ 8.0 tons/hour)	13.0*

** For lower process input rates, the emission rate limit shall be determined using the process weight table or equation contained in 62-296.320(4)(a)2. F.A.C.*

[Rule 62-296.320(4)(a)2., F.A.C.]

6. Visible Emission Limits - Due to the expense and complexity of conducting a stack test on a minor source of particulate matter, and because this source is equipped with a baghouse dust-control device, the Department, in accordance with the authority granted under Rule 62-297.620(4), F.A.C., hereby establishes a visible-emission limitation not to exceed an opacity of 5% in lieu of a particulate-matter stack test.

[Rules 62-297.620(4) and 62-296.320(4)(b)1., F.A.C; Construction Permit 1190028-001-AC]

7. Unconfined Particulate Matter - All reasonable precautions shall be taken to prevent and control generation of unconfined (fugitive) emissions of particulate matter in accordance with the provisions in Rule 62-296.320(4)(c), F.A.C. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions taken by the facility include the following:

- A. All roads at the facility are paved.
- B. The process is enclosed within a building.
- C. Each air separator screen is equipped with a hood connected to a central baghouse to control emissions.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit 1190028-001-AC and permit application received on 04/17/2007]

8. Objectionable Odor - No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is any odor present in the outdoor atmosphere that by itself or in combination with other odors is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.

[Rules 62-296.320(2) and 62-210.200, Definitions-(Objectionable Odors), F.A.C.]

9. Circumvention - No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.

[Rule 62-210.650, F.A.C.]

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10. Operating Changes / Modifications – Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change in, change in the method of operation or addition to a facility which would result in an increase in actual emissions of any air pollutant subject to regulation under the Act, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200, (Definitions of Modification) and 62-210.300(1)(a), F.A.C.]

Compliance Testing Requirements

11. Test Notification - The permittee shall notify the Air Compliance Section of the Department's Southwest District Office at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted.
[Rule 62-297.310(7)(a)9., F.A.C.]

12. Visible Test Frequency - The baghouse exhaust shall be tested for visible emissions (VE) annually between October 1 and September 30 (once per federal fiscal year). Within 45 days of testing, a copy of the test data must be filed with the Air Compliance Section of the Department's Southwest District Office.
[Rules 62-297.310(7) and 62-297.310(8), F.A.C.]

13. Visible Emission Test Method - Compliance with the visible emission limitation specified in Specific Condition No. 6 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Chapter 62-297, F.A.C. Visible emission (VE) compliance test(s) shall be conducted by a certified observer and be a minimum of 30 minutes in duration. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.
[Rule 62-297.310(4)(a)2., F.A.C.]

14. Operation Rate During Testing – Testing of the baghouse shall be conducted as follows:

- A. Compliance test shall be conducted while the crumb rubber milling process (the two in-series cracker mills) is operated between 90 and 100% of their permitted input capacity (Specific Condition No. 4.), if feasible. Permitted input capacity for the crumb rubber milling process is 8.0 tons/hour. Feed material must be processed through both the front half of the crumb rubber milling process (the two in-series cracker mills) and the back half of the process (the three in-parallel fine grinding mills) during the test.
- B. Compliance tests submitted for rates less than 90% of permitted capacities shall automatically amend the permit to reflect the tested rate plus 10% as the currently permitted rates. Once the unit is so limited, operation at a higher rate is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the authority to operate at the permitted capacities. *(Clarification: When a unit is limited to an operating rate of 110% of the test rate, the permittee may provide a 15-day notice of its intent to conduct an additional test. The notice may*

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specify a 15-day period during which the unit will be allowed to operate at a higher rate for the purposes of testing.)

- C. Test results shall be filed with the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Acceptance of the test by the Department will constitute an amended permit at the test capacities plus 10%, up to the permitted crumb rubber milling process capacities listed in Specific Condition No. 4.
- D. The actual crumb rubber milling process input rate for the test period shall be included in the test report for each test. Failure to submit the actual input rate for the test period and a copy of the daily log for the test day in the test report may invalidate the test and fail to provide reasonable assurance of compliance.

[Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

Recordkeeping And Reporting Requirements

15. Recordkeeping - To demonstrate compliance with the "Fine Grind Milling" production limits of Specific Condition No. 4, the permittee shall maintain the following monthly records:

- A. Facility Name, Facility ID (1190028), Emission Unit ID (001), Month and Year.
- B. The total "Fine Grind Milling" production * (in tons) for the month.
- C. The total "Fine Grind Milling" production * (in tons) for the most recent consecutive 12-month period.

** Note: The total "Fine Grind Milling" production is the sum of the production for the three in-parallel fine grinding mills.*

[Rule 62-4.070(3), F.A.C.]

18. Records Retention – All monthly records shall be completed by the 15th day of the following month. All records required by this permit shall be maintained at the facility for at least three years, unless otherwise noted, and be made available to the Department for inspection upon request.

[Rule 62-4.160(14)(b), F.A.C.]

Annual Operating Report (AOR)

19. Annual Operating Report (AOR) – Submit to the Air Compliance Section of the Department's Southwest District Office each calendar year and on or before March 1, an annual operating report [DEP Form 62-210.900(5)] for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be submitted.

[Rules 62-4.070(3) and 62-210.370(3), F.A.C.]

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Operation Permit Application

20. Permit Renewal Application – A completed application to renew this operation permit shall be submitted to the Air Permitting Section of the Department's Southwest District Office no later than 60 days prior to the expiration date of this permit. To properly apply for an operation permit renewal, the applicant shall submit the following:

- A. The appropriate operation permit application form (see current version of Rule 62-210.900, F.A.C. and /or FDEP Division of Air Resource management website at: <http://www.dep.state.fl.us/air/>);
- B. The appropriate operation permit application fee (see Rule 62-4.050(4)(a), F.A.C.);
- C. Copies of the records specified in Specific Condition No. 15 for the most recent 2 months of operation; and
- D. A copy of the most recent visible emission test report for the baghouse at the facility (Specific Condition No. 12)

[Rules 62-4.070(3), 62-4.090, 62-210.300(2) and 62-210.900 F.A.C.]

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mara Grace Nasca
District Air Program Administrator
Southwest District

ATTACHMENT – GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. Not applicable to Air Permits.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

ATTACHMENT – GENERAL CONDITIONS

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules:

11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

16. Not applicable to Air Permits.

17. Not applicable to Air Permits.