



# Florida Department of Environmental Protection

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

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

## FINAL PERMIT

### PERMITTEE

Charlotte Pipe & Foundry Company  
Plastics Division  
4210 Old Monroe Highway  
Monroe, North Carolina 28110

Authorized Representative:  
Mr. C. Leon Salter, Jr., Senior Vice President

Air Permit No. 1190030-012-AF  
Permit Expires: 3/2/2017  
Site Name : Charlotte Pipe & Foundry  
Federally Enforceable State Operating  
Permit (FESOP)  
Project Name: Operation Permit Renewal

This is the final air operation permit which renews FESOP No. 1190030-011-AF for a polyvinyl chloride (PVC) and chlorinated polyvinyl chloride (CPVC) pipe extruding operation. The work is conducted at the Charlotte Pipe and Foundry Company Plastic Divisions's Wildwood, Florida facility (Standard Industrial Classification No. 3084). The facility is located in Sumter County at 4149 CR 124A, Wildwood, Florida. The UTM coordinates are Zone 17, 399.25 km East, and 3196.88 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition

within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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

Robert C. Wong 3/2/2012  
Robert C. Wong Effective Date  
District Air Program Administrator  
Southwest District

### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 3/2/2012 to the persons listed below.

Mr. C. Leon Salter, Jr, Charlotte Pipe & Foundry Company ([lsalter@charlottepipe.com](mailto:lsalter@charlottepipe.com))  
Ms. Jennifer Garvon, P.E., Aware Environmental Company ([jennifer\\_garvon@awareenvironmental.com](mailto:jennifer_garvon@awareenvironmental.com))  
Mr. James Neubauer, Charlotte Pipe & Foundry Company ([jneubauer@charlottepipe.com](mailto:jneubauer@charlottepipe.com))  
Mr. James Young, Charlotte Pipe & Foundry Company ([jyoung@charlottepipe.com](mailto:jyoung@charlottepipe.com))

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Carol S. Moore 3/2/2012  
(Clerk) (Date)

## SECTION 1. GENERAL INFORMATION (FINAL)

### FACILITY AND PROJECT DESCRIPTION

#### Existing Facility

The existing facility carries out the polyvinyl chloride (PVC) and chlorinated polyvinyl chloride (CPVC) pipe extruding operation with a total maximum production throughput rate of 70,000 tons/year [60,000 tons of PVC and 10,000 tons of CPVC]. The facility's pipe extruding operations consists of vacuum railcar unloaders with a central PVC railcar filter receiver, one (1) CPVC vacuum railcar unloading system, pneumatic conveyors, six (6) PVC storage silos (each with a cartridge filter), one (1) CPVC storage silo (with a cartridge filter), eleven (11) PVC hopper receivers feeding eleven (11) PVC extruders, two (2) scrap grinders [one (1) PVC and one (1) CPVC], pulverizer receiver, pulverized material hopper receiver, three (3) Day Bins, two (2) Blenders with four (4) receivers, two (2) CPVC extruder hopper receiver, two (2) CPVC extruders, compounder resin scale hopper, compounder microingredient receiver, compounder calcium carbonate receiver, microingredient units, compounder hot mixer and compounder cooler. The facility's Inkjet printing operation consists of up to twenty three (23) Imaje - Model JAIME 100S8 inkjet printer or equivalent thereof. The printers are used to print bar codes and specification information on manufactured PVC and CPVC pipe. This process and related activities can result in uncontrolled emissions of hazardous air pollutants (HAPs) and/or volatile organic compounds (VOCs).

*Note: The facility is currently using eighteen (18) Imaje inkjet printers.*

The existing facility consists of the following emissions units.

Facility ID No. 1190030	
ID No.	Emission Unit Description
002	PVC Storage Silos (6)
007	CPVC Storage Silo (1)
009	Inkjet Printing

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

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/CPVC 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

# SECTION 1. GENERAL INFORMATION (FINAL)

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
004*	ES-35	Extruder Hopper Receiver 7	Bagfilter	EP-23
004*	ES-40	Extruder Hopper Receiver 10	Bagfilter	EP-28
005*	ES-25	Scrap Grinder Receiver	Bagfilter	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
005*	ES-38	CPVC Scrap Grinder Receiver	Polyester Filter	EP-26
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 CaCO3 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
007	ES-36	CPVC Storage Silo	Cartridge Filter	EP-24
008*	ES-37	CPVC Extruder and Hopper Receiver 8	Bagfilter	EP-25
008*	ES-39	CPVC Extruder and Hopper Receiver 9	Bagfilter	EP-27
009	F-01	23 Inkjet Printers	Uncontrolled	F-01

## SECTION 1. GENERAL INFORMATION (FINAL)

\*In accordance with Rule 62-210.300(3)(b)1., F.A.C., these emission units are covered under exempt emission units/activities as shown below.

### Exempt Emissions Units/Activities

The following pollutant-emitting activities are exempt from air permitting in accordance with Rule 62-210.300(3)(b)1., F.A.C. (Generic Emissions Unit or Activity Exemption):

Emission Unit ID No. 001	Railcar unloading central filter receiver for PVC (1).
Emission Unit ID No. 004	Eleven (11) PVC hopper receivers feeding eleven (11) PVC extruders.
Emission Unit ID No. 005	Two (2) scrap grinders [one (1) PVC and one (1) CPVC], pulverizer receivers, day bin and blender receivers.
Emission Unit ID No. 006	Compounder resin scale hopper, microingredient receiver, calcium carbonate receiver, compounder hot mixer and cooler.
Emission Unit ID No. 008	Two (2) CPVC hopper receivers and two (2) CPVC extruders.

**Permitting Note:** Emissions from E.U. Nos. 001, 004, 005, 006 and 008 vent indoors.}

Grainger portable sandblaster model 6ZA38 with a hopper capacity of 80 pounds. The sandblaster will require an 80 psi air supply and will have a flow of 9 cfm when using a 3/32 inch nozzle or 11 cfm when using a 7/64 inch nozzle. The sandblaster will only be operated inside a facility building and inside an enclosure.

### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a synthetic non-Title V source for the pollutants volatile organic compound (VOC) and hazardous air pollutants (HAPs).

### PERMIT HISTORY/AFFECTED PERMITS

This operation permit renewal replaces Operation Permit No. 1190030-011-AF.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

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1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District's Air Resource Management Section. The Southwest District's mailing address and phone number is:

Florida Department of Environmental Protection  
Southwest District Office  
Air Resource Management Section  
13051 North Telecom Parkway  
Temple Terrace, Florida 33637-0926  
Telephone: 813-632-7600

All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions; and
  - d. Appendix D. Common Testing Requirements.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. General Pollutant Emissions Limiting Standards: Unconfined Emissions of Particulate Matter (PM): In addition to complying with the Appendix C, Condition No. 9 (attached), the facility shall comply with, but not limited to the following:

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 precautions shall include, but are not limited to 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.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

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[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.; Construction Permit No. 1190030-010-AC]

7. Fugitive Emissions Opacity Standard - In order to provide reasonable assurance that the precautions and practices taken at the facility are adequate; emissions of unconfined particulate matter from all sources of unconfined particulate matter should not exceed 5% opacity. If the 5% opacity (indicator value) is exceeded, it will not be a violation in and of itself, but an indication that additional control precautions and/or practices beyond those outlined in Condition No. 6 may be necessary.  
[Rule 62-4.070(3), F.A.C. and Construction Permit No. 1190030-010-AC]
8. 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 or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.  
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]
9. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) 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 sent to the Compliance Authority.  
[Rule 62-210.370(3), F.A.C.]
10. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:
  - a. the appropriate permit application form (see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>);
  - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;
  - c. copies of the most recent compliance test reports required by Specific Condition No. A.7., if not previously submitted;
  - d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.8., B.3., and C.3.

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]



### SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

#### A. E.U. No. 002 - PVC Storage Silos (6); E.U. No. 007 - CPVC Storage Silo (1)

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
002, 007	<p>The facility's pipe extruding operation includes, but not limited to six (6) PVC storage silos (each with a cartridge filter) and one (1) CPVC Storage Silo (with a cartridge filter). Particulate matter (PM) emissions from the emission units are controlled by either bag filters, cartridge filters, or polyester filters each with a minimum collection efficiency of 99%.</p> <p>The following exempt activities are associated with the pipe extruding operation. Vacuum railcar unloaders with a central PVC railcar filter receiver and one (1) CPVC vacuum railcar unloader are used for unloading materials from the railcars to respective material silos. Powdered polymer is vacuum-unloaded from railcar to filter receivers and then moved to the regulated 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.</p>

#### PERFORMANCE RESTRICTIONS

- A.1. Silo Loading Rate - The storage silo loading rates shall not exceed the values below, based on a daily average:

Emission Unit ID Number	Emission Source Description	Maximum Unit Loading Rate (lbs./hr.)
002	PVC Storage Silo 2	16,000
002	PVC Storage Silo 3	13,000
002	PVC Storage Silo 4	15,000
002	PVC Storage Silo 5	15,000
002	PVC Storage Silo 6	13,000
002	PVC Resin Storage Silo 7	15,000
007	CPVC Storage Silo (1)	3,500

[FESOP No. 1190030-011-AF; Correspondence from R. Sumrall dated 1/2/2007]

#### EMISSIONS STANDARDS

- A.2. General Visible Emissions (VE) Standard: Visible Emissions from these emission units shall not be equal to or greater than 20% opacity.  
[Rule 62-296.320(4)(b)(1), F.A.C.]

#### TESTING REQUIREMENTS

- A.3. Visible Emissions (VE) Tests: Test emissions from the six (6) PVC storage silos (E.U. No. 002, Emission Point Nos. EP 02 - EP 07), and the CPVC storage silo (E.U. No. 007, Emission Point No. EP 24) during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>), to demonstrate compliance with the emissions standards for pollutants.  
[Rule 62-297.310, F.A.C.]

### SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

#### A. E.U. No. 002 – PVC Storage Silos (6); E.U. No. 007 – CPVC Storage Silo (1)

- A.4. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.  
[Rule 62-297.310, F.A.C.]
- A.5. Test Method(s): Required tests shall be performed in accordance with the following reference method.

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources.

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

#### NOTIFICATION REQUIREMENTS

- A.6. Test Notification: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.  
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]  
{*Permitting Note: The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.*}

#### RECORDS AND REPORTS

- A.7. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.  
[Rule 62-297.310(8), F.A.C.]

- A.8. Daily Log:

After the effective date of this permit, if a silo is tested at less than 90% of its associated maximum loading rate, record the following for that silo; until such time as the most recent silo test, that demonstrates compliance, is performed at 90–100% of its associated maximum silo loading rate:

- Tons of materials loaded into silo.
- Hours of silo loading.
- Daily average silo loading in pounds/hour.

[Rule 62-4.070(3), F.A.C.; FESOP No. 1190030-011-AF]

### SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

#### B. E.U. No. 009 - Inkjet Printers

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
009	The facility's Inkjet printing operation consists of up to twenty three (23) Imaje - Model JAIME 100S8 inkjet printer or equivalent thereof. The printers are used to print bar codes and specification information on manufactured PVC and CPVC pipe. This process and related activities can result in uncontrolled emissions of hazardous air pollutants (HAPs) and/or volatile organic compounds (VOCs).

#### EMISSIONS STANDARDS

- B.1. VOC/HAP Emission Limits - To establish the facility as a Synthetic Minor Non-Title V Source of volatile organic compound (VOC) and hazardous air pollutant (HAP)(as defined in Rule 62-210.200, FAC) emissions, the following emissions limits shall apply:
- Total VOC emissions shall not exceed 15.0 tons in any consecutive, 12-month period.
  - Total HAP emissions shall not exceed 15.0 tons in any consecutive, 12-month period.
  - Individual HAP emissions shall not exceed 9.9 tons in any consecutive, 12-month period.

[Rule 62-210.200, F.A.C., Definitions - (PTE); Construction Permit No. 1190030-010-AC]

- B.2. General Pollutant Emission Limiting Standards: Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions . In addition to complying with the Appendix C, Condition No. 6 (attached), the facility shall comply with, but not limited to the following:

- Equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such manner as to minimize leaks, fugitive emissions & spills of solvent materials.
- All VOC/OS from washings (equipment clean-up) shall be directed into containers that prevent evaporation into the atmosphere.
- Tightly cover or close all VOC containers when they are not in use.
- Prevent excessive air turbulence across exposed VOCs.
- Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.

[Rule 62-296.320(1)(a), F.A.C.; Construction Permit No. 1190030-010-AC]

#### RECORDKEEPING REQUIREMENTS

- B.3. Monthly - Record the most recent consecutive 12-month total of the following:
- The total quantity (in gallons) of each VOC and/or HAP containing material used in the inkjet printing process and the PVC/CPVC pipe production process for the month;
  - The calculated (based upon material VOC and/or HAP content) monthly total VOC, individual HAP and total HAP (in pounds or tons per month based on a. above)

### SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

#### B. E.U. No. 009 - Inkjet Printers

emission rates; and,

- c. The cumulative total (in tons/year) VOC, individual HAP and total HAP emission rates for the most recent consecutive twelve (12) month period.

[Rule 62-4.070(3), F.A.C.; FESOP No. 1190030-011-AF]

*{Note – If the cumulative previous 12-month total of any individual HAP emission is greater than 9.0 tons, the permittee shall implement daily recordkeeping for only that individual HAP. The daily record shall contain the emissions, in tons, for each day. The total daily values for the month shall then be added to the previous 11-month period total emissions for the associated individual HAP. The daily recordkeeping shall remain in effect until the previous 12-month period total for that individual HAP is less than 9.0 tons.}*

- B.4. Documentation – Records of all calculations and supporting documentation (MSDS sheets, “As Supplied” sheets, “As Applied” sheets, purchase orders, inventory records, production records, etc.) for the VOC/HAP records required by Specific Condition No. B.3., which shall include sufficient information to determine VOC and HAP emissions, shall also be kept. At the permittee’s option, “quantity purchased” may be reported to satisfy the requirement of “quantity used” provided all materials used are purchased except when daily recordkeeping is required.

[FESOP No. 1190030-011-AF]

### SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

#### C. E.U. Nos. 002, 007 and 009 – Common Conditions

#### PERFORMANCE RESTRICTIONS

##### C.1. Permitted Capacity -

Production Rate - The production rate of PVC or CPVC pipe extruding operation shall not exceed 12.5 tons/hour each on a daily average production basis (where "daily average production" is the total tons produced daily divided by the actual hours of operation). The facility's total maximum production rate of PVC and CPVC material shall not exceed 70,000 tons [60,000 tons of PVC and 10,000 tons of CPVC] in any consecutive twelve (12) month period.

[FESOP No. 1190030-011-AF; Correspondence from R. Sumrall dated 1/2/2007]

##### C.2. Operating Hours - The hours of operation are not limited (i.e., permitted for 8760 hours per year).

[Construction Permit No. 1190030-010-AC]

##### C.3. VOC/HAP Records - In order to document compliance with the Specific Condition No. C.1., the facility, at a minimum, shall maintain the following:

Daily - Record the following, to determine production rate:

- a. Tons of PVC pipe produced.
- b. Tons of CPVC pipe produced.
- c. Hours of PVC pipe production.
- d. Hours of CPVC pipe production.
- e. Daily average of PVC pipe production in tons/hour.
- f. Daily average of CPVC pipe production in tons/hour.

[Rule 62-4.070(3), F.A.C.; FESOP No. 1190030-011-AF]

*{Note: Daily average production = (tons of pipe produced) / (actual hours of pipe production)}*

##### C.4. Records Retention: Daily records shall be completed within three (3) business days if applicable, and monthly records shall be completed by the 10<sup>th</sup> day of the following month. The logs shall be retained on file at this facility for at least three years, and be made available to the Department upon request.

[Rule 62-4.070(3), F.A.C.; FESOP No. 1190030-011-AF]

## **SECTION 4. APPENDICES**

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## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

#### CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

##### Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: “AC” identifies the permit as an Air Construction Permit

“AO” identifies the permit as an Air Operation Permit

“123456” identifies the specific permit project number

##### New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: “099” represents the specific county ID number in which the project is located

“2222” represents the specific facility ID number for that county

“001” identifies the specific permit project number

“AC” identifies the permit as an air construction permit

“AF” identifies the permit as a minor source federally enforceable state operation permit

“AO” identifies the permit as a minor source air operation permit

“AV” identifies the permit as a major Title V air operation permit

##### PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: “PSD” means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality

“FL” means that the permit was issued by the State of Florida

“317” identifies the specific permit project number

##### Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

##### Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

#### GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (DEP database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

## SECTION 4. APPENDIX A

### Citation Formats and Glossary of Common Terms

<b>CFR:</b> Code of Federal Regulations	<b>NESHAP:</b> National Emissions Standards for Hazardous Air Pollutants
<b>CAA:</b> Clean Air Act	<b>NO<sub>x</sub>:</b> nitrogen oxides
<b>CMS:</b> continuous monitoring system	<b>NSPS:</b> New Source Performance Standards
<b>CO:</b> carbon monoxide	<b>O&amp;M:</b> operation and maintenance
<b>CO<sub>2</sub>:</b> carbon dioxide	<b>O<sub>2</sub>:</b> oxygen
<b>COMS:</b> continuous opacity monitoring system	<b>Pb:</b> lead
<b>DARM:</b> Division of Air Resource Management	<b>PM:</b> particulate matter
<b>DEP:</b> Department of Environmental Protection	<b>PM<sub>10</sub>:</b> particulate matter with a mean aerodynamic diameter of 10 microns or less
<b>Department:</b> Department of Environmental Protection	<b>ppm:</b> parts per million
<b>dscf:</b> dry standard cubic feet	<b>ppmv:</b> parts per million by volume
<b>dscfm:</b> dry standard cubic feet per minute	<b>ppmvd:</b> parts per million by volume, dry basis
<b>EPA:</b> Environmental Protection Agency	<b>QA:</b> quality assurance
<b>ESP:</b> electrostatic precipitator (control system for reducing particulate matter)	<b>QC:</b> quality control
<b>EU:</b> emissions unit	<b>PSD:</b> prevention of significant deterioration
<b>F.A.C.:</b> Florida Administrative Code	<b>psi:</b> pounds per square inch
<b>F.A.W.:</b> Florida Administrative Weekly	<b>PTE:</b> potential to emit
<b>F.D.:</b> forced draft	<b>RACT:</b> reasonably available control technology
<b>F.S.:</b> Florida Statutes	<b>RATA:</b> relative accuracy test audit
<b>FGD:</b> flue gas desulfurization	<b>RBLC:</b> EPA's RACT/BACT/LAER Clearinghouse
<b>FGR:</b> flue gas recirculation	<b>SAM:</b> sulfuric acid mist
<b>Fl:</b> fluoride	<b>scf:</b> standard cubic feet
<b>ft<sup>2</sup>:</b> square feet	<b>scfm:</b> standard cubic feet per minute
<b>ft<sup>3</sup>:</b> cubic feet	<b>SIC:</b> standard industrial classification code
<b>gpm:</b> gallons per minute	<b>SIP:</b> State Implementation Plan
<b>gr:</b> grains	<b>SNCR:</b> selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
<b>HAP:</b> hazardous air pollutant	<b>SO<sub>2</sub>:</b> sulfur dioxide
<b>Hg:</b> mercury	<b>TPD:</b> tons/day
<b>I.D.:</b> induced draft	<b>TPH:</b> tons per hour
<b>ID:</b> identification	<b>TPY:</b> tons per year
<b>kPa:</b> kilopascals	<b>TRS:</b> total reduced sulfur
<b>lb:</b> pound	<b>UTM:</b> Universal Transverse Mercator coordinate system
<b>MACT:</b> maximum achievable technology	<b>VE:</b> visible emissions
<b>MMBtu:</b> million British thermal units	<b>VOC:</b> volatile organic compounds
<b>MSDS:</b> material safety data sheets	
<b>MW:</b> megawatt	



## SECTION 4. APPENDIX B

### General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

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, 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 403.987(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. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
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, as 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 reasonably 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 Sections 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.

## SECTION 4. APPENDIX B

### General Conditions

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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rules 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:
  - a. Determination of Best Available Control Technology (not applicable);
  - b. Determination of Prevention of Significant Deterioration (not applicable); and
  - c. Compliance with New Source Performance Standards (not applicable).
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:
    - (a) The date, exact place, and time of sampling or measurements;
    - (b) The person responsible for performing the sampling or measurements;
    - (c) The dates analyses were performed;
    - (d) The person responsible for performing the analyses;
    - (e) The analytical techniques or methods used;
    - (f) 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.

## SECTION 4. APPENDIX C

### Common Conditions

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the facility.

#### EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall immediately notify each Compliance Authority. "Immediately" shall mean the same day, if during a workday (i.e., 8:00 a.m. - 5:00 p.m.), or the first business day after the incident, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210.700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]
4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means 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(Definitions), F.A.C.]
8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. Unconfined Particulate Emissions:
  - a. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.
  - b. Any permit issued to a facility with emissions of unconfined particulate matter shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined particulate matter.
  - c. Reasonable precautions include the following:
    - (1) Paving and maintenance of roads, parking areas and yards.
    - (2) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.

## SECTION 4. APPENDIX C

### Common Conditions

- (3) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
- (4) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- (5) Landscaping or planting of vegetation.
- (6) Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- (7) Confining abrasive blasting where possible.
- (8) Enclosure or covering of conveyor systems.

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

### RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 3 years following the date on which such measurements, records, or data are recorded, unless otherwise specified by Department rule. Records shall be made available to the Department upon request. [Rule 62-4.160, F.A.C.]
11. Emissions Computation and Reporting:
  - a. *Applicability*. This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]
  - b. *Computation of Emissions*. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.
    - (1) *Basic Approach*. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.
      - (a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
      - (b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
      - (c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
    - (2) *Continuous Emissions Monitoring System (CEMS)*.
      - (a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:

## SECTION 4. APPENDIX C

### Common Conditions

- 1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or
  - 2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
- (b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
- 1) A calibrated flow meter that records data on a continuous basis, if available; or
  - 2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
- (c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- (3) Mass Balance Calculations.
- (a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
- 1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and
  - 2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
- (b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
- (c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- (4) Emission Factors.
- a. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
- 1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
  - 2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.

## SECTION 4. APPENDIX C

### Common Conditions

- 3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
- b. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- (5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
- (6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- (7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
- (8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

c. *Annual Operating Report for Air Pollutant Emitting Facility*

- (1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:
  - a. All Title V sources.
  - b. All synthetic non-Title V sources.
  - c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.
  - d. All facilities for which an annual operating report is required by rule or permit.
- (2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.
- (3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.
- (4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.
- (5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

[Rule 62-210.370(3), F.A.C.]

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**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the facility.

**COMPLIANCE TESTING REQUIREMENTS**

1. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
2. Applicable Test Procedures - Opacity Compliance Tests: When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:
  - a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
  - b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
  - c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4), F.A.C.]

3. Determination of Process Variables:
  - a. *Required Equipment*. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
  - b. *Accuracy of Equipment*. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

4. Frequency of Compliance Tests: The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.
  - a. *General Compliance Testing*.
    1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.
    2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air

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**SECTION 4. APPENDIX D**  
**Common Testing Requirements**

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operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:

- (a) Did not operate; or
  - (b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,
3. During each federal fiscal year (October 1 – September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for visible emissions, if there is an applicable standard.
4. The owner or operator shall notify 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 for the owner or operator.
- b. *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), F.A.C.]

**RECORDS AND REPORTS**

5. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report shall provide the following information.
- a. The type, location, and designation of the emissions unit tested.
  - b. The facility at which the emissions unit is located.
  - c. The owner or operator of the emissions unit.
  - d. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
  - e. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
  - f. The date, starting time and end time of the observation.
  - g. The test procedures used.
  - h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.
  - i. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
  - j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8), F.A.C.]