

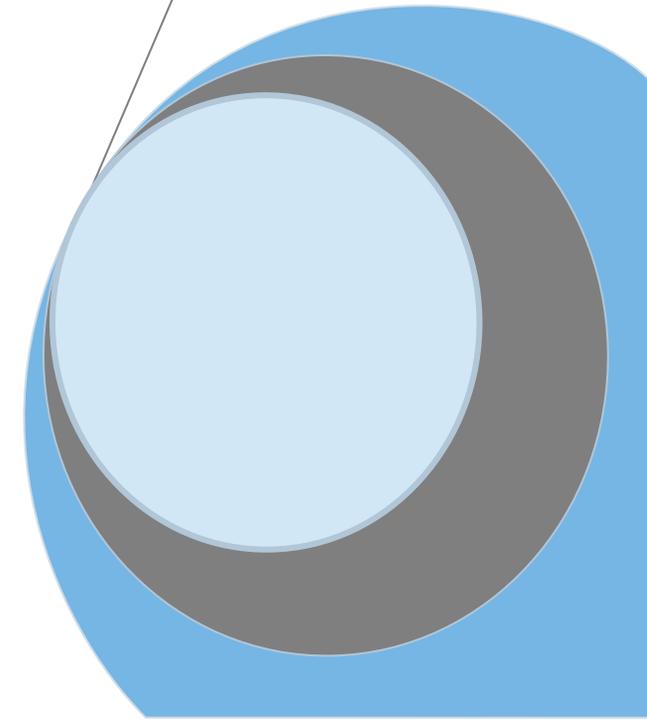
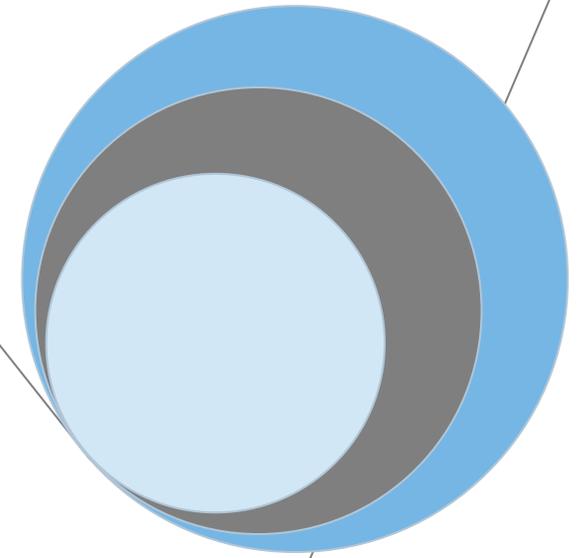
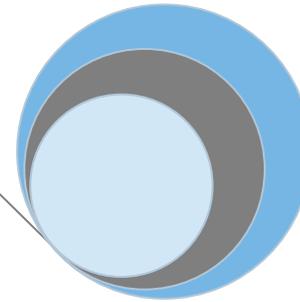


Compliance Calendar for Florida Printer Operations

2019

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 the required limits below, you are exempt from permitting. If you use materials that are at or above the 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 taken from the Chapter 62-210, F.A.C.)

37. Printing operations, provided:

- a. The facility is not subject to any unit-specific applicable requirement;
- b. The facility shall use less than 667 gallons of materials containing any hazardous air

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@dep.state.fl.us.

- 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>.



pollutants in any consecutive twelve (12) months; and

c. 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 the rule 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 12. 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

Hazardous Air Pollutants (HAPs): 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.

Volatile Organic Compounds (VOCs): do not exceed the following material usage limitations in any consecutive twelve months.

(I) heatset offset lithographic printing lines and use less than 100,000 pounds of ink, cleaning solvent and fountain solution additives combined;

(II) non-heatset offset lithographic printing lines and use less than 14,250 gallons of cleaning solvent and fountain solution additives combined;

(III) digital printing lines and use less than 12,100 gallons of solvent based inks, clean-up solutions and other solvent-containing materials combined;

(IV) 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;

(V) 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;

(VI) 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; or

(VII) Operate any combination printing lines and use no more than the most stringent of the material usage limitations contained in sub-paragraphs 62-210.310(4)(f)2.b. (I) through (VI), F.A.C., for the type of printing lines at the facility.

Note: The above information for the material usage approach applies to printers that do not have additional emission sources such as boilers and degreasers.

Mass Balance Approach:

Hazardous Air Pollutants (HAPs):

The printer 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 printer 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 2000.

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

Density of ink – 8.5 pounds/gallon

How to Fill Out Monthly Air Emissions Tables

(You will need data from 2018 to complete these tables)

HAP (Tons)/Example

Total Usage from July 2018 through June 2019 (Column B)	July 2018 Usage (Column C)	Column B – C = D (Column D)	July 2019 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 2018 through June 2019 (Column H)	July 2018 Usage (Column I)	Column H – I = J (Column J)	July 2019 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 2018 through December 2018 (Column B)	January 2018 Usage (Column C)	Column B – C= D (Column D)	January 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from January 2018 through December 2018 (Column B)	January 2018 Usage (Column C)	Column B – C= D (Column D)	January 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from January 2018 through December 2018 (Column B)	January 2018 Usage (Column C)	Column B – C= D (Column D)	January 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from January 2018 through December 2018 (Column H)	January 2018 Usage (Column I)	Column H – I = J (Column J)	January 2019 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 2019

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

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 68oF) or low VOC cleaning solvents.

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

Material Usage Approach

February 2019

Materials containing ANY HAPs (Gallons)

Total Usage from February 2018 through January 2019 (Column B)	February 2018 Usage (Column C)	Column B – C= D (Column D)	February 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from February 2018 through January 2019 (Column B)	February 2018 Usage (Column C)	Column B – C= D (Column D)	February 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from February 2018 through January 2019 (Column B)	February 2018 Usage (Column C)	Column B – C= D (Column D)	February 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage February 2018 through January 2019 (Column H)	February 2018 Usage (Column I)	Column H – I = J (Column J)	February 2019 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?				

February 2019

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

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.

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

Materials containing ANY HAPs (Gallons)

Total Usage from March 2018 through February 2019 (Column B)	March 2018 Usage (Column C)	Column B – C= D (Column D)	March 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from March 2018 through February 2019 (Column B)	March 2018 Usage (Column C)	Column B – C= D (Column D)	March 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Mass Balance Approach

HAPs (Tons)

Total Usage from March 2018 through February 2019 (Column B)	March 2018 Usage (Column C)	Column B – C= D (Column D)	March 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from March 2018 through February 2019 (Column H)	March 2018 Usage (Column I)	Column H – I = J (Column J)	March 2019 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?				

March 2019

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

Use proper containers to collect and store wastes or products.

Improve inventory control by limiting access and distribution of solvents

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

Materials containing ANY HAPs (Gallons)

Total Usage from April 2018 through March 2019 (Column B)	April 2018 Usage (Column C)	Column B – C= D (Column D)	April 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from April 2018 through March 2019 (Column B)	April 2018 Usage (Column C)	Column B – C= D (Column D)	April 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from April 2018 through March 2019 (Column B)	April 2018 Usage (Column C)	Column B – C= D (Column D)	April 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from April 2018 through March 2019 (Column H)	April 2018 Usage (Column I)	Column H – I = J (Column J)	April 2019 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?				

April 2019

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

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.

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

Materials containing ANY HAPs (Gallons)

Total Usage from May 2018 through April 2019 (Column B)	May 2018 Usage (Column C)	Column B – C= D (Column D)	May 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from May 2018 through April 2019 (Column B)	May 2018 Usage (Column C)	Column B – C= D (Column D)	May 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from May 2018 through April 2019 (Column B)	May 2018 Usage (Column C)	Column B – C= D (Column D)	May 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from May 2018 through April 2019 (Column H)	May 2018 Usage (Column I)	Column H – I = J (Column J)	May 2019 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?				

May 2019

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

Keep all hazardous waste or products containing regulated solvents closed always unless actively removing from or adding to it.

Investigate using nonhazardous solvents, those with flashpoints below 140°F.

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.

Materials containing ANY HAPs (Gallons)

Total Usage from June 2018 through May 2019 (Column B)	June 2018 Usage (Column C)	Column B – C= D (Column D)	June 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from June 2018 through May 2019 (Column B)	June 2018 Usage (Column C)	Column B – C= D (Column D)	June 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from June 2018 through May 2019 (Column B)	June 2018 Usage (Column C)	Column B – C= D (Column D)	June 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from June 2018 through May 2019 (Column H)	June 2018 Usage (Column I)	Column H – I = J (Column J)	June 2019 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?				

June 2019

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

Inspect all regulated management areas.

Use solvent sinks for parts cleaning to reduce once-used solvent for cleaning of press parts.

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

Materials containing ANY HAPs (Gallons)

Total Usage from July 2018 through June 2019 (Column B)	July 2018 Usage (Column C)	Column B – C= D (Column D)	July 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from July 2018 through June 2019 (Column B)	July 2018 Usage (Column C)	Column B – C= D (Column D)	July 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from July 2018 through June 2019 (Column B)	July 2018 Usage (Column C)	Column B – C= D (Column D)	July 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from July 2018 through June 2019 (Column H)	July 2018 Usage (Column I)	Column H – I = J (Column J)	July 2019 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?				

July 2019

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

Designate an emergency coordinator.

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

Compliance Assistance Information, [Informational Handout](https://floridadep.gov/air/permitting-compliance/documents/printing-operations), <https://floridadep.gov/air/permitting-compliance/documents/printing-operations>.

Materials containing ANY HAPs (Gallons)

Total Usage from August 2018 through July 2019 (Column B)	August 2018 Usage (Column C)	Column B – C= D (Column D)	August 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from August 2018 through July 2019 (Column B)	August 2018 Usage (Column C)	Column B – C= D (Column D)	August 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from August 2018 through July 2019 (Column B)	August 2018 Usage (Column C)	Column B – C= D (Column D)	August 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from August 2018 through July 2019 (Column H)	August 2018 Usage (Column I)	Column H – I = J (Column J)	August 2019 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?				

August 2019

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

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.

Some printing operations may qualify for an exemption under Rule 62-210.300(3)(a)(36)F.A.C., <https://www.flrules.org/gateway/RuleNo.asp?title=STATIONARY%20SOURCES%20-%20GENERAL%20REQUIREMENTS&ID=62-210.300>

Materials containing ANY HAPs (Gallons)

Total Usage from September 2018 through August 2019 (Column B)	September 2018 Usage (Column C)	Column B – C= D (Column D)	September 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from September 2018 through August 2019 (Column B)	September 2018 Usage (Column C)	Column B – C= D (Column D)	September 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from September 2018 through August 2019 (Column B)	September 2018 Usage (Column C)	Column B – C= D (Column D)	September 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from September 2018 through August 2019 (Column H)	September 2018 Usage (Column I)	Column H – I = J (Column J)	September 2019 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?				

September 2019

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

Adjust chemical replenishment and wash-water flow rates on photo-processors to reduce wastewater quantities and optimize bath life.

Develop a contingency plan for emergencies.

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

October 2019

Materials containing ANY HAPs (Gallons)

Total Usage from October 2018 through September 2019 (Column B)	October 2018 Usage (Column C)	Column B – C= D (Column D)	October 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from October 2018 through September 2019 (Column B)	October 2018 Usage (Column C)	Column B – C= D (Column D)	October 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from October 2018 through September 2019 (Column B)	October 2018 Usage (Column C)	Column B – C= D (Column D)	October 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from October 2018 through September 2019 (Column H)	October 2018 Usage (Column I)	Column H – I = J (Column J)	October 2019 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?				

October 2019

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

Use manifests for all waste transported for disposal.

To dispose of empty containers, cut off the bottom of the can and crush.

You can register, renew, change ownership or make administrative corrections to AGPs online. [Air General Permit Electronic Registration System \(AGPERS\)](http://www.fldeportal.com/go/home/).
[http://www.fldeportal.com/go/home/.](http://www.fldeportal.com/go/home/)

Materials containing ANY HAPs (Gallons)

Total Usage from November 2018 through October 2019 (Column B)	November 2018 Usage (Column C)	Column B – C= D (Column D)	November 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from November 2018 through October 2019 (Column B)	November 2018 Usage (Column C)	Column B – C= D (Column D)	November 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from November 2018 through October 2019 (Column B)	November 2018 Usage (Column C)	Column B – C= D (Column D)	November 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from November 2018 through October 2019 (Column H)	November 2018 Usage (Column I)	Column H – I = J (Column J)	November 2019 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?				

November 2019

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

Keep all hazardous waste records for at least three years.

Record Keeping for Air: Keep this calendar for at least 5 years

Segregate spent fix baths from rinse waters and developer solutions. Silver recovery is more efficient on the more concentrated spent "fix" waste stream.

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

Materials containing ANY HAPs (Gallons)

Total Usage from December 2018 through November 2019 (Column B)	December 2018 Usage (Column C)	Column B – C= D (Column D)	December 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

Materials containing ANY VOCs (Gallons or Pounds)

Total Usage from December 2018 through November 2019 (Column B)	December 2018 Usage (Column C)	Column B – C= D (Column D)	December 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

The Mass Balance Approach

HAPs (Tons)

Total Usage from December 2018 through November 2019 (Column B)	December 2018 Usage (Column C)	Column B – C= D (Column D)	December 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)

VOCs (Tons)

Total Usage from December 2018 through November 2019 (Column H)	December 2018 Usage (Column I)	Column H – I = J (Column J)	December 2019 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?				

December 2019

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

Keep containers closed

Label all containers

Keep accurate inspection logs

Investigate the use of alternative ink systems, such as UV curable, water based or soy based.

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

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 hazardous 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 2018 through Month 2019 (Column B)	Month 2018 Usage (Column C)	Column B – C= D (Column D)	Month 2019 Usage (Column E)	Consecutive 12 Month Total Column D + E=F (Column F)
TOTAL						12 Month Rolling Total here

District and County Air Program Contacts

Contact Person	Office	Location	Telephone	email
Carol Melton	Northwest District	Pensacola	850-595-0616	Carol.Melton@dep.state.fl.us
Jennifer Waltrip	Northwest District	Pensacola	850-595-0662	Jennifer.Waltrip@dep.state.fl.us
Tracy White	Northwest District Branch	Pensacola	850-245-7628	Tracy.A.White@dep.state.fl.us
Marc Lovallo	Northeast District	Jacksonville	904-256-1566	Marc.Lovallo@FloridaDEP.gov
Chris Kirts	Northeast District	Jacksonville	904-256-1553	Christopher.Kirts@FloridaDEP.gov
Max Grondahl	Southwest District	Tampa	813-470-5864	Max.Grondahl@FloridaDEP.gov
Daniel Hall	Central District	Orlando	407-897-4167	Daniel.K.Hall@FloridaDEP.gov
Diane Pupa	Southeast District	West Palm Beach	561-681-6782	Diane.Pupa@dep.state.fl.us
Katie O'Gara	South District	Fort Myers	239-344-5690	Katie.Ogara@FloridaDEP.gov
Rick Garcia	Miami-Dade County	Miami	305-372-6925	garcima@miamidade.gov
D'Arcy Damveld-Ansel	Broward County	Plantation	954-519-1459	DDAMVELDANSEL@broward.org
Patricia Gee-Jones	Duval County	Jacksonville	904-255-7199	PATRICIA@coj.net
Jason Waters	Hillsborough County	Tampa	813-627-2600, Extension 1269	watersj@epchc.org
Jeff Dizek	Palm Beach County	West Palm Beach	561-837-5925	Jeff.Dizek@flhealth.gov
Sherrill Culliver	Pinellas County	Clearwater	727-464-4422	sculliver@pinellascounty.org
Ilka Bundy	Orange County	Orlando	407-836-1476	ilka.bundy@ocfl.net
Michael Storino	Sarasota County	Sarasota	941-836-1476	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://floridadep.gov/air/permitting-compliance/content/air-general-permits>.

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:

FDEP Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070