



PRINTING OPERATIONS



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/DISCOVERY (CI)
 RE-INSPECTION (FUI) ARMS COMPLAINT NO:

AIRS ID#: 0951269 **DATE:** 3/24/08 **ARRIVE:** 3:00 PM **DEPART:** 5:00 PM

FACILITY NAME: MORAN PRINTING FACILITY

FACILITY LOCATION: 9125 BACHMAN RD
ORLANDO 32824

OWNER/AUTHORIZED REPRESENTATIVE: KEN NADEAU **PHONE:** (407)515-1199

CONTACT NAME: **PHONE:**

ENTITLEMENT PERIOD: 2/22/2007 / 2/22/2012
(effective date) (end date)

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: ELIGIBILITY REQUIREMENTS – Rule 62-210.300, F.A.C.
(check appropriate box(es))

CATEGORICAL & CONDITIONAL EXEMPTION CRITERIA – Rule 62-210.300 (3) (a) 37., F.A.C.

1. Is the facility subject to any unit-specific applicable requirement?;----- Yes No N/A

2. Does the facility use less than 667 gallons of materials containing any hazardous air pollutants (HAPS) In any consecutive twelve (12) months?;----- Yes No

and,

3. Does the facility operate:

(I) ...only **heatset offset lithographic printing** lines and use less than 20,000 pounds combined, of ink, cleaning solvent & fountain solution additives in any consecutive twelve (12) months?;---- Yes No N/A

(II) ...only **non-heatset offset lithographic printing** lines and use less than 2,850 gallons, combined, of cleaning solvent and fountain solution additives in any consecutive twelve (12) months?; Yes No N/A

(III) ...only **digital printing** lines and use less than 2,425 gallons, combined, of solvent based inks, Clean-up solutions and other solvent-containing materials in any consecutive twelve (12) months?;----- Yes No N/A

(IV) ...only **screen** or **letterpress printing** lines and use less than 2,850 gallons combined of solvent based inks, clean-up solutions and other solvent-containing materials in any consecutive twelve (12) months?;----- Yes No N/A

(V) ...only **water-based or ultraviolet-cured-material flexographic or rotogravure printing** lines and use less than 80,000 pounds, combined, of water-based inks, coatings, and adhesives in any consecutive twelve (12) months?; or----- Yes No N/A

(VI) ...only **solvent-based material flexographic or rotogravure printing** lines and use less than 20,000 pounds, combined, of inks, dilution solvents, coatings, cleaning solutions, and adhesives in any consecutive twelve (12) months?----- Yes No N/A

PART II: ELIGIBILITY REQUIREMENTS – Rule 62-210.300, F.A.C. (continued)
(check appropriate box(es))

GENERIC EMISSIONS UNIT EXEMPTION CRITERIA – Rule 62-210.300 (3) (b)1., F.A.C.

- 1. Is the facility subject to any unit-specific applicable requirement?----- Yes No N/A
- 2. Does this facility emit or have the potential to emit:
 - (i) 500 pounds per year or more of lead and lead compounds expressed as lead?----- Yes No N/A
 - (ii) 1000 pounds per year or more of any hazardous air pollutant?----- Yes No N/A
 - (iii) 2,500 pounds per year or more of total hazardous air pollutants?; or----- Yes No N/A
 - (iv) 5.0 tons per year or more of any other regulated pollutant?----- Yes No N/A

GENERIC FACILITY EXEMPTION CRITERIA – Rule 62-210.300 (3) (b)2., F.A.C.

- 1. Is the facility subject to any unit-specific applicable requirement?----- Yes No N/A
- 2. Does this facility emit or have the potential to emit:
 - (i) 1000 pounds per year or more of lead and lead compounds expressed as lead?----- Yes No N/A
 - (ii) 1.0 ton per year or more of any hazardous air pollutant?----- Yes No N/A
 - (iii) 2.5 tons per year or more of total hazardous air pollutants?----- Yes No N/A
 - (iv) 25 tons per year or more of carbon monoxide, nitrogen oxides and sulfur dioxide?; or----- Yes No N/A
 - (v) 10 tons per year or more of any other regulated pollutant?----- Yes No N/A

PART III: AIR GENERAL PERMITS – Rule 62-210.310, F.A.C.

(check appropriate box(es))

GENERAL PROCEDURES – Determination of Eligibility – Rule 62-210.310(2)(a)1. and 2., F.A.C.

- 1. Does this facility emit or have the potential to emit:
 - a) ten (10) tons per year or more of any hazardous air pollutant?----- Yes No N/A
 - b) twenty-five (25) tons per year or more of any combination of hazardous air pollutants?; or----- Yes No N/A
 - c) one hundred (100) tons per year or more of any other regulated air pollutant?----- Yes No N/A
- 2. Has this facility:
 - a) been collocated with, or relocated to such a facility as described in question #1. a), b), or c) above?;----- Yes No N/A
 - b) created such a facility in combination with any other collocated facilities, emission units, or pollutant-emitting activities, including any such facility, emission unit, or activity that is otherwise exempt from air permitting?----- Yes No N/A
- 3. Does this facility contain:
 - a) any emission units or activities not covered by the applicable air general permit with the exception of units and activities that are exempt from permitting pursuant to subsection Rule 62-210.300(3), F.A.C., or Rule 62-4.040, F.A.C.?;----- Yes No N/A
 - b) any emission units or activities authorized by another air general permit where such other air general permit and the air general permit of interest specifically allow the use of one another at the same facility?----- Yes No N/A

GENERAL PROCEDURES – Initial Registration/Re-registration – Rule 62-210.310(2)(b), F.A.C.

- 1. Has the owner or operator of this facility completed and submitted the proper registration form to the Department for the specific air general permit to be used?;----- Yes No N/A
- 2. Does this facility have a current valid air general permit (entitlement to operate)?;----- Yes No N/A
- 3. Has there been a change of ownership of all or part of the facility?;----- Yes No N/A
- 4. Have there been any new administrative, construction, modification, or equipment changes that require a re-registration?----- Yes No N/A

PART III: AIR GENERAL PERMITS – Rule 62-210.310, F.A.C. (continued)

(check appropriate box(es))

GENERAL CONDITIONS – Rule 62-210.310(3), F.A.C.

- 1. Does the air general permit registration form contain all current information regarding the facility?;----- Yes No N/A
- 2. Has the owner or operator allowed the circumvention of any air pollution control device, or allowed the emission of air pollutants without the proper operation of all applicable air pollution control devices?;----- Yes No N/A
- 3. Does the owner or operator:
 - a) maintain the authorized facility in good condition?;----- Yes No N/A
 - b) ensure that the facility maintains its eligibility to use the air general permit and complies with all

- terms and conditions of the air general permit?;----- Yes No N/A
4. Has the owner or operator allowed you, as the duly authorized representative of the Department, access to the facility at reasonable times to inspect and test and to determine compliance with the air general permit and Department rules?----- Yes No N/A

PART IV: SPECIFIC CONTROL/OPERATING/RECORDKEEPING CRITERIA – Rule 62-210.310(4)(f), F.A.C.

(check appropriate box(es))

SPECIFIC CONDITIONAL EXEMPTION REQUIREMENTS FROM TITLE V AIR PERMITTING

1. Does the facility have any other air general permits?;----- Yes No N/A
2. Is this printing operation subject to any unit-specific applicable requirement?;----- Yes No N/A

*Answer questions 3. a), b), & c), and 4. below if the facility uses the **mass balance approach** to calculate emissions. If the **materials usage limitation approach** is used, skip questions 3. and 4. below and proceed to question 5.*

Mass Balance Approach

3. Does the facility emit:
- a) ...eighty (80) tons or more of VOC's?;----- Yes No N/A
- b) ...eight (8) tons or more of any individual HAP?;----- Yes No N/A
- c) ...or twenty (20) tons or more of any combination of HAP's in any consecutive twelve (12) months?;----- Yes No N/A
4. Does the facility rely upon add-on controls to meet any of the above limitations in a), b), or c)?; Yes No N/A

Materials Usage Limitation Approach

5. In any consecutive twelve (12) months, does the facility use less than:
- a) ...thirteen hundred and thirty-three (1,333) gallons of materials containing hazardous air pollutants (HAP's)?;----- Yes No N/A

and (choose only one category below, I thru VI, or VII).

- I. ...Operate only **heatset offset lithographic printing** lines and use less than 100,000 pounds of ink, cleaning solvent, and fountain solution additives combined?;----- Yes No N/A
- II. ...Operate only **non-heatset offset lithographic printing** lines and use less than 14,250 gallons of cleaning solvent and fountain solution additives combined?;----- Yes No N/A
- III. ...Operate only **digital printing** lines and use less than 12,100 gallons of solvent based inks, clean-up solutions and other solvent-containing materials combined?;----- Yes No N/A
- IV. ...Operate only **screen** or **letterpress printing** lines and use less than 14,250 gallons of solvent based inks, clean-up solutions and other solvent-containing materials combined?;----- Yes No N/A

PART IV: SPECIFIC CONTROL/OPERATING/RECORDKEEPING CRITERIA – Rule 62-210.310(4)(f), F.A.C.

(check appropriate box(es))

SPECIFIC CONDITIONAL EXEMPTION REQUIREMENTS FROM TITLE V AIR PERMITTING (continued)

- V. ... Operate only water-based or ultraviolet-cured material flexographic or rotogravure printing lines and use less than 400,000 pounds of water-based inks, coatings and adhesives, combined?; Yes No N/A
- VI. ...Operate only solvent-based material flexographic or rotogravure printing lines and use less than 100,000 pounds of inks, dilution solvents, coatings, cleaning solutions and adhesives, combined?;----- Yes No N/A
- or;
- VII. ... Operate any combination of heatset lithographic, non-heatset lithographic, digital, screen or letterpress, rotogravure or flexographic printing lines and use no more than the most stringent of the material usage limitations contained in sub-sub-subparagraphs 62-210.310(4)(f)2.b.(I) through (VI), F.A.C., for the type of printing lines at the facility. For purposes of determining which limit is the most stringent, the pounds of materials used for heatset offset lithographic lines and flexographic lines shall be converted to the equivalent gallons by dividing by 8.5 pounds per gallon and shall be compared with the limits for non-heatset offset lithographic, digital, screen and letterpress lines, as applicable, for the type of printing lines at the facility. The most stringent limit shall apply to the total of all solvent-containing material used?;----- Yes No N/A

(Refer to the chart & information below to identify the Printing Process combination(s) and to determine the most stringent limit for the combination(s) chosen.)

<u>PRINTING PROCESS</u>		<u>INDIVIDUAL PROCESS LIMITS (IPL)</u>	<u>STRINGENT LIMITS FOR COMBINATIONS (SLC)</u> (SLC = IPL* ÷ 8.5 lbs/gal.**)
#1	Heatset Offset Lithographic	100,000 lbs.*	11,765 gals.**
#2	Non-heatset Offset Lithographic	14,250 gals.	14,250 gals
#3	Digital	12,100 gals.	12,100 gals.
#4	Screen or Letterpress	14,250 gals.	14,250 gals
#5	Water-based or UV cured Rotogravure or Flexographic	400,000 lbs.*	47,059 gals.**
#6	Solvent-based Rotogravure or Flexographic	100,000 lbs*	11,765 gals**

(Example: If you were a printer and your combination printing processes included both **Printing Process numbers two (2) and five (5)**, then the most stringent limit shall apply to the total of all solvent-containing material used. In this example, the individual **Stringent Limit for Combinations (SLC)** for each process is **14.250 gals. and 47.059 gals..** respectively. Therefore, the most stringent limit for this combination would

6. Does the facility 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.)----- Yes No N/A

Norma Ali and Bill Rhodes

3/24/08

Inspector's Name (Please Print)

Date of Inspection

3/24/09

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: Inspectors Norma Ali and Bill Rhodes from Orange County EPD, met with Ken Nadeau, Facilities Manager and Rob Herbst of Moran Printing on March 24, 2008 and conducted a walk-through inspection and records audit. Moran Printing operates 14 non-heatset offset presses. VOC are released directly into the building from the ink and blanket wash solutions. The emissions are ducted via outside ventilation fans.

All cleaning materials and inks are stored in tightly sealed containers. A puddle of oil was observed on the Solvents Room floor, by the waste oil drum, which was also missing a label to identify contents. A roll of cloth was around the drum, possibly trying to content the spill/leak. Mr. Nadeau, requested to one of the facility employees to take care of the spill immediately. This incident was reported to the SQG Section. Donna Hynes was assigned to inspect the facility. On March 27, 2008 the SQG inspector visited the facility and found everything in compliance.

MSDS sheets are available both on hard copy and electronically.

On January 9, 2007 Moran Printing applied for a Printing Operations Air General Permit and surrendered the existing Air Operation Permit 0951269-001-AF. The entitlement date for Moran Printing general permit number 0951269-002-AG is February 21, 2007.

The facility was not to exceed 80 tons of VOC, 8 tons of any individual hazardous air pollutant, or 20 tons or more of any combination of hazardous air pollutants in any consecutive twelve months. The highest consecutive 12-month total of VOC was 24.81 during September 2007, which is below permit limit. The highest consecutive 12-month total for individual HAP was Xylene with 1.29 tons, during January 2008, which is below permit limit. The highest consecutive 12-month total for combined HAP was 3.25 tons during January 2008, which is below permit limit. No objectionable odors were noted at the time of inspection.

