

## Compliance Certification for Lithographic Printing Facilities Reasonably Available Control Technology (RACT) Rule

*NOTE: This compliance certification is due by July 1, 2010 to demonstrate compliance with s. NR 422.143, Wis. Adm. Code, the new RACT requirements.*

### Facility Information

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Facility Name

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Facility ID Number

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Facility Street Address

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City

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State

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Zip Code

### *Does this apply to you?*

If you can answer "No" to either of the applicability questions, then you are not required to submit this certification. If this does not apply to you, keep a copy of this page and any documentation of the emissions calculations if you answered "No" to #2.

### Applicability Questions

1. Is your lithographic printing facility located in Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Washington or Waukesha County?

- Yes  
 No

2. Do you have actual VOC emissions from all lithographic printing presses, including related lithographic cleaning activities and fountain solution use at the facility, before consideration of controls, equal or exceed 3 tons on a 12 consecutive month rolling basis?

- Yes  
 No

If you have answered "Yes" to both applicability questions, proceed with the Certification Checklist questions.

***Compliance Checklist***

*Printing facilities must be in compliance with the requirements as of May 1, 2010, or upon start up for new sources.*

***Exemptions (All Presses)***

3. Any lithographic press with a total fountain solution reservoir of less than one gallon is exempt from the fountain solution requirements. Do all lithographic presses in your facility have fountain solution reservoirs with less than one gallon? If Yes, you may skip questions 4, 6, 9, 15, and 17a and b. If you have even one fountain solution reservoir greater than one gallon, answer "NO" and answer those questions for the presses that are not exempt.

- Yes  
 No → If any, which presses are exempt (name, type, emission unit (P01), etc.)?

\_\_\_\_\_

\_\_\_\_\_

***Nonheatset Web Presses***

Do you have nonheatset press(es)? If no, skip #4.

- Yes → Provide nonheatset press IDs (name, units, size emission unit (P01) etc.)

\_\_\_\_\_

- No

**Fountain Solution**

4. Do you meet the following limit on all non-exempt non-heatset web presses?

- use a fountain solution which contains no restricted alcohol and which has a VOC content, as applied, of no more than 5.0% by weight

- Yes  
 No

***Sheet-fed Presses***

Do you have sheet-fed press(es)? If no, skip #5-6.

- Yes → Provide sheet-fed press IDs (name, units, size emission unit (P01) etc.)

\_\_\_\_\_

- No

**Exemptions**

5. Sheet-fed presses with a maximum sheet size of up to 11 inches by 17 inches are exempt from the fountain solution requirements. Do all sheet-fed presses at your facility meet this exemption? If Yes, you may skip #6 for those presses.

- Yes → Which presses are exempt (name, units, size emission unit (P01), etc.)?

\_\_\_\_\_

- No

Fountain Solution

6. Do you meet at least one of the following limits on all non-exempt sheet-fed lithographic presses?

- Use a fountain solution which has a VOC content, as applied, of no more than:
  - 5.0% by weight, or
  - 8.5% by weight if the fountain solution is refrigerated to 60° F or less.

- Yes  
 No
- 

*Heatset Presses*

Do you have heatset press(es)? If no, skip #7-13.

- Yes → Provide heatset press IDs (name, units, size emission unit (P01) etc.)

- No
- 

Exemptions

7. The printing of books on any heatset lithographic press is exempt from the requirements in #9-13. Do you print books on heatset lithographic presses? If yes, skip #9-13 for those presses.

- Yes → Which presses are exempt (name, units, size emission unit (P01) etc.)?

- No
- 

8. Printing on heatset lithographic presses with a maximum web width of up to 22 inches are exempt from the requirements in #9-13. Do you have any heatset presses with a web width no more than 22 inches? If yes, skip #9-13 for those presses.

- Yes → Which presses are exempt (name, units, size emission unit (P01) etc.)?

- No
- 

Emission Limitations - Fountain Solution

9. Do you meet at least one of the following limits on all non-exempt heatset web presses?

- Use a fountain solution which has a VOC content, as applied, of no more than:
  - 1.6% by weight if the fountain solution contains any restricted alcohol and is not refrigerated to 60° F or less
  - 3.0% by weight if the fountain solution contains any restricted alcohol and is refrigerated to 60° F or less
  - 5.0% by weight if the fountain solution contains no restricted alcohol

- Yes  
 No

Emissions Limitations - Dryer Exhaust

10. Do you have a lithographic press that has maximum theoretical emissions of VOCs, from the dryer, equal to or greater than 25 tons per year from heatset inks? If no, skip #11-13.

- Yes  
 No

11. If yes to #10, do you meet the following control requirements for your dryer exhaust where they apply to your press/operation?

- If the emission control device was first installed prior to May 1, 2010, the owner or operator shall reduce VOC emissions from the lithographic press dryer exhaust by 90% by weight as carbon, minus methane and ethane, or maintain a maximum dryer exhaust outlet VOC concentration of 20 ppmv, as carbon, minus methane and ethane.
- If the emission control device was first installed after May 1, 2010, the owner or operator shall reduce VOC emissions from the lithographic press dryer exhaust by 95% by weight as carbon, minus methane and ethane, or maintain a maximum dryer exhaust outlet VOC concentration of 20 ppmv, as carbon, minus methane and ethane.

- Yes  
 No

#### Recordkeeping

12. To demonstrate compliance with the requirements outlined here, have you established a method to record the following information?

- For a heatset web lithographic printing press using a control device, for each day of operation:
  - Control device monitoring data in accordance with s. NR 439.055.
  - A log of operating time for the control device, monitoring equipment and the associated printing line or operation.
  - A maintenance log for the control device and monitoring equipment detailing all routine and non-routine maintenance performed and including dates and duration of any outages.

- Yes  
 No

#### Compliance Demonstration

*"A compliance emission test performed in accordance with s. NR 439.07 no more than 2 years prior to the compliance deadline, which demonstrates compliance with the "Emission Limitations - dryer exhaust" section, is acceptable as a demonstration of compliance in accordance with the "Compliance Testing" section."*

13. Indicate the date of compliance demonstration test being used to demonstrate compliance (must be between May 1, 2008 and May 1, 2010) or enter proposed date for completing future compliance test (only if dryer installed after May 1, 2010 - allowed 180 days after installation):

- Date of previous compliance demonstration test: \_\_\_\_ / \_\_\_\_ / \_\_\_\_
- Date of future compliance test, proposed/planned: \_\_\_\_ / \_\_\_\_ / \_\_\_\_
- I do not have any heatset lithographic printing presses that use a control device

### *All Facilities and Presses*

#### Work Practices

14. Are you in compliance with the following Work Practice Standards?

- Store all solvents, solvent solutions and any applicator moistened with solvents or solvent solutions that are used in cleaning operations related to lithographic printing in covered non-absorbent, non-leaking containers, except when filling or emptying the container [required as of 11/1/09].

- Yes  
 No

Temperature Monitoring - Fountain Solutions

15. If you are affected by any of the "Emissions Limitations - Fountain Solutions" requirements and must refrigerate your fountain solution (e.g., 8.5% VOC content for sheetfed presses and 3% restricted alcohol content for web presses), are you in compliance with the temperature monitoring requirements?

- Monitor, at least once each 8-hour shift, the temperature of each fountain solution reservoir for any fountain solution subject to maximum temperature limits.
- Yes  
 No  
 Not Applicable

Emissions Limitations - Blanket or Roller wash

16. Do you meet at least one the following limits for your blanket or roller wash? [NOTE: You may use up to 110 gallons of blanket or roller wash, on a 12-consecutive month rolling basis, with VOC content or vapor pressure above these limits.]

- A VOC content of no greater than 30% by weight
  - A composite vapor pressure of less than or equal to 10 mm of Hg at 20°C (68°F)
- Yes  
 No  
 Not Applicable

Recordkeeping

17. To demonstrate compliance with the requirements, have you established a method to record the following information?

- a. For fountain solutions monitored under the "Temperature Monitoring" section, record the fountain solution reservoir temperature for each 8-hour shift of operation.

- Yes  
 No  
 Not Applicable

- b. For each fountain solution used, record the percent by weight VOC content as applied, and the CAS number and chemical name of each restricted alcohol.

- Yes  
 No  
 Not Applicable

- c. For each blanket or roller wash, record the percent by weight VOC content as applied or the composite partial vapor pressure, as appropriate, in measurement units consistent with the applicable emission limitation.

- Yes  
 No  
 Not Applicable

- d. For each month of operation, record the volume of all blanket or roller wash used which does not meet the emission limitations in the "Emission Limitations - blanket or roller wash" section.

- Yes  
 No  
 Not Applicable

***Compliance Certification Statement***

*The owner or operator of an existing heatset web lithographic printing press shall submit to the department, no later than July 1, 2010, written certification that the press is in compliance with the applicable requirements of the "Emission Limitations-dryer exhaust", "Emission Limitations-fountain solution", "Emission Limitations-blanket and roller wash", "Work Practices" and "Temperature Monitoring" that apply to their operation. [Non-web heatset lithographic presses are not required to certify compliance, but should still have records available to demonstrate compliance upon request.]*

I have reviewed this facility's compliance status with respect to the requirements specified in this compliance certification. Based on information and belief formed after reasonable inquiry, I certify below that the statements and information in this document are true, accurate and complete.

Print or type the name and title of the Responsible Official for the facility:

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(Name)

(Title)

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(Signature of Responsible Official)

(Date)

A Responsible Official can be:

- the president, vice-president, secretary, or treasurer of the company that owns the facility;
- the owner of the facility;
- the facility engineer or supervisor;
- a government official if the facility is owned by the Federal, State, City, or County government; or
- a ranking military officer if the facility is located on a military base.

Submit this form to your Regional Office. A list of Regional Offices and their addresses can be found at: <http://dnr.wi.gov/air/pdf/AMStaffDir.pdf>.

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