

**PRINTING OPERATIONS
AIR GENERAL PERMIT REGISTRATION FORM**

RECEIVED

APR 10 2012

Part II. Notification to Permitting Office
(Detach and submit to appropriate permitting office; keep copy onsite)

DIVISION OF AIR
RESOURCE MANAGEMENT

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (*\$100 as of the effective date of this form*)

1170390-010

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Taylor Corporation 1725 Roe Crest Drive, North Mankato, MN 56002

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Progressive Communications

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 1001 Sand Pond Road

City: Lake Mary

County: Seminole

Zip Code: 32746

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
FINANCE & ACCOUNTING
REVENUE
2012 APR -9 PM 1:47

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)
N/A

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 APR -9 PM 1:47
FINANCE & ACCOUNTING
REVENUE

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Gabriel Hernandez, President

Owner/Authorized Representative Mailing Address

Organization/Firm: Progressive Communications

Street Address: 1001 Sand Pond Road

City: Lake Mary

County: Seminole

Zip Code: 32746

Owner/Authorized Representative Telephone Numbers

Telephone: 407-333-9500

Fax:

Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Gabriel Hernandez, President

Facility Contact Mailing Address

Organization/Firm: Progressive Communications

Street Address: 1001 Sand Pond Road

City: Lake Mary

County: Seminole

Zip Code: 32746

Facility Contact Telephone Numbers

Telephone: 407-333-9500

Fax: 407-333-7979

Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.


Signature

4/6/12
Date

Printing Process/InkType(s)

Check all that apply:

- Heatset Offset Lithographic
- Screen or Letterpress
- Flexographic

- Non-Heatset Offset Lithographic
- Water Based
- Rotogravure

- Digital
- Ultraviolet Cured

Compliance Assurance - Initial Registration (Not Required for Re-Registration)

Below, or as an attachment to this form, provide the method (mass balance or material usage rates) expected to be used to demonstrate compliance with Rule 62-210.310(4)(f)2., F.A.C. Provide the estimated amount of materials containing hazardous air pollutants and solvent-containing materials expected to be used over a 12-month period.

[Empty box for compliance assurance details]

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 APR -9 PM 1:47
FINANCE & ACCOUNTING
REVENUE

Compliance Determination - Re-Registration (Not Required for Initial Registration)

Below, or as an attachment to this form, provide the highest 12-month total quantity of materials containing hazardous air pollutants and the highest 12-month total quantity of solvent-containing materials used in the last five years to show compliance with sub-subparagraph 62-210.310(4)(f)2.b., F.A.C. (material usage rates) or provide all calculations to show compliance with sub-subparagraph 62-210.310(4)(f)2.a., F.A.C. (mass balance). The most recent period of emissions (March 2011 through February 2012) showed 10.31 tons of VOC emissions and 0.24 tons of combined HAP emissions. The addition of a Heidelberg CD102 6 color press with coater is expected to add 8.74 tons of VOC emissions and 0.04 tons of combined HAP emissions - well within our general permit limits of 80 tons VOC and 20 tons combined HAP per 12 month period. See attached calculations for most recent emissions period and Heidelberg CD102 6 color press with coater emissions estimate.

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 APR -9 PM 1:47
FINANCE & ACCOUNTING
REVENUE

Description of Facility

Below, or as an attachment to this form, provide a description of the printing operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Information should include a description of the number and types of printing processes, presses and ink systems being used at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Existing Equipment

Press Room

Heidelberg Speedmaster XL105-6+L Sheetfed Offset Press Serial #FS000511
Heidelberg Speedmaster SM102-5P3 Sheetfed Offset Press Serial #540356
Halm Industries Envelopemaster EM4315 Sheetfed Offset Press Serial EM57019
Halm Industries Jet Press JP TWOD P Sheetfed Offset Press Serial 1834R
Halm Industries Jet Press JP TWOD 6D Sheetfed Offset Press Serial 3170
Man Roland 700 Sheetfed Offset Press Serial 840-31936B
Dainipoppon Screen Plate Burner CP-310 Serial 84080-3515
FMA Corp UV Coater RCS16UVC Serial 1306-0707

Pre-Press

(2) Kodak Trendsetter 800 Quantum V Platesetters Serial TE608 and TE054
(2) Kodak Polychrome Sword Excel Platesetters Serial 1393/ne34 and 1395/ne34

Proposed Addition

Press Room

Heidelberg 102 CD 6 Color Sheetfed Offset Press with Coater

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 APR -9 PM 1:47
FINANCE & ACCOUNTING
REVENUE

RECEIVED

APR 10 2012

**DIVISION OF AIR
RESOURCE MANAGEMENT**

2012 Annual Operating Report
Progressive Communications
Lake Mary, FL
Facility ID# 1170390

TABLE 1
Air Emissions Summary

March 2011 Through Feb 2012	Total (lbs/yr)	Total (tons/yr)
VOC (Inks)	3,154.90	1.5774
VOC (Solvents)	16,995.80	8.4979
VOC (Pre-Press)	472.06	0.2360
VOC (Total)	20,622.75	10.3114
Acetaldehyde	0.05	0.0000
Acrylic Acid	4.36	0.0022
Cumene	1.24	0.0006
Diethanolamine	75.95	0.0380
Ethyl Benzene	3.40	0.0017
Glycol Ethers	231.42	0.1157
Hexane	3.77	0.0019
Methanol	24.40	0.0122
Methylene Chloride	16.51	0.0083
Naphthalene	80.58	0.0403
Styrene	1.54	0.0008
Toluene	0.00	0.0000
Triethylamine	16.17	0.0081
Xylene	11.46	0.0057
Total HAPS	470.85	0.2354

Throughputs	Total (lbs/yr)	Total (tons/yr)
Solvent and Miscellaneous	6,864.91	3.4325
Ink and Coating	168,214.04	84.1070
Pre-Press	8,383.97	4.1920

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
2012 APR -9 PM 1:47
FINANCE & ACCOUNTING
REVENUE

Progressive Communications

Press Description	Ink ¹				Coatings ²				Fountain Solution ³				Solvent ⁴						VOC Total			HAP Total							
	Usage (lbs/yr)	Operation (hrs/yr)	Usage (lbs/hr)	VOC Content (% wt)	Substrate Retention Factor	VOC Emissions (lbs/hr)	Usage (lbs/yr)	Usage (lb/hr)	VOC Content (% wt)	VOC Emissions (lbs/hr)	Usage (gal/hr)	Density (lbs/gal)	Usage (lbs/hr)	VOC Content (% wt)	VOC Emissions (lbs/hr)	Usage (gal/yr)	Usage (gal/hr)	Density (lb/gal)	Usage (lbs/hr)	VOC Content (% wt)	VOC Emissions (lbs/hr)	naphthalene Content (% wt)	naphthalene Emissions (lbs/hr)	Press Total (lbs/hr)	Actual Hrs/Yr	Actual Press Total (lbs/yr)	Press Total (lbs/hr)	Potential Hrs/Yr	Potential Press Total (lbs/yr)
Heidelberg CD 102.6 Color Press with Coater	16034.2500	7488.00	2.14	31%	95.00%	0.0332	80749.0000	10.7638	5.56%	0.5996	0.0140	8.08	0.10	0.00%	0.0000	1315.62	0.24	7.00	1.70	100.00%	1.70	0.61%	0.01	2.3335	7488	17473.4153	0.0104	7488	77.6850
																								8.7367				0.0388	

Actual chemical usages based on one year of actual chemical usage in plant and allocated to the presses based on equipment in place June 2008.

¹ Highest VOC ink used for estimates - Superior Inks

² Potential to Emit Operation of 8760 Hours

³ Inks listed as follows: Superior Ink 31% VOC

⁴ Coatings listed as follows: Nicolat #1484 Water Base Texture Coat - 5.56% VOC (Worst Case)

⁵ Fountain Solutions listed as follows: Mitsubishi SLM-OD Fountain Solution 0% VOC

⁶ Fountain Solution Additives Listed as follows: None

⁷ Solvents listed as follows: Day V-60 Blanket Wash 98% VOC, 0.61% Naphthalene

⁸ estimates taken from calculations done in 2008 for existing Heidelberg 8 color SM102 press at CGC a sister company. This press is assumed to have very similar emissions and would use similar or the same products. Usage estimate reduced by 25% to reflect difference between 8 color and 6 color press

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 2012 APR -9 PM 1:47
 FINANCE & ACCOUNTING
 REVENUE