



Compliance Calendar for Florida Printer Operations

2022

This calendar is designed to assist printing operation members with tracking of material usage and compliance assistance. It summarizes environmental regulations and provides a place for you to keep required records. Keep these records at your facility for five years.

Provided by: Small Business Environmental Assistance Program, DEP

Environmental Regulations

This record keeping calendar is for compliance assistance purposes only. It is not official rule language. Please refer to Chapter 62-210 of the Florida Administrative Codes (F. A. C.), for complete and up-to-date rule language at:

<https://www.flrules.org/gateway/ChapterHome.asp?Chapter=62-210>

When properly used, this calendar satisfies the Air General Permit record keeping requirements for eligible printing operations. Printing Operations which are exempt from permitting may utilize this calendar for tracking material usage to verify or substantiate continued exemption.

The owner/operator or authorized representative of any printing operation should check with their local county/municipal air, water, or waste programs to be aware of any additional regulatory, compliance or permitting requirements.

If your printing operation satisfies conditions specified in Rule 62-210.300(3)(a)36., you are exempt from air permitting. If you use materials that are at or above the exemption limits stated, you are required to obtain either an Air General (AG) permit or an Air Operating (AO) permit. In determining eligibility for use of the AG permit, retention factors may not be used in calculating HAP and VOC emissions to meet the limits. Retention factors are used in meeting the requirements of the AO permit.

(Text below is taken from Rule 62-210.300(3)(a)36., F.A.C.)

Division of Air Resource Management

For Printer operation questions, please contact the Small Business Environmental Assistance Program (SBEAP) at 1-800-722-7457, or by email: Small.Business@FloridaDEP.gov.

- The SBEAP provides free and confidential assistance with environmental regulations.
- If it's located in Broward, Duval, Hillsborough, Miami-Dade, Orange, Palm Beach, Pinellas, or Sarasota counties, visit our Local Program at <https://floridadep.gov/air/air-director/content/local-program-air-contacts>. For all other counties, go to our District Air Contacts, <https://floridadep.gov/air/air-director/content/district-air-contacts>.



36. Printing operations, provided:

- a. The facility is not subject to any unit-specific applicable requirement;
- b. The printing operation is not subject to any of the requirements of Rule 62-296.515, F.A.C.;
- c. The facility shall use less than 667 gallons of materials containing any hazardous air pollutants in any consecutive twelve (12) months; and
- d. The facility shall:
 - (I) Operate only heatset offset lithographic printing lines and use less than 20,000 pounds, combined, of ink, cleaning solvent, and fountain solution additives in any consecutive twelve (12) months;
 - (II) Operate 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;
 - (III) Operate 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;
 - (IV) Operate 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;
 - (V) Operate 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
 - (VI) Operate 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.

Printing operations are subject to federal/state/local air pollution regulations due to the emissions of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs).

Air General Permit Record Keeping Requirements

If you determine that your printing operation is eligible for the AG permit, you must use either the Material Usage Approach, or Mass Balance Approach for record keeping, as provided for in Rule 62-210.310(4)(f), F.A.C. and demonstrated in the calendar. The owner or operator of the printing operation shall retain/maintain these records for a period of at least five (5) years.

Material Usage Approach or Mass Balance Approach

Calculation charts for material usage approach and mass balance approach are provided each month in the calendar which begins on page 8. Printers using multiple materials with HAPs and VOCs, please copy and use Table I for HAPs and Table II for VOCs for every month. Use Table I (page 33) to keep track of HAP usage. Use Table II (page 34) to keep track of your VOC usage. Tables I and II can be used for the material usage approach and/or the mass balance approach record keeping methods.

Material Usage Approach:

The facility shall use less than 1,333 gallons of materials containing any hazardous air pollutants and not exceed the following material usage limitations in any consecutive twelve months. Specifically, the facility shall:

- (I) Operate only heatset offset lithographic printing lines and use less than 100,000 pounds, combined, of inks, cleaning solvents, fountain solution concentrate and fountain solution additives,
- (II) Operate only non-heatset offset lithographic printing lines and use less than 14,250 gallons, combined, of cleaning solvents, fountain solution concentrate and fountain solution additives,
- (III) Operate only digital printing lines and use less than 12,100 gallons, combined, of solvent based inks, clean-up solutions and other solvent-containing materials,
- (IV) Operate only screen or letterpress printing lines and use less than 14,250 gallons, combined, of solvent based inks, clean-up solutions and other solvent-containing materials,
- (V) Operate only water-based or ultraviolet-cured material flexographic or rotogravure printing lines and use less than 400,000 pounds, combined, of water-based inks, coatings and adhesives,
- (VI) Operate only solvent-based material flexographic or rotogravure printing lines and use less than 100,000 pounds, combined, of inks, dilution solvents, coatings, cleaning solutions and adhesives, 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.

Mass Balance Approach:**Hazardous Air Pollutants (HAPs):**

The facility shall not emit eight (8) tons or more of any individual hazardous air pollutant, or twenty (20) tons or more of any combination of hazardous air pollutants in any consecutive twelve (12) months.

Volatile Organic Compounds (VOCs):

The facility shall not emit eighty (80) tons or more of volatile organic compounds in any consecutive twelve (12) months.

Mass Balance Approach (calculation example)

A record of total HAP and VOC usage must be kept every month and for a consecutive 12-month total. Records must include usage rates for individual HAPs and total HAPs usage. A sample HAP calculation is as follows:

(e.g.) In July 2016 a Florida printing facility used 500 gallons of a solvent containing HAPs, and 500 gallons of ink containing VOCs. A review of the Material Safety Data Sheet (MSDS) provided by the manufacturer provides the following information:

The amount of HAPs used can be determined by multiplying the gallons used, the density of the solvent and the percentage of each solvent present: usage calculations are conducted the same way. If that same Florida printing facility uses 500 gallons of ink with a density of 8.5 lbs/gallon; and is 58 percent VOCs by weight, the amount of VOC used is as follows:

	Total gallons of solvent used		Density of solvent		Percent by		Pounds of HAP(s) emitted		**Tons of HAP(s) emitted
	↓		↓		↓		↓		↓
HAP "A" usage =	500 gallons	X	7.7 lbs/gal	X	0.26	=	1001 lbs		0.5005 tons
HAP "B" usage =	500 gallons	X	7.7 lbs/gal	X	0.12	=	462 lbs		0.231 tons
HAP "C" usage =	500 gallons	X	7.7 lbs/gal	X	0.08	=	+ 308 lbs		+ 0.154 tons
							Total HAP(s) used =	1771 lbs	.8855= 0.89 tons

	Total gallons of ink used		Density of Ink		Percent by weight VOCs		Total pounds of VOCs emitted		**Tons of VOCs emitted
	↓		↓		↓		↓		↓
VOCs used =	500 gallons	X	8.5 lbs/gallon	x	0.58	=	2,465 lbs		1.23 tons

** To convert pounds to tons, simply divide by 2,000.

MSDS (solvent)

Density of solvent – 7.7 pounds/gallon

HAP “A” – 26 percent by weight

HAP “B” – 12 percent by weight

HAP “C” – 8 percent by weight

Water and inert ingredients – 54 percent by weight
MSDS (ink)

VOC - 58 percent by weight

How to Fill Out Monthly Air Emissions Tables

(You will need data from 2021 to complete these tables)

HAP (Tons)/Example

Total Usage from July 2021 through June 2022 (Column B)	July 2021 Usage (Column C)	Column B – C = D (Column D)	July 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)
8.36	0.21	8.15	0.5005	8.6505
3.45	0.36	3.09	0.231	3.321
2.26	0.78	1.48	0.154	1.634
				13.6055 Tons

VOC (Tons)/Example

Total Usage from July 2021 through June 2022 (Column H)	July 2021 Usage (Column I)	Column H – I = J (Column J)	July 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)
8.5	0.25	8.25	1.2275	9.4775 Tons

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from January 2021 through December 2021 (Column B)	January 2021 Usage (Column C)	Column B – C = D (Column D)	January 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from January 2021 through December 2021 (Column B)	January 2021 Usage (Column C)	Column B – C = D (Column D)	January 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from January 2021 through December 2021 (Column B)	January 2021 Usage (Column C)	Column B – C = D (Column D)	January 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from January 2021 through December 2021 (Column H)	January 2021 Usage (Column I)	Column H – I = J (Column J)	January 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

January 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Tips and Reminders: You can register, renew, change ownership or make administrative corrections to AGPs online. Air General Permit Electronic Registration System (AGPERS), <http://www.fldepportal.com/go/home/>.

- Obtain an EPA identification number if needed by calling the Florida Department of Environmental Protection, Division of Waste Management, Hazardous Waste Regulation Section at 850-245-8707.
- Investigate use of low vapor pressure (less than 10 mm Hg at 68° F) or low VOC cleaning solvents.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from February 2021 through January 2022 (Column B)	February 2021 Usage (Column C)	Column B – C = D (Column D)	February 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from February 2021 through January 2022 (Column B)	February 2021 Usage (Column C)	Column B – C = D (Column D)	February 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from February 2021 through January 2022 (Column B)	February 2021 Usage (Column C)	Column B – C = D (Column D)	February 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from February 2021 through January 2022 (Column H)	February 2021 Usage (Column I)	Column H – I = J (Column J)	February 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

February 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

Tips and Reminders: Reprint a Receipt for an On-Line Payment, <http://www.fldeportal.com/DepPortal/go/continue/>.

- Identify and record quantities of hazardous waste monthly.
- To prevent expiration of material “shelf-life”, use materials on a first in, first out basis, resulting in less waste. Do not discharge expired materials into a septic, sewer, or wastewater treatment system.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from March 2021 through February 2022 (Column B)	March 2021 Usage (Column C)	Column B – C = D (Column D)	March 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from March 2021 through February 2022 (Column B)	March 2021 Usage (Column C)	Column B – C = D (Column D)	March 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from March 2021 through February 2022 (Column B)	March 2021 Usage (Column C)	Column B – C = D (Column D)	March 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from March 2021 through February 2022 (Column H)	March 2021 Usage (Column I)	Column H – I = J (Column J)	March 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

March 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Tips and Reminders: To Make Administrative Corrections to an Air General Permit, sign into DEP Business Portal, <http://www.fldepportal.com/go/>.

- Use proper containers to collect and store wastes or products.
- Keep all hazardous waste or products containing regulated solvents closed always unless actively removing from or adding to it.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from April 2021 through March 2022 (Column B)	April 2021 Usage (Column C)	Column B – C = D (Column D)	April 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from April 2021 through March 2022 (Column B)	April 2021 Usage (Column C)	Column B – C = D (Column D)	April 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from April 2021 through March 2022 (Column B)	April 2021 Usage (Column C)	Column B – C = D (Column D)	April 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from April 2021 through March 2022 (Column H)	April 2021 Usage (Column I)	Column H – I = J (Column J)	April 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

April 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Tips and Reminders: To Register or Renew an Air General Permit, go to the DEP Business Portal Air Facility page at <http://www.fldeportal.com/go/home/> and sign in or register from the link in the upper right corner of the page.

- Label all containers whether product or waste as to their contents.
- Gravity drain or mechanically wring shop towels to remove excess solvents; recover as much solvent as possible for reuse or recycling.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from May 2021 through April 2022 (Column B)	May 2021 Usage (Column C)	Column B – C = D (Column D)	May 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from May 2021 through April 2022 (Column B)	May 2021 Usage (Column C)	Column B – C = D (Column D)	May 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from May 2021 through April 2022 (Column B)	May 2021 Usage (Column C)	Column B – C = D (Column D)	May 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from May 2021 through April 2022 (Column H)	May 2021 Usage (Column I)	Column H – I = J (Column J)	May 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

May 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Tips and Reminders: For more information on AGPs or assistance with using the online renewal, please contact DEP's Small Business Environmental Assistance Program at 1-800-722-7457.

- Keep lids on bulk solutions to prevent evaporation, oxidation and contamination while in storage.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from June 2021 through May 2022 (Column B)	June 2021 Usage (Column C)	Column B – C = D (Column D)	June 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from June 2021 through May 2022 (Column B)	June 2021 Usage (Column C)	Column B – C = D (Column D)	June 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from June 2021 through May 2022 (Column B)	June 2021 Usage (Column C)	Column B – C = D (Column D)	June 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from June 2021 through May 2022 (Column H)	June 2021 Usage (Column I)	Column H – I = J (Column J)	June 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

June 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Tips and Reminders: For more information on AGPs or assistance with using AGPERS, please contact DEP's Small Business Environmental Assistance Program at 1-800-722-7457.

- Inspect all regulated management areas.
- Use solvent sinks for parts cleaning to reduce once-used solvent for cleaning of press parts.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from July 2021 through June 2022 (Column B)	July 2021 Usage (Column C)	Column B – C = D (Column D)	July 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from July 2021 through June 2022 (Column B)	July 2021 Usage (Column C)	Column B – C = D (Column D)	July 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from July 2021 through June 2022 (Column B)	July 2021 Usage (Column C)	Column B – C = D (Column D)	July 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from July 2021 through June 2022 (Column H)	July 2021 Usage (Column I)	Column H – I = J (Column J)	July 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

July 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Tips and Reminders: Compliance Assistance Information, <https://floridadep.gov/air/permitting-compliance/content/printing-operations>.

- Designate an emergency coordinator.
- Keep lids on bulk solutions to prevent evaporation, oxidation and contamination while in storage.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from August 2021 through July 2022 (Column B)	August 2021 Usage (Column C)	Column B – C = D (Column D)	August 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from August 2021 through July 2022 (Column B)	August 2021 Usage (Column C)	Column B – C = D (Column D)	August 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from August 2021 through July 2022 (Column B)	August 2021 Usage (Column C)	Column B – C = D (Column D)	August 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from August 2021 through July 2022 (Column H)	August 2021 Usage (Column I)	Column H – I = J (Column J)	August 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

August 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Tips and Reminders: Some printing operations may qualify for an exemption under [Rule 62-210.300\(3\)\(a\)\(36\)F.A.C.](#).

- To dispose of empty containers, cut off the bottom of the can and crush.
- Use manifests for all waste transported for disposal.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from September 2021 through August 2022 (Column B)	September 2021 Usage (Column C)	Column B – C = D (Column D)	September 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from September 2021 through August 2022 (Column B)	September 2021 Usage (Column C)	Column B – C = D (Column D)	September 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from September 2021 through August 2022 (Column B)	September 2021 Usage (Column C)	Column B – C = D (Column D)	September 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from September 2021 through August 2022 (Column H)	September 2021 Usage (Column I)	Column H – I = J (Column J)	September 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

September 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Tips and Reminders: This printable/fillable PDF form provides guidance for tracking material usage for printing operations. Click here:

<https://floridadep.gov/air/permitting-compliance/documents/printing-operations-material-usage-sheet>.

- Use non-dry aerosol: Special non-drying aerosol materials can be sprayed on ink fountains to keep them from drying out overnight. Fewer ink fountain cleanings required.
- Adjust chemical replenishment and wash-water flow rates on photo-processors to reduce wastewater quantities and optimize bath life.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from October 2021 through September 2022 (Column B)	October 2021 Usage (Column C)	Column B – C = D (Column D)	October 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from October 2021 through September 2022 (Column B)	October 2021 Usage (Column C)	Column B – C = D (Column D)	October 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from October 2021 through September 2022 (Column B)	October 2021 Usage (Column C)	Column B – C = D (Column D)	October 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from October 2021 through September 2022 (Column H)	October 2021 Usage (Column I)	Column H – I = J (Column J)	October 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

October 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Tips and Reminders: You can register, renew, change ownership or make administrative corrections to AGPs online. Air General Permit Electronic Registration System (AGPERS), <http://www.fldepportal.com/go/home/>.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from November 2021 through October 2022 (Column B)	November 2021 Usage (Column C)	Column B – C = D (Column D)	November 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from November 2021 through October 2022 (Column B)	November 2021 Usage (Column C)	Column B – C = D (Column D)	November 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from November 2021 through October 2022 (Column B)	November 2021 Usage (Column C)	Column B – C = D (Column D)	November 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)

VOCs (Tons)

Total Usage from November 2021 through October 2022 (Column H)	November 2021 Usage (Column I)	Column H – I = J (Column J)	November 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

November 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Tips and Reminders: For more information on AGPs or assistance with using AGPERS, please contact DEP's Small Business Environmental Assistance Program at 1-800-722-7457.

- Keep all hazardous waste records for at least three years.

Material Usage Approach

Materials containing ANY HAPs (Gallons)

Total Usage from December 2021 through November 2022 (Column B)	December 2021 Usage (Column C)	Column B – C= D (Column D)	December 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from December 2021 through November 2022 (Column B)	December 2021 Usage (Column C)	Column B – C= D (Column D)	December 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from December 2021 through November 2022 (Column B)	December 2021 Usage (Column C)	Column B – C= D (Column D)	December 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from December 2021 through November 2022 (Column H)	December 2021 Usage (Column I)	Column H – I = J (Column J)	December 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K=L (Column L)

Inspection

Waste Inspection (comments can go on separate sheet and attached to calendar)	Yes/No	Inspector	Inspector Initials	Date
Containers closed and correctly labeled "Hazardous Waste"?				
Leaks, corrosion, bulges?				
Ignitable and reactive wastes stored more than 50 ft. from property boundary?				
Incompatible wastes stored separately?				
Incompatible wastes separated by physical boundary or sufficient distance?				
Sufficient aisle space to allow inspection of containers and labels?				
Are all containers marked with an accumulation start date?				
Is spill control equipment available?				

December 2022

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Tips:

- Segregate spent fix baths from rinse waters and developer solutions. Silver recovery is more efficient on the more concentrated spent “fix” waste stream.
- Record Keeping for Air: Keep this calendar for at least 5 years.
- Investigate the use of alternative ink systems, such as UV curable, water based, or soy based.
- Keep accurate inspection logs.
- Label all containers.

Wastewater Regulations

Florida printing facilities must contend with a wide range of industrial wastewater regulations depending on the selected method of treatment and disposal. The following contacts are provided to assist you in determining what specific regulations apply to our facility:

For assistance with details regarding the State of Florida Industrial Wastewater permitting/disposal regulations for septic tank or other onsite sewage disposal, or transporting to an off-site treatment facility, call your local/district water contact found in the back of the calendar or the FDEP website myflorida.com.

For assistance with details regarding local county/municipal Industrial Wastewater permitting/disposal regulations contact your local regulatory authorities or myflorida.com.

Printing operations are required to either complete and submit a no exposure certification or file for a National Pollutant Discharge Elimination System (NPDES) storm water discharge permit. For details regarding the State of Florida Industrial Wastewater (non-hazardous waste) permitting/on-site storage regulations contact:

FLDEP - Surface Water Program

National Pollutant Discharge Elimination System (NPDES), (850) 245-7522

<https://floridadep.gov/water/stormwater>

FLDEP –Bureau of Solid & Hazardous Wastes

Hazardous Waste Regulation - Compliance & Enforcement

For details regarding Industrial Wastewater containing hazardous waste contact (850) 245-8774.

Identifying Your Hazardous Wastes

It is very important to determine whether a waste is hazardous or non-hazardous. After the material is determined to be a waste, it must be evaluated relative to its ingredients and physical characteristics.

There are several ways to identify hazardous wastes:

- * Obtain and read Material Safety Data Sheets (MSDS).
- * Talk to product suppliers and manufacturers.
- * Read product labels.
- * Compare product and process information to hazards waste characteristics and wastes listed in federal regulations.

Inspections and Record Keeping Responsibilities

Inspect containers at least once a week and keep a written log of container inspections; make certain that they are clearly identified.

Three Year Retention

Training and inspection records, manifests and shipping receipts, records of tests, land disposal restriction forms from the date the waste was last shipped.

Summary of Hazardous Waste Regulations

For information on generator status, labeling, transport and disposal contact your local district program offices found in the back of the Calendar.

Table 1 and Table 2 are monthly records for printers that use inks and solvents with many different HAPs and VOCs. Add the totals for HAPs and VOCs at the bottom of the tables.

TABLE 1– Hazardous Air Pollutants Recordkeeping



Ink or Solvent 	HAP	Total Usage from Month 2021 through Month 2022 (Column B)	Month 2021 Usage (Column C)	Column B – C = D (Column D)	Month 2022 Usage (Column E)	Consecutive 12 Month Total Column D + E = F (Column F)
TOTAL						12 Month Rolling Total here

TABLE 2– Hazardous Volatile Organic Compounds Recordkeeping

Ink or Solvent 	VOC	Total Usage from Month 2021 through Month 2022 (Column H)	Month 2021 Usage (Column I)	Column H – I = J (Column J)	Month 2022 Usage (Column K)	Consecutive 12 Month Total Column J + K = L (Column L)
TOTAL						12 Month Rolling Total here

District and County Air Program Contacts

Office	Location	Contact Person	Telephone	email
Northwest District	Pensacola	Carol Melton	850-595-0616	Carol.Melton@dep.state.fl.us
Northwest District	Pensacola	Blaine Mershon	850-595-0634	Blaine.Mershon@floridadep.gov
Northwest District Branch	Pensacola	Tracy White	850-245-7628	Tracy.A.White@dep.state.fl.us
Northeast District	Jacksonville	Marc Lovallo	904-256-1566	Marc.Lovallo@FloridaDEP.gov
Northeast District	Jacksonville	Chris Kirts	904-256-1553	Christopher.Kirts@FloridaDEP.gov
Southwest District	Tampa	Michael Lynch	813-470-5746	Michael.Lynch@dep.state.fl.us
Central District	Orlando	Daniel Hall	407-897-4167	Daniel.K.Hall@FloridaDEP.gov
Southeast District	West Palm Beach	Alannah Irwin	561-681-6626	Alannah.Irwin@FloridaDEP.gov
South District	Fort Myers	Katie O'Gara	239-344-5690	Katie.Ogara@FloridaDEP.gov
Miami-Dade County	Miami	Air Facilities Steven Bedoya	305-372-6925 305-372-6825	AirFacilities@miamidade.gov Steven.Bedoya@miamidade.gov
Broward County	Plantation	D'Arcy Damveld-Ansel	954-519-1459	DDAMVELDANSEL@broward.org
Duval County	Jacksonville	Patricia Gee-Jones	904-255-7199	PATRICIA@coj.net
Hillsborough County	Tampa	Sahand Nasseris	813-627-2600, Extension 1355	nasseris@epchc.org
Palm Beach County	West Palm Beach	Jeff Dizek	561-837-5925	Jeff.Dizek@flhealth.gov
Pinellas County	Clearwater	Sherrill Culliver	727-464-4422	sculliver@pinellascounty.org
Orange County	Orlando	Ilka Bundy	407-836-1476	ilka.bundy@ocfl.net
Sarasota County	Sarasota	Michael Storino	941-861-0909	mstorino@scgov.net

The Printer Operations Air General Permit is **NOT TRANSFERABLE** and does not follow a change in ownership of the facility. If you are a new owner and have not submitted a registration worksheet and/or have any permitting questions, please contact the Small Business Environmental Assistance Program at 1-800-722-7457.

You can register online electronically at: <https://www.fldepportal.com/DepPortal/go/apply-operate-airfacility/>

If you prefer to register manually by hardcopy, then print the “Printing Operations Air General Permit Registration Worksheet” located at: <https://floridadep.gov/air/permitting-compliance/content/printing-operations>.

Registrations and fees should be mailed to the following address:

Department of Environmental Protection
Attn: FDEP Air General Permits
2600 Blair Stone Road, MS 5500
Tallahassee, Florida, 32399-2400