



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

## NOTICE OF PERMIT ISSUANCE

In the Matter of an  
Application for Permit by:

DEP File No.: 1190030-002-AC  
County: Sumter

Mr. Reese Sumrall, Jr.,  
Technical Manager  
Charlotte Pipe and Foundry Company, Plastics Division  
4210 Old Charlotte Hwy  
Monroe, NC 28110

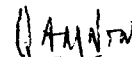
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Enclosed is Permit Number 1190030-002-AC authorizing the construction of a polyvinyl chloride pipe extruding operation and to increase the production throughput rate at the facility located at 4149 CR 124A, Wildwood, Sumter County, Florida, issued pursuant to Section 403.087, Florida Statutes (F.S.).

Any party to the Order (permit) has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of 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, Douglas Building, Mail Station 35, 3900 Commonwealth Boulevard, 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 of Appeal must be filed within 30 days after this Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

Sincerely,

  
Quaid M. Noor  
Air Permitting Engineer  
Southwest District

QNI  
Enclosure

cc: James Young, Plant Manager, Charlotte Pipe and Foundry Company  
Edward C. Fiss, Jr., P.E., Aware Environmental® Inc  
James Neubauer, Scientist, Aware Environmental® Inc.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were sent by regular mail before the close of business on JUL 25 2003 to the addressee and the listed persons, unless otherwise noted.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT FILED,  
on this date, pursuant to Section  
120.52(7), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby acknowledged.

  
(Clerk)

JUL 25 2003  
(Date)



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# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

**PERMITTEE:**

Charlotte Pipe and Foundry Company  
4210 Old Charlotte Hwy.  
Monroe, NC 28110

**Permit No.:** 1190030-002-AC

**County:** Sumter

**Effective Date:** 7/25/2003

**Expiration Date:** 6/30/2004

**Project:** Pipe Extrusion Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-204, 62-210, 62-212, 62-213, 62-296, 62-297 & Chapter 62-4. 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 Florida Department of Environmental Protection:

This permit authorizes the construction of a polyvinyl chloride (PVC) pipe extruding operation and to increase the production throughput rate of the existing operation from 33,750 tons/year to 40,000 tons/year. The pipe extruding operation consists of vacuum railcar unloaders with a central PVC railcar filter receiver, pneumatic conveyors, 6 PVC storage silos (each with a baghouse), 9 hopper receivers feeding 9 extruders, scrap grinder, pulverizer receiver, pulverized material hopper receiver, 3 Day Bins, 2 Blenders with 4 receivers, compounder resin scale hopper, compounder microingredient receiver, compounder calcium carbonate receiver, microingredient units, compounder hot mixer and compound cooler. Powdered polymer is vacuum unloaded to a filter receiver and then moved to storage silos via pressurized pneumatic conveyor pipes. Stored material is moved by vacuum to each extruder feed hopper, where pipe is extruded. Off-specification pipe is ground, dumped into hoppers, and sent to recycled material silos for use as raw material. Particulate emissions from emission points are controlled by baghouses with a minimum collection efficiency of 99%.

The air emission sources at this facility are as described below:

**Permitted Emission Units**

Emission Unit ID No. 001 – Railcar unloading central receiver for PVC (1)

Emission Unit ID No. 002 – PVC Storage Silos (6)

Emission Unit ID No. 004 – 9 hopper receivers feeding 9 extruders

Emission Unit ID No. 005 – Scrap grinder, pulverizer receivers, day bins and blender receivers

Emission Unit ID No. 006 – Compounder resin scale hopper, microingredient receiver, calcium carbonate receiver, compounder hot mixer and cooler.

**Permittee:**  
Charlotte Pipe and Foundry Company

**Permit No.:** 1190030-002-AC  
**Project:** Pipe Extrusion Facility

Emission sources with emission points and control devices under each emission unit are provided in the table below:

FACILITY EMISSION SOURCE INFORMATION				
Emission Unit ID #	Emission Source ID #	Emission Source Description	Control Device	Emission Point ID #
001	ES-01	PVC Railcar Unloading	Cartridge Filter	EP-01
002	ES-02	PVC Storage Silo 2	Cartridge Filter	EP-02
002	ES-03	PVC Storage Silo 3	Cartridge Filter	EP-03
002	ES-04	PVC Storage Silo 4	Cartridge Filter	EP-04
002	ES-05	PVC Storage Silo 5	Cartridge Filter	EP-05
002	ES-06	PVC Storage Silo 6	Cartridge Filter	EP-06
002	ES-07	PVC Resin Storage Silo 7	Cartridge Filter	EP-07
004	ES-16	Extruder Hopper Receiver 1A	Bagfilter	EP-10
004	ES-17	Extruder Hopper Receiver 1B	Bagfilter	EP-10
004	ES-18	Extruder Hopper Receiver 2A	Cartridge Filter	EP-11
004	ES-19	Extruder Hopper Receiver 2B	Cartridge Filter	EP-11
004	ES-20	Extruder Hopper Receiver 3A	Cartridge Filter	EP-12
004	ES-21	Extruder Hopper Receiver 3B	Cartridge Filter	EP-12
004	ES-22	Extruder Hopper Receiver 4	Cartridge Filter	EP-13
004	ES-23	Extruder Hopper Receiver 5	Cartridge Filter	EP-14
004	ES-24	Extruder Hopper Receiver 6	Cartridge Filter	EP-15
005	ES-25	Scrap Grinder Receiver		EP-16
005	ES-26	Pulverizer Receiver	Cartridge Filter	EP-17
005	ES-27	Pulverized Material Hopper Receiver	Cartridge Filter	EP-18
005	ES-28	Day Bin 1	Cartridge Filter	EP-17
005	ES-29	Day Bin 2	Cartridge Filter	EP-19
005	ES-30	Day Bin 3	Cartridge Filter	EP-20
005	ES-31	Blender 1 Virgin Receiver	Cartridge Filter	EP-21
005	ES-32	Blender 1 Pulverized Receiver	Cartridge Filter	EP-21
005	ES-33	Blender 2 Virgin Receiver	Cartridge Filter	EP-22
005	ES-34	Blender 2 Pulverized Receiver	Cartridge Filter	EP-22
006	ES-08	Compounder Resin Scale Hopper	Cartridge Filter	EP-08
006	ES-09	Compounder Microingredient Receiver	Cartridge Filter	EP-09
006	ES-10	Compounder CaCO <sub>3</sub> Receiver	Cartridge Filter	EP-09
006	ES-11	Microingredient Units (7 units)	Cartridge Filter	EP-08
006	ES-12	Compounder Hot Mixer	Cartridge Filter	EP-08
006	ES-13	Double Batch Hopper	Cartridge Filter	EP-08
006	ES-14	Compounder Cooler	Cartridge Filter	EP-08
006	ES-15	Takeaway Hopper	Cartridge Filter	EP-08

**Permittee:**  
Charlotte Pipe and Foundry Company

**Permit No.:** 1190030-002-AC  
**Project:** Pipe Extrusion Facility

**Rule Applicability Notes**

The pipe extrusion facility is subjected to General Visible Emission Standard as specified in Rule 62-296.320(4)(b)1., F.A.C.

**Facility Information Summary**

**Location:** County Road 124A, Wildwood, Sumter County

**UTM Coordinates:** Zone 17-399.0 East                      3197.0 North

**Latitude:** 28.898 North                                      **Longitude:** 82.046 West

**Facility No.:** 1190030

**Emissions Unit (EU) ID Nos. and Descriptions:**

- 001 – Railcar unloading central receiver for PVC (1)
- 002 – PVC Storage Silos (6)
- 004 – 9 hopper receivers feeding 9 extruders
- 005 – Scrap grinder, pulverizer receivers, day bins and blender receivers
- 006 – Compounder resin scale hopper, microingredient receiver, calcium carbonate receiver, compounder hot mixer and cooler.

***NOTE:*** Please reference Permit No. and Emissions Unit ID in all correspondence, test report submittals, applications, etc.

**Permit History**

Replaces Permit No. 1190030-001-AC

**Specific 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 Chapters 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.]

**Permittee:**  
Charlotte Pipe and Foundry Company

**Permit No.:** 1190030-002-AC  
**Project:** Pipe Extrusion Facility

Operation and Emission Limitations

3. Operating Hours - This facility is allowed to operate a maximum of 8,760 hours per year.  
[Construction Permit No. 1190030-001-AC]

4. Objectionable Odor - The permittee shall not 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 which 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(181), F.A.C.]

5. Unconfined Emissions of Particulate Matter - All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. 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 precaution to be taken include the following:

- A. Paved parking and trafficked areas shall be maintained and kept free of particulate matter build-up.
- B. Sprinkling with water shall be used as necessary on paved and unpaved areas.

[Rules 62-296.320(4)(c), and 62-4.070(3) F.A.C.]

6. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate, all sources of unconfined particulate matter visible emissions at the facility's property line shall not exceed 5% opacity. Exceedance of this limit shall not be considered a violation in and of itself, but may be a violation of the precautions specified in Specific Condition No. 5.  
[Rule 62-4.070(3), F.A.C.]

7. Production Rate - The production rate of PVC material from this facility shall not exceed 12.5 tons/hour (daily average production basis) and 40,000 tons in any consecutive 12-month period.  
[Construction Permit No. 1190030-001-AC and Construction Permit Application dated November 12, 2002]

8. General Visible Emission (VE) Limit - Visible Emissions (VE) from this facility shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b)(1), F.A.C.]

**Permittee:**  
Charlotte Pipe and Foundry Company

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**Project:** Pipe Extrusion Facility

9. Circumvention – No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable control device operating properly. As an indicator that the baghouses are functioning properly, visible emissions from each baghouse shall not exceed 5% opacity. If this value is exceeded it will not be considered a violation in and of itself, but may indicate that additional control methods or procedures are necessary.

[Rule 62-210.650, and 62-4.070(3), F.A.C.]

#### Compliance Testing Requirements

10. Visible Emission Test Frequency – Test each emission source of the facility for visible emissions within 60 days after receipt of this construction permit. Submit the test reports along with applications for operation of the facility within 45 days of completion of such tests.

[Rule 62-297.310(7)(a), F.A.C.]

11. Visible Emission (VE) Test Methods - Compliance with the visible emission limitation of Specific Condition No. 8 shall be determined using Method 9 as contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297.401, F.A.C. Each test shall be conducted by a certified observer and be a minimum of 30 minutes in duration.

[Rules 297.310(4)(a) and 62-297.310(7)(a), F.A.C.]

12. Testing Notification - The permittee shall notify the Southwest District Office of the Department 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.]

13. Testing Rate - Testing of emissions must be conducted within 90-100% of the maximum permitted material production rate (12.5 tons per hour). A compliance test submitted at a rate less than 90% of the maximum permitted rate will automatically constitute an amended permit rate at that lesser rate plus 10%. Within 30 days of that lower amended permitted material production rate being exceeded by more than 10%, a new compliance test shall be conducted at the higher rate. The test results shall be submitted to the Southwest District Office of the Department within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher tested rate plus 10%, but in no case shall the maximum permitted material production rate be exceeded.

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

14. Special Compliance Tests - When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7)(b), F.A.C.]

**Permittee:**  
Charlotte Pipe and Foundry Company

**Permit No.:** 1190030-002-AC  
**Project:** Pipe Extrusion Facility

**Reporting and Recordkeeping**

15. Operating Record – In order to document continued compliance with the Specific Condition No. 7, the facility shall maintain the following:

**Daily – Record the following:**

- A. Tons of PVC pipe produced
- B. Hours of the plant production
- C. Daily average PVC pipe production in tons/hour

**Monthly – Record the most recent consecutive 12-month total of the following:**

- A. Tons of PVC pipe produced, tons per consecutive 12 month period..  
[Rule 62-4.070(3), F.A.C.]

16. Record Retention – All records required by this permit shall be maintained at the facility for at least 3 years and made available to the Department upon request.  
[Rule 62-4.070(3), F.A.C.]

**Operation Permit**

17. Operation Permit Application – Two applications to obtain an operation permit shall be submitted to the Air Permitting Section of the Southwest District of the Department within 45 days of conducting the compliance test along with the compliance test results as per Specific Condition No. 10 of this permit. To apply properly, the applicant shall submit the following:

- A. the appropriate Department application form (see Rules 62-210.900, F.A.C. (Forms and Instructions));
- B. the appropriate operation permit application fee;
- C. a copy of the visible emission test report of all the baghouses in the facility (specific condition no. 10.); and,
- D. a copy of the operation record of the most recent month (specific condition no. 15.)

[Rules 62-4.070(3), 62-4.090, and 62-297.310(7)(a), F.A.C.]

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



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Gerald J. Kissel, P.E.  
District Air Program Administrator  
Southwest District

GJK\qn



## 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;

GENERAL CONDITIONS:

- 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.

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.

GENERAL CONDITIONS:

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.