

NEIGHBORHOODS DEPARTMENT



Permittee:

Trend Offset Printing Services, Inc.
10301 Busch Drive North
Jacksonville, FL 32218-5635

Permit Number: 0310503-008-AF

Facility ID Number: 0310503

SIC Number: 2752

Project: Lithographic Offset Printing Presses

This permit is for the operation of four lithographic printing presses. This facility is located in Duval County at 10301 Busch Drive, Jacksonville, FL 32218-5635. The Universal Transverse Mercator coordinates of the facility are Zone 17, 438.90 km East and 3365.90 km North. The latitude and longitude coordinates are 30°25'23" North and 81°38'04" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-296, and 62-297, Florida Administrative Code (F.A.C.), and applicable Rules of the Jacksonville Environmental Protection Board (JEPB). The permittee is authorized to perform the work and operate the facility as described in the permit application, approved drawings, plans, and other documents, attached hereto or on file with the City of Jacksonville, Neighborhoods Department, Environmental Quality Division (Permitting Authority) and in accordance with the terms and conditions of this permit.

Operation Permit Renewal Application Due Date: April 30, 2018
Expiration Date: June 30, 2018

**Neighborhoods Department
Environmental Quality Division**

A handwritten signature in blue ink, appearing to read "Robert Steven Pace", is written over a horizontal line.

**Robert Steven Pace, P.E., Manager
Air Quality Branch**

RSP/CBJ

Section I. Facility Information

Subsection A. Facility/Project Description

This project is for the operation of three heatset lithographic printing presses: a Heidelberg M600 (EU 001); a Heidelberg 8 system and a Goss International M600 (EU 005); and one non-heatset lithographic printing press, a Heidelberg V30 (EU 003). An internal Eclipse integral afterburner will control volatile organic compound (VOC) emissions from EU 001. A Regenerative Thermal Oxidizer (RTO) will control VOC emissions from EU 005.

The facility is a synthetic non-Title V source of air pollution because the operational limit assumed by the owner will ensure the potential emissions of regulated air pollutants are less than 100 tons per year and the potential emissions of Hazardous Air Pollutants (HAP's) are less than 10 tons per year for a single HAP and less than 25 tons per year for total HAP's pursuant to Rule 62-210.200(188), F.A.C., and Rule 2.301, JEPB.

Prevention of Significant Deterioration (PSD) requirements do not apply since the potential emissions of any one regulated pollutant are less than 250 tons per year pursuant to Rule 62-210.200(189), F.A.C., and Rule 2.301, JEPB.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

<u>EU No.</u>	<u>EU Description</u>	<u>Control Equipment</u>
001	Heidelberg Web Systems Lithographic Offset Heatset Printing Press M600	Two Heidelberg Contiweb Dual deck drying ovens, Model No. ECC 093-1020, functioning as a VOC afterburner
003	Heidelberg Web Systems Lithographic Offset Non-Heatset Printing Press V30	None
005	Goss International Lithographic Offset Heatset Printing Press M600 and Heidelberg Web Systems Lithographic Heatset Printing Press 8	Regenerative Thermal Oxidizer (RTO) [Tann Corporation, Model No. TR1394C]

Subsection C. Relevant Documents

Air operation permit, 0310503-007-AO
 Federally Enforceable State Operation Permit (FESOP) renewal application received May 9, 2013

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Permitting Authority 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 Permitting Authority.
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 Permitting Authority 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 rules, unless specifically authorized by an order from the Permitting Authority.
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 Permitting Authority 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 Permitting Authority rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Permitting Authority 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 Permitting Authority 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 Permitting Authority 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 Permitting Authority 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 Permitting Authority may be used by the Permitting Authority as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Permitting Authority 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.
10. The permittee agrees to comply with changes in Permitting Authority 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 Permitting Authority rules.
11. This permit is transferable only upon Permitting Authority 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 Permitting Authority.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Compliance with New Source Performance Standards (NSPS)
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Permitting Authority rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Permitting Authority.
 - 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 Permitting Authority rule.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The person responsible for performing the sampling or measurements;
 - iii. The dates analyses were performed;
 - iv. The person responsible for performing the analyses;
 - v. The analytical techniques or methods used;
 - vi. The results of such analyses.
15. When requested by the Permitting Authority, 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 Permitting Authority, such facts or information shall be corrected promptly.
[Rule 62-4.160, F.A.C., and Rule 2.1401, JEPB]

Subsection B. Specific Conditions

1. The permittee shall apply to the Permitting Authority for a desired modification to an air permit or application, accompanied by the proper processing fee, and receive the approval of the Permitting Authority prior to implementation of the modification.
[Rule 62-4.080(2), F.A.C., and Rule 2.1401, JEPB]

2. The permittee shall submit an "Application for Non-Title V Air Permit Renewal" (DEP Form 62-210.900(4)) to the Permitting Authority no later than sixty (60) days prior to the expiration of this operation permit.
[Rule 62-4.090, F.A.C., and Rule 2.1401, JEPB]
3. The permittee shall submit an "Annual Operating Report for Air Pollutant Emitting Facility" (DEP Form No. 62-210.900(5)) to the Permitting Authority each year. The annual operating report shall be submitted to the Permitting Authority no later than April 1st of the following year.
[Rule 62-210.370(3), F.A.C., and Rule 2.301, JEPB]
4. The permittee shall not 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 Permitting Authority.
[Rule 62-296.320(1), F.A.C., and Rule 2.1101, JEPB]
5. The permittee shall not cause, let, permit, suffer, or allow the emission of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C., and Rule 2.1101, JEPB]
6. The permittee shall not cause, let, permit, suffer or allow the emission 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. Reasonable precautions include but are not limited to the following:
 - a. Paving and maintenance of roads, parking areas and yards.
 - b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
 - c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
 - d. 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.
 - e. Landscaping or planting of vegetation.
 - f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
 - g. Confining abrasive blasting where possible.
 - h. Enclosure or covering of conveyor systems.
[Rule 62-296.320(4)(c), F.A.C., and Rule 2.1101, JEPB]
7. The permittee shall conduct emission testing with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the air permit. If it is impractical to test at permitted capacity, then the EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, operation at higher capacities is allowed for no more than 15 consecutive days solely for the purposes of additional compliance testing to regain the permitted capacity in the air permit.
[Rule 62-297.310(2), F.A.C., and Rule 2.1201, JEPB]
8. The permittee shall provide stack sampling facilities, upon Permitting Authority request, with a method of access that is safe and readily accessible in accordance with Occupational Safety and Health Administration (OSHA) standards (29CFR1910, Subparts D and E). Permanent sampling facilities are not required.
[Rule 62-297.310(6), F.A.C., and Rule 2.1201, JEPB]

9. The permittee shall notify the Permitting Authority at least fifteen (15) days prior to EU compliance testing. [Rule 62-297.310(7)(a)9, F.A.C., and Rule 2.1201, JEPB]
10. The permittee shall file a report with the Permitting Authority on the results of any compliance test as soon as practical but no later than forty-five (45) days after completion of testing. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Permitting Authority to determine if the test was properly conducted and the test results properly computed. [Rule 62-297.310(8), F.A.C., and Rule 2.1201, JEPB]
11. This facility is subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 365 [Hazardous Regulated Substance Program], and Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice], and JEPB Rule 2, Part Nos. I through III, and Part Nos. XI through XIV.
12. The permittee shall submit all documents related to applications for permits to construct or operate an emissions unit and all documents related to compliance activities such as reports, tests, and notifications to the Permitting Authority. The Permitting Authority for this project is the City of Jacksonville, Neighborhoods Department, Environmental Quality Division. The Permitting Authority's mailing address is:

Neighborhoods Department
Environmental Quality Division
214 North Hogan Street, 5th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

13. Facility wide emissions of HAP's are limited to less than 10 tons per year (tons/yr) for any single HAP and to less than 25 tons/yr for total HAP's. Facility wide emissions of VOC's are limited to less than 100 tons/yr. [Applicant's request, Rule 62-4.070(3), F.A.C. and Rule 2.1401, JEPB]
14. Facility wide use of heatset inks is limited to 4000 pounds per day (lbs/day) determined on a calendar monthly basis. Facility wide use of heatset fountain solutions, blanket washes, clean-up and wash-up solvents/thinners is limited to 400 lbs/day determined on a calendar monthly basis. Facility wide use of non-heatset inks is limited to 4000 lbs/day determined on a calendar monthly basis. Facility wide use of non-heatset fountain solutions, blanket washes, clean-up and wash-up solvents/thinners is limited to 300 lbs/day determined on a calendar monthly basis. [Applicant's request, Rule 62-4.070(3), F.A.C. and Rule 2.1401, JEPB]

Section III. Emission Units and Conditions

Emission Unit 001 – Heidelberg Web Systems Lithographic Offset Heatset Printing Press M600

Emission Unit Description: Paper roll stock is directed to the offset printing press as a continuous web. Upon completion of the application of the printing ink the web is directed through two dual deck drying ovens to cure the heatset inks. The web is dried by hot air generated in the dual deck drying ovens which are each fired by a natural gas burner.

Control Device: Two Heidelberg Contiweb dual deck drying ovens, Model No.ECC 093-1020 (functioning as a VOC afterburner).

Essential Potential to Emit (PTE) Parameters

1. This EU is permitted to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. This EU’s maximum printing process rate is limited to 640 pounds per hour (lbs/hr) of ink, 10 gallons per hour (gal/hr) (68 lbs/hr of VOC) of blanket wash, and 10 gal/hr (17.5 lbs/hr of VOC) of fountain solution.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]
3. This EU’s maximum heat input to the dryer burners is limited to 5.4 million British thermal units per hour (MMBtu/hr) firing natural gas and/or evaporated VOCs.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]
4. This EU’s visible emissions (VE) are limited to less than 20% opacity.
[Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]
5. This EU’s maximum VOC emissions are limited to 25 tons per year (TPY).
[Applicant’s request, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
6. The minimum VOC destruction efficiency of the drying ovens (afterburners) shall be 95% and the minimum VOC capture efficiency shall be 100%. The minimum temperature at the outlet of the afterburner shall be maintained at 1400 degrees Fahrenheit. This temperature shall be maintained during all periods of press operation including, but not limited to, blanket wash operations.
[Applicant’s request, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance for VE shall be conducted in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40CFR60, Appendix A).
[Rule 62-296.320(4)(b)4.a, F.A.C., and Rule 2.1101, JEPB]
8. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2, F.A.C., and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance for VE shall be conducted annually from the date of January 1, 2013.
[Rule 62-297.310(7)(a)4, F.A.C., and Rule 2.1201, JEPB]
10. Testing for demonstration of compliance for VOC destruction efficiency shall be conducted in accordance with EPA RM 25A (as described in 40CFR60, Appendix A).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
11. VOC mass flow rate and VOC concentrations at the inlet and outlet of the afterburner shall be measured simultaneously to determine the percent reduction of VOC across the afterburner.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
12. Testing for demonstration of compliance for VOC destruction efficiency shall be conducted every five years from the date of January 1, 2013.
[Rule 62-297.310(7)(a)3, F.A.C., and Rule 2.1201, JEPB]
13. Testing for demonstration of compliance for VOC capture efficiency shall be conducted in accordance with applicable EPA RM's (204 thru 204F as described in 40CFR51, Appendix M).
[Rule 62-297.440(7), F.A.C., and Rule 2.1201, JEPB.]
14. Testing for demonstration of compliance for VOC capture efficiency shall be conducted every five years from the date of January 1, 2013.
[Rule 62-297.310(7)(a)3, F.A.C., and Rule 2.1201, JEPB]

Recordkeeping and Reporting

15. The permittee shall install, calibrate, maintain, and operate a continuous temperature measurement and recording device for measuring and recording the temperature at the outlet of the afterburner. These records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]
16. The permittee shall produce monthly records for the following:
 - a. The quantity and type of inks applied (pounds per month)
 - b. The VOC and HAP content of inks applied (% by weight)
 - c. The quantity of fountain solution, blanket wash, clean-up and wash-up solvent/thinner usage (pounds per month)
 - d. The VOC and HAP content of fountain solution, blanket wash, clean-up and wash-up solvent/thinner (% by weight)
 - e. The VOC and HAP emission calculations for the calendar month using data collected and test resultsThese records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-210.370(2)(h), F.A.C., and Rule 2.301, JEPB]
17. The twelve-month rolling total of VOC and HAP emissions shall be calculated monthly. These records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]
18. The permittee shall submit quarterly reports to the Permitting Authority of the monthly records produced for the afterburner temperature, material usage, emission calculations, and the twelve-month rolling total of VOC and HAP emissions. The quarterly reports shall be submitted by the 30th day of the month following the end of each quarter (January - March, April - June, July - September, and October - December).
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]

Emission Unit 003 – Heidelberg Web Systems Lithographic Offset Non-Heatset Printing Press V30

Emission Unit Description: Paper roll stock is directed to the offset printing press as a continuous web. Upon completion of the application of the printing ink the web is air-dried.

Control Device: None

Essential Potential to Emit (PTE) Parameters

1. This EU is permitted to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. This EU's maximum printing process rate is limited to 610 lbs/hr of ink, one (1) gal/hr (6.8 lbs/hr of VOC) of blanket wash, and one (1) gal/hr (1.75 lbs/hr of VOC) of fountain solution.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]
3. This EU's VE is limited to less than 20% opacity.
[Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]
4. This EU's maximum VOC emissions are limited to 49 TPY.
[Applicant's request, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance for VE shall be conducted in accordance with EPA RM 9 (as described in 40CFR60, Appendix A).
[Rule 62-296.320(4)(b)4.a, F.A.C., and Rule 2.1101, JEPB]
6. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2, F.A.C., and Rule 2.1201, JEPB]
7. Testing for demonstration of compliance for VE shall be conducted upon Permitting Authority request.
[Rule 62-297.310(7)(a)4, F.A.C., and Rule 2.1201, JEPB]

Recordkeeping and Reporting

8. The permittee shall produce monthly records for the following:
 - a. The quantity and type of inks applied (pounds per month)
 - b. The VOC and HAP content of inks applied (% by weight)
 - c. The quantity of fountain solution, blanket wash, clean-up and wash-up solvent/thinner usage (pounds per month)
 - d. The VOC and HAP content of fountain solution, blanket wash, clean-up and wash-up solvent/thinner (% by weight)
 - e. The VOC and HAP emission calculations for the calendar month using data collectedThese records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-210.370(2)(h), F.A.C., and Rule 2.301, JEPB]

9. The twelve-month rolling total of VOC and HAP emissions shall be calculated monthly. These records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]
10. The permittee shall submit quarterly reports to the Permitting Authority of the monthly records produced for material usage, emission calculations, and the twelve-month rolling total of VOC and HAP emissions. The quarterly reports shall be submitted by the 30th day of the month following the end of each quarter (January - March, April - June, July - September, and October - December).
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]

Emission Unit 005 – Goss International Lithographic Offset Heatset Printing Press M600 and Heidelberg Web Systems Lithographic Offset Heatset Printing Press 8

Emission Unit Description: Goss International Press M600 - Paper roll stock is directed to the offset printing press as a continuous web. Upon completion of the application of the printing ink the web is directed through two dual deck drying ovens to cure the heatset inks. The web is dried by hot air generated in the dual deck drying ovens which are each fired by a natural gas burner.

Heidelberg Press 8 - Paper roll stock is directed to the offset printing press as a continuous web. Upon completion of the application of the printing ink the web is directed through a single drying oven to cure the heatset inks. The web is dried by hot air generated in the drying oven which is fired by two natural gas fired burners.

Control Device: Regenerative Thermal Oxidizer (RTO) [Tann Corporation, Model No. TR1394C]

Essential Potential to Emit (PTE) Parameters

1. Goss International Press M600 – This printing press’s maximum process rate is limited to 640 lbs/hr of ink, 10 gal/hr (68 lbs/hr of VOC) of blanket wash, and 10 gal/hr (17.5 lbs/hr of VOC) of fountain solution.

Heidelberg Press 8 – This printing press’s maximum process rate is limited to 600 lbs/hr of ink, 11 gal/hr (74.8 lbs/hr of VOC) of blanket wash, and 11 gal/hr (19.25 lbs/hr of VOC) of fountain solution.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

Emission Limitations and Standards

2. Each printing press is permitted to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]
3. Goss International Press M600 - This printing press’s maximum heat input to the dryer burners is limited to 6.0 MMBtu/hr firing natural gas.

Heidelberg Press 8 - This printing press’s maximum heat input to two dryer burners is limited to 4.0 MMBtu/hr firing natural gas.

Tann RTO – The maximum heat input to the RTO is limited to 2.0 MMBtu/hr firing natural gas and/or evaporated VOCs.
[Rule 62-210.200(PTE), F.A.C., and Rule 2.301, JEPB]

4. This EU's VE is limited to less than 20% opacity.
[Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB]
5. This EU's maximum VOC emissions are limited to 25 TPY.
[Applicant's request, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
6. The minimum VOC destruction efficiency of the RTO shall be 95% and the minimum VOC capture efficiency shall be 100%. The minimum temperature at the outlet of the RTO shall be maintained at 1400 degrees Fahrenheit. This temperature shall be maintained during all periods of press operation including, but not limited to, blanket wash operations.
[Applicant's request, Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance for VE shall be conducted in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40CFR60, Appendix A).
[Rule 62-296.320(4)(b)4.a, F.A.C., and Rule 2.1101, JEPB]
8. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2, F.A.C., and Rule 2.1201, JEPB]
9. Testing for demonstration of compliance for VE shall be conducted annually from the date of January 1, 2013.
[Rule 62-297.310(7)(a)4, F.A.C., and Rule 2.1201, JEPB]
10. Testing for demonstration of compliance for VOC destruction efficiency shall be conducted in accordance with EPA RM 25A (as described in 40CFR60, Appendix A).
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
11. VOC mass flow rate and VOC concentrations at the inlet and outlet of the RTO shall be measured simultaneously to determine the percent reduction of VOC across the RTO.
[Rule 62-4.070(3), F.A.C., and Rule 2.1401, JEPB]
12. Testing for demonstration of compliance for VOC destruction efficiency shall be conducted every five years from the date of January 1, 2013.
[Rule 62-297.310(7)(a)3, F.A.C., and Rule 2.1201, JEPB]
13. Testing for demonstration of compliance for VOC capture efficiency shall be conducted in accordance with applicable EPA RM's (204 thru 204F as described in 40CFR51, Appendix M).
[Rule 62-297.440(7), F.A.C., and Rule 2.1201, JEPB]
14. Testing for demonstration of compliance for VOC capture efficiency shall be conducted every five years from the date of January 1, 2013.
[Rule 62-297.310(7)(a)3, F.A.C., and Rule 2.1201, JEPB]

Recordkeeping and Reporting

15. The permittee shall install, calibrate, maintain, and operate a continuous temperature measurement and recording device for measuring and recording the temperature at the outlet of the RTO. These records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]

16. The permittee shall produce monthly records for the following:
 - a. The quantity and type of inks applied (pounds per month)
 - b. The VOC and HAP content of inks applied (% by weight)
 - c. The quantity of fountain solution, blanket wash, clean-up and wash-up solvent/thinner usage (pounds per month)
 - d. The VOC and HAP content of fountain solution, blanket wash, clean-up and wash-up solvent/thinner (% by weight)
 - e. The VOC and HAP emission calculations for the calendar month using data collected and test resultsThese records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-210.370(2)(h), F.A.C., and Rule 2.301, JEPB]
17. The twelve-month rolling total of VOC and HAP emissions shall be calculated monthly. These records will be retained for a minimum period of five (5) years from the date created.
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]
18. The permittee shall submit quarterly reports to the Permitting Authority of the monthly records produced for the afterburner temperature, material usage, emission calculations, and the twelve-month rolling total of VOC and HAP emissions. The quarterly reports shall be submitted by the 30th day of the month following the end of each quarter (January - March, April - June, July - September, and October - December).
[Rule 62-4.070, F.A.C., and Rule 2.1401, JEPB]