Environmental Protection and Growth Management Department
POLLUTION PREVENTION, REMEDIATION AND AIR QUALITY DIVISION
One North University Drive, Suite 203, Plantation, Florida 33324

FINAL PERMIT

Permittee:
Sterall Inc.
1940 NW 22nd Street
Pompano Beach, Florida 33069

Air Permit No. 0112742-001-AC
Project: Construction
Effective Date: 8/2/2013
Expiration Date: 8/2/2014

Facility:
Sterall
1940 NW 22nd Street, Pompano Beach, Florida 33069
Latitude/longitude**:** Latitude: 26°15'26.8200"N/-80°8'58.9740"W.
Standard Industrial Classification Code: 4953 (Refuse Systems)

Project Description:
This construction permit is for the installation and testing of a Plasma Assisted Pyrolytic System (PAPS) that is used for treatment of hospital waste and/or medical/infectious waste (HMIW). Testing is required to demonstrate that the PAPS is capable of treating exhaust gases generated from pyrolysis to a safe level prior to discharge to the atmosphere, and also capable of reducing HMIW to an non-toxic ash prior to disposal at a landfill. Potential air pollutants from treating HMIW include: Carbon Monoxide (CO), Hydrogen Chloride (HCL), Dioxins/Furans (D/F), Nitrogen Oxides (NOx), Volatile Organic Compounds (VOC), Sulfur Dioxide (SO2), Lead (Pb), Cadmium (Cd), Mercury (Hg), and Particulate Matter (PM).

Statement of Basis: This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), Florida Administrative Code (F.A.C.) Rules 62-4 and 62-204 through 62-297 (permitting requirements) and Broward County Code, Chapter 27 and in conformance with all existing regulations of the Florida Department of Environmental Protection (FDEP). The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof.

In Accordance with: Construction application received on 4/11/2013, additional application information received on 5/8/2013, Notice of Intent issued on 7/1/2013 and published on 7/16/2013 in the Broward Daily Business Review newspaper.

Executed in Broward County, Florida

CLIFTON BITTLE Digitally signed by CLIFTON BITTLE
DN: dc=city, dc=broward, dc=bc, ou=Organization, ou=BCC, ou=EPGM, ou=PPRAQ, ou=Users, cn=CLIFTON BITTLE
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Clifton R. Bittle
Environmental Licensing Manager
Broward County Pollution Prevention, Remediation and Air Quality Division

/SJ SJ

Abbreviations and Definitions

Batch Cycle: Treatment period during which there can be no waste charging nor ash removal from the PAPS.
Cd: Cadmium
CO: Carbon Monoxide
D/F: Dioxins/Furans
Department: Department means PPRAQD which is delegated by FDEP for permitting and compliance. Department rules mean F.A.C.
F.A.C.: Florida Administrative Code
FDEP: Florida Department of Environmental Protection
F.S.: Florida Statutes
HCL: hydrogen chloride
Hg: Mercury
HMIW: Hospital waste and/or medical/infectious waste
Hospital Waste: Discards generated at a hospital, except unused items returned to the manufacturer. The definition of hospital waste does not include human corpses, remains, and anatomical parts that are intended for interment or cremation.
Medical/Infectious Waste: Any waste generated in the diagnosis, treatment, or immunization of human beings or animals, in research pertaining thereto, or in the production or testing of biologicals that includes: (1) Cultures and stocks of infectious agents and associated biologicals, including: cultures from medical and pathological laboratories; cultures and stocks of infectious agents from research and industrial laboratories; wastes from the production of biologicals; discarded live and attenuated vaccines; and culture dishes and devices used to transfer, inoculate, and mix cultures.(2) Human pathological waste, including tissues, organs, and body parts and body fluids that are removed during surgery or autopsy, or other medical procedures, and specimens of body fluids and their containers.(3) Human blood and blood products including:(i) Liquid waste human blood;(ii) Products of blood;(iii) Items saturated and/or dripping with human blood; or(iv) Items that were saturated and/or dripping with human blood that are now caked with dried human blood; including serum, plasma, and other blood components, and their containers, which were used or intended for use in either patient care, testing and laboratory analysis or the development of pharmaceuticals. Intravenous bags are also include in this category.(4) Sharps that have been used in animal or human patient care or treatment or in medical, research, or industrial laboratories, including hypodermic needles, syringes (with or without the attached needle), pasteur pipettes, scalpel blades, blood vials, needles with attached tubing, and culture dishes (regardless of presence of infectious agents). Also included are other types of broken or unbroken glassware that were in contact with infectious agents, such as used slides and cover slips.(5) Animal waste including contaminated animal carcasses, body parts, and bedding of animals that were known to have been exposed to infectious agents during research (including research in veterinary hospitals), production of biologicals or testing of pharmaceuticals.(6) Isolation wastes including biological waste and discarded materials contaminated with blood, excretions, exudates, or secretions from humans who are isolated to protect others from certain highly communicable diseases, or isolated animals known to be infected with highly communicable diseases.(7) Unused sharps including the following unused, discarded sharps: hypodermic needles, suture needles, syringes, and scalpel blades.
NESHAP: National Emissions Standards for Hazardous Air Pollutants
NOx: Nitrogen Oxides
NSPS: New Source Performance Standards
PAPS: Plasma Assisted Pyrolytic System
Pb: Lead
PM: Particulate Matter

PPRAQD:	Broward County Pollution Prevention, Remediation and Air Quality Division
PSD:	Prevention of Significant Deterioration
Pyrolysis:	The endothermic gasification of HMIW at elevated temperatures in the absence of oxygen using external energy.
SIC:	Standard Industrial Classification Code
SO2:	Sulfur Dioxide
VOC:	Volatile Organic Compounds

Facility Description

The PAPS is located in an existing warehouse in 1940 NW 22nd Street, Pompano Beach, Florida 33069 as shown in the following figure.

Trained equipment operators load the waste carts delivered to the site into the processing chamber, close/lock the chamber door and then initiate the treatment cycle. The system is a batch operation, processing approximately 500 pounds of waste per batch. Batch processing time is estimated at 4 hours per cycle. The system is fully controlled by a PLC unit which in addition to continuously monitor the operating parameters required for pyrolysis is capable of safety shut down the system in the event of any interruption of service. Once the cycle is complete, the operator unlocks the chamber door, remove the cart, recover and inspect the ash residue, reload the cart, and repeat the process. The residual waste from the PAPS which consists of non-toxic ash, glass, and deformed metal is transported to the landfill for disposal.

Facility Regulatory Classification
Title III: The facility is a natural minor source of HAP.
Title V: The facility is not a major source in accordance with Chapter 62-213 (Title V), F.A.C.
PSD: The facility is not a major source in accordance with Rule 62-212.400 (PSD), F.A.C.
NSPS: The facility does not operate units subject to NSPS of 40 Code of Federal Regulations (CFR) 60.
NESHAP: The facility does not operate emission units subject NESHAP.

General Conditions

{Permitting Note. The Permittee shall comply with following general conditions listed in Rule 62-4.160, F.A.C.}

1. Terms of Permit. 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. Permit Validity. 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. Disclaimer. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. Disclaimer. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does 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. Liability. 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. Operation and Maintenance. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. Onsite Inspection Activities. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
(a) Have access to and copy any records that must be kept under conditions of the permit;
(b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
(c) Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.
Reasonable time may depend on the nature of the concern being investigated

8. Reporting Noncompliance. 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.
{Permitting Note. The Permittee shall report any periods of noncompliance to the Department immediately by phone 954-519-1499 or by Email EPDHOTLINE@broward.org. This also applies when the period of non-compliance is first determined after normal business hours or on weekends and holidays.}

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

10. Rule Changes. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. Permit Transfer. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. Work Site Copy. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. BACT, PSD, NSPS. This permit also constitutes:
    (a) Determination of Best Available Control Technology (BACT)
    (b) Determination of Prevention of Significant Deterioration (PSD)
    (c) [NA, state Water Quality Standards (Section 401, PL 92-500)]
    (d) Compliance with New Source Performance Standards
14. Recordkeeping Requirements. The permittee shall comply with the following:
    (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    (c) Records of monitoring information shall include:
        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The dates analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. The results of such analyses.
15. Information Submittal. 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.

Facility-wide Conditions

16. 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.

    Odor management strategies shall include, but not limited to:
    (i) All waste collected and stored at the facility shall be refrigerated in compliance with all DOH health codes.
    (ii) Operators shall ensure that there is no direct exposure of the waste to open air, and maintain a plastic barrier as well as a thick cardboard barrier between the waste and the environment.
    (iii) Operators shall minimize the time required to loaded waste into the primary process chamber of the PAPS.
    (iv) The operator shall shut down the PAPS for maintenance if odors is detected escaping through the door seals during operations.
    [Rules 62-296.320(2) and 62-4.160(2), F.A.C.]

17. VOC or Organic Solvents Emissions. The owner or operator shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.
[Rule 62-296.320(1) (a)]

18. 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. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4) (b), F.A.C.]

19. Unconfined Emissions of PM. No person shall cause, let, permit, suffer or allow emission of PM from any source whatsoever, including but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial-related activities such as loading, unloading, storing or handling without taking reasonable precautions to prevent such emissions.
[Rule 62-296.320 (4) (c) F.A.C]

20. (a) Concealment. No person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any provisions of Broward County Codes. [Broward County Code, Sec. 27-175(b)]
    (b) Circumvention**.** No person shall circumvent any air pollution device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Broward County Code, Sec. 27-175(c)]
    (c) Maintenance. No person shall operate any air pollution control equipment or systems without proper and sufficient maintenance to assure compliance with Broward County Codes. [Broward County Code, Sec. 27-175(d)]

21. Operating Permit Application. By this construction permit, the owner or operator is allowed to construct, operate, and conduct tests to determine compliance with the provisions of the permit, and to apply for and receive an operating permit prior to the expiration date of this construction permit. To properly apply for an operation permit the applicant shall submit the appropriate fee and certification that construction was completed noting any deviations from the conditions in the construction permit and test results where appropriate.
[Rules 62-4.210(3), and 62-4.220, F.A.C.]
{Permitting Note: The Permittee may also elect to submit the application electronically using the FDEP EPSAP software available at http://www.dep.state.fl.us/air/emission/epsap/default.htm website, along with the processing fee established in Rule 62-4.050(4), F.A.C. , [62-4.090(1) and 62-4.050(4), F.A.C.]

Specific Conditions

EU No.	Brief Description
001	Plasma Assisted Pyrolytic System (PAPS)

The PAPS is equipped with low NOx high velocity burners fueled by propane gas to produce hot gases to heat the primary pyrolysis chamber to the required treatment temperatures (800 – 1600 degF). Exhaust gases are directed to a secondary emissions treatment chamber prior to exhausting to the atmosphere. The entire operation cycle is monitored and controlled by a PLC unit.

22. Capacity. The PAPS maximum waste destruction rate is 125 pounds per hour.
[Rules 62-4.160(2) and 62.210.200(PTE), F.A.C.]

23. Pollutants Emissions Standards. The concentrations of pollutants in gaseous stack emissions from operating the PAPS shall not exceed the PAPS manufacturer standards (see permitting note below) shown in the following table:

Stack Pollutant	Incinerator NSPS Standards[1] ppmv (mg/dscm)	PAPS Manufacturer Standards (ppmv)
Particulate matter	10 (66 mg/dscm)	10
Carbon monoxide	20	60
Dioxins/furans	0.000001(16 ng/dscm total D/F or 0.013 ng/dscm TEQ)	see note below[2]
Hydrogen chloride	15	1
Lead	0.037(0.31 mg/dscm)	1
Cadmium	0.004 (0.017 mg/dscm)	1
Mercury	0.002 (0.014 mg/dscm)	1

[Rules 62-4.160(2), F.A.C., Permit Application]

{Permitting Note[1]. The incinerator NSPS standards which are taken from Table 1B to Subpart Ec of Part 60 for small incinerators treating HMWI are included for comparison with the PAPS manufacturer standards}
{Permitting Note[2]. Dioxins and furans concentration levels from pyrolysis are expected to be significantly less than from incineration.}

24. Operating Requirements.
    (a) The owner shall not allow the PAPS to be operated unless it is properly maintained and operated by an operator who has satisfactorily completed the required training program.
    (b) The operator shall implement the odor management plan (see Condition 16).
    (c) The operator shall inspect (and document) the waste residue from the PAPS after each batch treatment to determine if the waste has been properly and adequately treated prior to transporting to the landfill. If re-treatment fails to provide satisfactory treatment of untreated residue, the operator shall shutdown the PAPS for maintenance.

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

25. Performance Testing
    (a) *Frequency of Tests*. The owner or operator shall conduct compliance tests using the methods in Condition 25 (b) to identify the nature, quantity, and level of pollutant emitted from the PAPS (see Condition 23) prior to obtaining an initial or renewed operation permit, and whenever the Department, after investigation, has good reason (such as frequent shutdown, or questionable maintenance of the PAPS) to believe that the PAPS fails to meet manufacture performance specifications. [Rules 62-4.070(3), 62-297.310(7) b., F.A.C]
    (b) *Test Methods*. The owner or operator shall comply with the general testing conditions listed in Appendix 1, below, and EPA Reference Methods in Appendix A of part 40 CFR 60.

	EPA Reference Methods
Gas composition analysis	EPA Reference Method 3, 3A, or 3B of appendix A–2 *Concentrations adjustment*. The pollutant concentrations shall be adjusted to 7 percent oxygen using the following equation: $C_{adj} = C_{meas}(20.9-7)/(20.9-\%O_2)$ where: C_{adj}= pollutant concentration adjusted to 7 percent oxygen; C_{meas}= pollutant concentration measured on a dry basis (20.9−7)=20.9 percent oxygen—7 percent oxygen (defined oxygen correction basis); 20.9 = oxygen concentration in air, percent; and $\%O_2$ = oxygen concentration measured on a dry basis, percent.
PM	EPA Reference Method 5 of appendix A–3 or Method 26A or Method 29 of appendix A–8
CO	EPA Reference Method 10 or 10B of appendix A–4

Dioxins/ Furans	EPA Reference Method 23 of appendix A–7
HCL.	EPA Reference Method 26 or 26A of appendix A–8
Pb, Cd, and Hg	EPA Reference Method 29 of appendix A–8

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

26. Testing Notification. The owner or operator shall notify the Department, at least 15 days prior to the date on which each compliance tests are to begin and the test contact person who will be responsible for coordinating and having such test s conducted for the owner or operator.
[Rule 62-297.310(7) (a) 9, F.A.C.]
{Permitting Note. The testing company should submit a test protocol prior to the test date.}

27. Test Report Submittal. The performance test report shall be submitted to the Department as soon as practicable, but no later than 45 days after the performance test is completed. The report shall provide sufficient detail on the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed.
[Rule 62-297.310(8) (c), and 62-4.070(3) F.A.C.]

28. Recordkeeping Requirements. The owner or operator shall keep records for at least 3 years. Records include, but not limited to:
(a) Records of periodic inspection and maintenance conducted in accordance with manufacturer's schedule and specifications.
(b) Calendar days, times and durations of shutdown due to malfunctions, maintenance, and repairs.
(c) Calendar date and start time of batch, waste charge rates, and PLC Monitoring parameters (e.g. temperature) records for each cycle,
(d) Ash inspection results of each cycle
(e) Performance testing results
(f) Operator's training certificate for the duration of the operator's employment
[Rule 62-4.070 (3), 4.160 (14) (b) F.A.C]

Appendix 1
General Testing Requirements

The terms "stack" and "duct" are used interchangeably in this appendix.

1. Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]

2. 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.]

3. Calculation of Emission Rate. For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]

4. 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 point shall be of equal intervals of at least two minutes.
   (2) Opacity Compliance Tests. [NA]

b. *Minimum Sample Volume*. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet.

c. *Required Flow Rate Range.* For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.

d. *Calibration of Sampling Equipment*. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C.

TABLE 297.310-1 CALIBRATION SCHEDULE

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent or	+/-2%

		thermometric points	
Bimetallic thermometer	Quarterly	Calib. liq. in glass	5° F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5° F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/- 0.001" mean of at least three readings; Max. deviation between readings, 0.004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, when 5% change observed, annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually		
	3. Check after each test series	Comparison check	5%

e. *Allowed Modification to EPA Method 5*. When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

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

5. 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.]

6. Sampling Facilities. Permittees that are required to sample mass emissions from point sources shall install stack sampling ports and provide sampling facilities that meet the requirements of this condition. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must also comply with all applicable Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

[Rule 62-297.310(6), F.A.C.]