

Smurfit-Stone Container Enterprises, Inc.
Jacksonville Mill
Facility ID No.: 0310067
Duval County

Title V Air Operation Permit Renewal
Revised Draft Permit No.: 0310067-006-AV

Permitting Authority:
Department of Environmental Protection
Northeast District Air Program
7825 Baymeadows Way, Suite B-200
Jacksonville, Florida 32256-7590
Telephone: 904/448-4310
Fax: 904/448-4363

Compliance Authority:
City of Jacksonville
Environmental Resource Management Department
Environmental Quality Division
117 W. Duval Street, Suite 225
Jacksonville, Florida 32202
Telephone: 904/630-4900
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Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen M. Castille
Secretary

Permittee:
Smurfit-Stone Container Enterprises, Inc.
Jacksonville Mill

Revised Draft Permit No.: 0310067-006-AV
Facility ID No.: 0310067
SIC Nos.: 26, 2631, 2621
Project: Title V Air Operation Permit Renewal

This permit is for the operation of the air sources at the Smurfit-Stone Container Enterprises, Inc.'s Jacksonville Mill. This facility is located at 9469 East Port Road, Jacksonville, Duval County; UTM Coordinates: Zone 17, 442.4 km East and 3365.4 km North; Latitude: 30°25'15" North and Longitude: 81°36'00" West.

STATEMENT OF BASIS: This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. 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 permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix U-1, List of Unregulated Emissions Units and/or Activities
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix TV-5, Title V Conditions (version dated 3/28/05)
Appendix SS-1, Stack Sampling Facilities version dated 10/07/96
Table 297.310-1, Calibration Schedule version dated 10/07/96
Figure 1 – Summary Report-Gaseous and Opacity Excess Emission and Monitoring System Performance Report version dated 10/07/96

Effective Date:
Renewal Application Due Date:
Expiration Date:

Draft

Christopher L. Kirts, P.E.
District Air Program Administrator

CLK:mcl

Section I. Facility Information.

Subsection A. Facility Description.

This facility is a paper mill manufacturing linerboard, medium and bag paper from Old Corrugated Containers (OCC) recycled pulp. The facility also utilizes bleached virgin pulp as an alternative raw material in its products.

Emissions Units 022, 023, and 026 identify package boilers No. 1, 2, and 3. Air emissions from all the boilers are vented out through one common stack. Each boiler consists of low NOx burners and flue gas recirculation system to control NOx emissions.

Each of the boilers is sized to provide up to 150,000 pounds per hour of process steam to the facility. SSCC is permitted to produce up to 450,000 pounds/hour of total steam from all three package boilers. This allows a maximum firing rate of 645 MMBtu/hr total for three package boilers when the CBCP facility is shutdown or operating at reduced rates. In addition, SSCC is limited to total steam consumption of 640, 000 pounds/hour.

Also included in this permit are miscellaneous unregulated emissions units and/or activities.

Based on the Title V permit renewal application received October 3, 2003, this facility is a major source of hazardous air pollutants (HAPs) and also criteria pollutants.

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No.	Brief Description
-022	Natural Gas/No. 2 Fuel Oil Fired Package Steam Boiler No. 1
-023	Natural Gas/No. 2 Fuel Oil Fired Package Steam Boiler No. 2
-026	Natural Gas/No. 2 Fuel Oil Fired Package Steam Boiler No. 3

Unregulated Emissions Units and/or Activities:

E.U. ID No.	Brief Description
-xxx	Paper Machine Area *
-xxx	Fugitive Emissions (Facility-wide)*

* Refer to Appendix U-1, List of Unregulated Emissions Units and/or Activities for the emission points associated with these Unregulated Emissions Units.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:

Title V Air Operation Permit Renewal Application received October 3, 2003

Request for Additional Information dated November 25, 2003

Additional Information Received February 18, 2004

E-Mail Correspondence dated February 25, 2004

E-Mail Correspondence dated March 16, 2004

Request for Additional Information dated March 17, 2004

Additional Information Received June 15, 2004

Request for Additional Information dated July 14, 2004

Additional Information Received October 13, 2004

Request for Additional Information dated December 23, 2004

Request for Time Extension Received March 15, 2005

Notice of Time Extension dated March 16, 2005

Request for Time Extension Received June 15, 2005

Notice of Time Extension dated June 16, 2005

Request for Time Extension Received September 8, 2005

Notice of Time Extension dated September 13, 2005

EPA Region 4 Letter Received October 12, 2005

EPA Region 4 Letter Received November 4, 2005

Request for Time Extension Received December 6, 2005

Notice of Time Extension dated December 8, 2005

EPA Region 4 Letter Received February 6, 2006

Notice of Determination Dated February 7, 2006

Additional Information Received March 8, 2006

Additional Information Received March 24, 2006

Facility's comment received July 14, 2006

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-5, TITLE V CONDITIONS, is a part of this permit.
{Permitting note: APPENDIX TV-5, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}
 2. **[Not federally enforceable.]** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]
 3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
 4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 1515
Lanham-Seabrook, MD 20703-1515
Telephone: 301/429-5018
- and,
- b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.
[40 CFR 68]
5. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit. These sources are covered by the permit shield.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C., 11/06/98 Golder & Associates Letter].
6. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]
7. **[Not federally enforceable.]** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:
 - Maintenance and washing of paved areas as needed.
 - Limiting access to plant property by unnecessary vehicles.

- Sweeping of storage areas for large particulate as needed.
[Rule 62-296.310(3), F.A.C.; Proposed by applicant in the initial Title V permit application received 05-28-96]
- 8. National Emission Standard for Asbestos (NESHAP). As required by 40 CFR 61, Subpart M potentially applies to demolition and renovation projects where asbestos must be removed from the facility.
[40 CFR 61, Subpart M]
- 9. When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of this permit, which is day one.
[Rule 62-213.440, F.A.C.]
- 10. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.
[Rules 62-213.440(3) and 62-213.900, F.A.C.]
- 11. The permittee shall submit all compliance related notifications and reports required of this permit to the City of Jacksonville, Regulatory & Environmental Services Department.

City of Jacksonville
Environmental Resource Management Department
Environmental Quality Division
117 W. Duval Street, Suite 225
Jacksonville, Florida 32202
Telephone: 904/630-4900
Fax: 904/630-3638

- 12. Any reports, data, notifications, certification, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency, Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
Air Compliance Section
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9099, Fax: 404/562-9095

- 13. When MACT standard(s) for the pulp and paper facilities are promulgated, this facility shall comply with all the applicable requirements within the time period provided by the federal regulation promulgating the MACT standards.
[Rule 62-213.440(1), F.A.C, 11/06/98 Golder & Associates Letter].
- 14. Any specific conditions of this permit identified as “Not Federally Enforceable” are included in the permit shield.
[11/06/98 Golder & Associates Letter]

15. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), F.A.C.]
16. **[Not federally enforceable]**: The facility shall subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].
17. **[Not federally enforceable]**: The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIII.

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions units.

E.U.

<u>ID No.</u>	<u>Brief Description</u>
022	Package Steam Boiler No. 1
023	Package Steam Boiler No. 2
026	Package Steam Boiler No. 3

Emissions Unit 022, 023, and 026 identify the 3 package steam boilers. Each boiler has the capability of firing either natural gas or No. 2 fuel oil with a sulfur content not to exceed 0.05% by weight. Emissions from the 3 boilers are vented through one common stack. These emissions units are subject to 40 CFR Part 60 Subpart Db, Standards of Performance for Industrial-Commercial-institutional Steam Generating Units, and BACT Determination dated July 7, 1993 and March 9, 2000.

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum heat input rate for each boiler shall neither exceed 215 MMBtu per hour when firing natural gas nor 200 MMBtu per hour when firing No. 2 fuel oil. **See Specific Condition A.3.**

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 0310067-004-AC/PSD-FL-252]

A.2. Permitted Capacity. In accordance with the terms of the Cedar Bay Cogeneration Project (CBCP) site certification, SSCC is permitted to produce up to 450,000 lbs/hr total steam for all three package boilers. This allows a maximum firing rate of 645 MMBtu/hr for all three package boilers when the CBCP facility is shutdown or operating at reduced rates. In addition, SSCC is limited to 640,000 lb/hr total steam consumption.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 0310067-004-AC/PSD-FL-252; Construction Permit 0310067-007-AC/PSD-FL-252A]

A.3. Methods of Operation. Fuel(s). Natural gas shall be the primary fuel fired in these emissions units. No. 2 fuel oil with a sulfur content not to exceed 0.05% by weight shall be used as a secondary fuel in these emissions units.

[Rule 62-213.410, F.A.C.; Construction Permit 0310067-004-AC/PSD-FL-252]

A.4. Hours of Operation. These emissions units are allowed to operate continuously, i.e., 8,760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction Permit 0310067-004-AC/PSD-FL-252]

Emission Limitations and Standards

{Permitting note: Table 1-2, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.5. Nitrogen Oxide (NO_x) Emissions Limit. NO_x emissions shall not exceed 0.2 lb/MMBtu on a 30-day rolling average basis. Equivalent emissions are 34.94 pounds per hour on a 30-day rolling average basis, and 153.1 tons per year per boiler. Total annual NO_x emissions from the three package boilers, in accordance with the terms of the CBCP site certification, shall not exceed 310 tons per year.

[40 CFR 60.44b(a); Rule 62-204.800; Construction Permit 0310067-004-AC/PSD-FL-252; Construction Permit 0310067-007-AC/PSD-FL-252A]

A.6. Sulfur Dioxide Emissions Limit. Annual Sulfur dioxide emissions from No.2 fuel oil firing, totaling all three boilers, shall not exceed 25 tons/year. In the event this limit is expected to be exceeded due to unavailability of natural gas caused by factors beyond the control of Smurfit Stone Container Enterprises, Inc., the sulfur dioxide emissions shall not exceed 41 tons/year. [BACT Determination dated July 7, 1993; Construction Permit 0310067-004-AC/PSD-FL-252]

A.7. Visible Emissions Limits.

1. Visible Emissions shall not exceed 5% Opacity when firing natural gas.
2. Visible Emissions shall not exceed 10% Opacity when firing No. 2 fuel oil.

[BACT Determination dated July 7, 1993; Construction Permit 0310067-004-AC/PSD-FL-252]

Excess Emissions

A.8. Excess emissions resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period.

[Rule 62-210.700(1), F.A.C.]

A.9. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

A.10. In case of excess emissions resulting from malfunctions, owner or operator shall notify the Department or the appropriate local program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunction shall be submitted in a quarterly report, if requested by the Department.

[Rule 62-210.700(6), F.A.C.]

A.11. Excess emissions resulting from boiler cleaning (soot blowing) and load change shall be permitted provided the duration of such emissions shall not exceed 3 hours in any 24-hour period and the visible emissions shall not exceed Number 3 Ringelmann Chart (60 percent opacity), and

provided (1) best operational practices to minimize emissions are adhere to and (2) the duration of the excess emissions shall be minimized.

A load change occurs when the operational capacity of a unit is in the 10 percent to 100 percent capacity range, other than startup and shutdown, which exceed 10 percent of the unit's rated capacity and which occurs at a rate of 0.5 percent per minute or more.

Visible emission above 60 percent opacity shall be allowed for not more than 4, six-minute periods, during the 3-hour period of excess emissions allowed, for boiler cleaning and load changes, at unit which have installed and are operating, or have committed to install or operate, continuous opacity monitors.

Particulate matter emissions shall not exceed an average of 0.3 lbs per million BTU heat input during the 3-hour period of excess emissions.

[Rule 62-210.700(3), F.A.C.]

Test Methods and Procedures

{Permitting note: Table 2-2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.12. Nitrogen Oxide (NO_x). Compliance shall be determined on a continuous basis with continuous emissions monitoring system (CEMs). The nitrogen oxide standards shall apply at all times including periods of startup, shutdown, or malfunction. Compliance with the emission limits shall be determined on a 30-day rolling average basis. A new 30-day rolling average emission rate is calculated for each steam generating unit operating days as the average of all of the hourly nitrogen oxides emission data for the preceding 30 steam generating unit operating days.

[40 CFR 60.46b (e)(4); 40 CFR 60.48b(b), 40 CFR 60.44b(h) & (i)]

A.13. Sulfur Dioxide. A stoichiometric quantification for sulfur dioxide emissions shall be utilized using the actual density and sulfur weight percent and the quantity of No. 2 fuel oil fired monthly.

[40 CFR 60.49b(r), Construction Permit 0310067-004-AC/PSD-FL-252]

A.14. Visible Emissions. The test method for visible emissions shall be EPA Method 9, incorporated and adopted in Chapter 62-297, F.A.C. Testing shall be performed annually during each federal fiscal year (September 30-October 1) in which the three package boilers have operated or are projected to operate a total of 400 hours or more.

[Construction Permit 0310067-004-AC/PSD-FL-252, 11/06/98 Golder & Associates Letter; 01/19/99 Golder & Associates Letter].

A.15. Excess Emissions. A compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emission unit operation, except that such test shall not be required in any federal

fiscal year in which a fossil fuel steam generator unit does not burn liquid and/or solid fuel for more than 400 hours other than during startup.

[Rule 62-297.310(7)(a)2., F.A.C.]

Monitoring Requirements

A.16. Fuel/Steam Flow. The natural gas, No. 2 fuel oil, and the steam flows (from both the package boilers and from the CBCP facility) shall be metered and continuously recorded.

[Construction Permit 0310067-004-AC/PSD-FL-252]

A.17. NO_x CEMS. The NO_x continuous monitoring system shall be operated and data recorded during all periods of operation of the emissions units except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments.

[40 CFR 60.48b(c)]

A.18. NO_x CEMS. When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Reference method 7, Reference Method 7A, or other approved referenced methods to provide emissions data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

[40 CFR 60.48b(f)]

A.19. NO_x CEMS. The 1-hour average nitrogen oxides emissions rates measured by the continuous nitrogen oxides monitor shall be expressed in nanograms per joule or lb./million Btu heat input and shall be used to calculate the average emission rates under 40 CFR 60.44b. The 1-hour averages shall be calculated using the data points required under 40 CFR 60.13(b). At least two data points must be used to calculate each 1-hour average.

[40 CFR 60.48b(d)]

A.20. NO_x CEMS. The continuous monitoring systems shall be evaluated and operated in accordance with the procedures stated at 40 CFR 60.13.

[40 CFR 60.48b(e)]

A.21. NO_x CEMS. The span value for nitrogen oxides is determined as follows:

Fuel	Span values for nitrogen oxides (PPM)
Natural gas	500
Oil	500
Combination	$500(x + y)$

where:

x is the fraction of total heat input derived from natural gas; and,

y is the fraction of total heat input derived from oil.

All span values computed for burning combinations of regulated fuels are rounded to the nearest 500 ppm.

[40 CFR 60.48b(e)(2); 40 CFR 60.48b(e)(3)]

A.22. NO_x CEMS. The owner or operator of an affected facility which has a heat input capacity of 73 MW (250 million Btu/hour) or less, and which has annual capacity factor for residual oil having a nitrogen content of 0.30 weight percent or less, natural gas, distillate oil, or any mixture of these fuels, greater than 10 percent (0.10) shall:

(1) Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), e(3), and (f), or

(2) Monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 40 CFR 60.49b(c).

[40 CFR 60.48b(g)(1) and (2)]

Recordkeeping

A.23. Fuel/Steam Flow. The data required by Specific Condition A.16. shall be logged daily and maintained so that it can be provided to the Department upon request.

[Construction Permit 0310067-004-AC/PSD-FL-252]

A.24. Fuel receipts, from the fuel supplier, of the No. 2 fuel oil delivered shall be obtained and maintained which certifies that the oil meets the definition of very low sulfur oil and distillate oil as follows:

Very Low Sulfur Oil - Oil that contains no more than 0.5 weight percent sulfur or that, when combusted without sulfur dioxide emission control, has a sulfur dioxide emission rate equal to or less than 0.5 lb/MMBtu heat input.

Distillate Oil - Fuel oil that complies with the specifications for fuel oil numbers 1 and 2 defined in ASTM D396-78.

Such receipts shall also contain a laboratory analysis which quantifies the density and percent sulfur content, by weight.

[Rule 40 CFR 60.49b(r); 40 CFR 60.41b; 40 CFR 60.17; Construction Permit 0310067-004-AC/PSD-FL-252]

Notification/Reporting Requirements

A.25. Fuel.

1. Reports certifying that only No. 2 fuel oil meeting the definitions stated in Specific Condition A.24. was combusted in the package boilers shall be submitted to the City of Jacksonville Regulatory & Environmental Services Department (RESO) on a quarterly basis.
2. The firing of any fuel oil and its associated SO₂ emissions shall be quantified on a monthly and per boiler basis and submitted to RESO by the end of the month following the end of each quarter.
3. Quarters are defined as January - March, April - June, July - September, and October - December. The final quarterly report shall include the total amount of the fuel oil fired and the SO₂ emissions for the calendar year quantified on a per boiler basis.

[40 CFR 60.49b(r); Construction Permit 0310067-004-AC/PSD-FL-252]

A.26. SO₂

1. Stone Container shall notify the Department in the event that it is anticipated that the 25 ton/year SO₂ limit stated in Specific Condition A.6. will be exceeded. The notice shall include a statement or reasons for the request and supporting documentation. Stone Container shall publish the notice (without the supporting documentation), in a newspaper of general circulation in Jacksonville, Florida, as defined in Section 403.5115(2), F.S. The filing and publication of the notice no later than 7 days following the date of exceedance, shall preclude any finding of violation by the Department until final disposition of any administrative proceedings.
2. SO₂ emissions during periods of natural gas curtailment shall not be counted against the sulfur dioxide limit of 25 ton/year unless administrative proceedings result in a finding that the exceedance was within Smurfit-Stone Container Enterprises, Inc's control.

[Construction Permit 0310067-004-AC/PSD-FL-252]

Subsection B. Common Conditions

E.U.

<u>ID No.</u>	<u>Brief Description</u>
022	Package Steam Boiler No. 1
023	Package Steam Boiler No. 2
026	Package Steam Boiler No. 3

The following specific conditions apply to the emissions unit(s) listed above:

B.1. 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.

3. 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 operation permit pursuant to Rule 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.

4. 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:

a. Visible emissions, if there is an applicable standard;

9. 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.

10.(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 may 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.

B.2. Operating Rate During Testing. Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity as defined below. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load 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.

(b) All Other Sources. Permitted capacity is defined as 90 to 100 percent of the minimum operation rate allowed by the permit.
[Rules 62-297.310(2) and 62-297.310(2)(b), F.A.C.]

B.3. Applicable Test Procedures.

(a) Required Sampling Time.

1. Unless otherwise specified in the applicable rule, the required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling port shall be of equal intervals of at least two minutes.

2. 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.

[Rule 62-297.310(4)(a)2., F.A.C.]

B.4. 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.]

B.5. Test Reports.

(a) 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.

(b) 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.

(c) 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, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. 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.

5. 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.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. 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.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. 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.]