SEPTEMBER 2018

Tip of the Month: **Reduce drag-out -** Drain boards can be placed over the lips of two adjacent tanks to catch any drips of drag-out when transferring parts. Slope the boards back to the first tank. This reduces drag out, keeping floors clean.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23 30	24	25	26	27	28	29

Florida Small Business Environmental Assistance Program

S•B•E•A•P

Inspections ☐

Recordkeeping ☐

Monthly Ampere Usage:

_____

OCTOBER 2018

Calculate the cumulative rectifier capacity:

Running Total From Last Month (Previous 12 month's Total)	
SUBTRACT October 2017	-
ADD October 2018	+
TOTAL	

Foam Blanket Record Keeping (Every 8 Hours)

Date/Time	Thickness (Inches)	Date/Time	Thickness (Inches)

Surface Tension Record Keeping (Every 40 Hours)

Date/Time	Surface Tension (dynes/cm)

OCTOBER 2018

Tip of the Month: **Rinse efficiency** - Increasing rinse efficiency will reduce water and sewer bills and treatment costs. Rinse tanks should be sized as small as possible depending on the largest part or rack to be immersed. This improves rinse efficiency and reduces water usage. Agitating the rinse can improve the rinse efficiency.

Florida Small Business Environmental Assistance Program
S•B•E•A•P

Inspections ☐

Recordkeeping ☐

Monthly Ampere Usage:

_____

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	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			

NOVEMBER 2018

Calculate the cumulative rectifier capacity:

Running Total From Last Month (Previous 12 month's Total)	
SUBTRACT November 2017	-
ADD November 2018	+
TOTAL	

Foam Blanket Record Keeping (Every 8 Hours)			
Date/Time	Thickness (Inches)	Date/Time	Thickness (Inches)

Surface Tension Record Keeping (Every 40 Hours)	
Date/Time	Surface Tension (dynes/cm)

NOVEMBER 2018

Tip of the Month: **Hazardous materials storage -** Store on an impervious surface. Store under cover, whether indoors or outdoors. Be sure containers are properly sealed. Provide some type of secondary containment. This area should be able to contain any leaks or spills.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				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	

Florida Small Business Environmental Assistance Program

S•B•E•A•P

Inspections ☐

Recordkeeping ☐

Monthly Ampere Usage:

_____

DECEMBER 2018

Calculate the cumulative rectifier capacity:

Running Total From Last Month (Previous 12 month's Total)	
SUBTRACT December 2017	-
ADD December 2018	+
TOTAL	

Foam Blanket Record Keeping (Every 8 Hours)

Date/Time	Thickness (Inches)	Date/Time	Thickness (Inches)

Surface Tension Record Keeping (Every 40 Hours)

Date/Time	Surface Tension (dynes/cm)

DECEMBER 2018

Tip of the Month: **Hazardous materials storage -** Label containers properly, include contents and generation date of hazardous waste. Make sure drums are easily accessible but not stored in high traffic areas where they can be easily knocked over. Regularly check for leaks.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23 30	24 31	25	26	27	28	29

Florida Small Business Environmental Assistance Program

S•B•E•A•P

Inspections ☐

Recordkeeping ☐

Monthly Ampere Usage:

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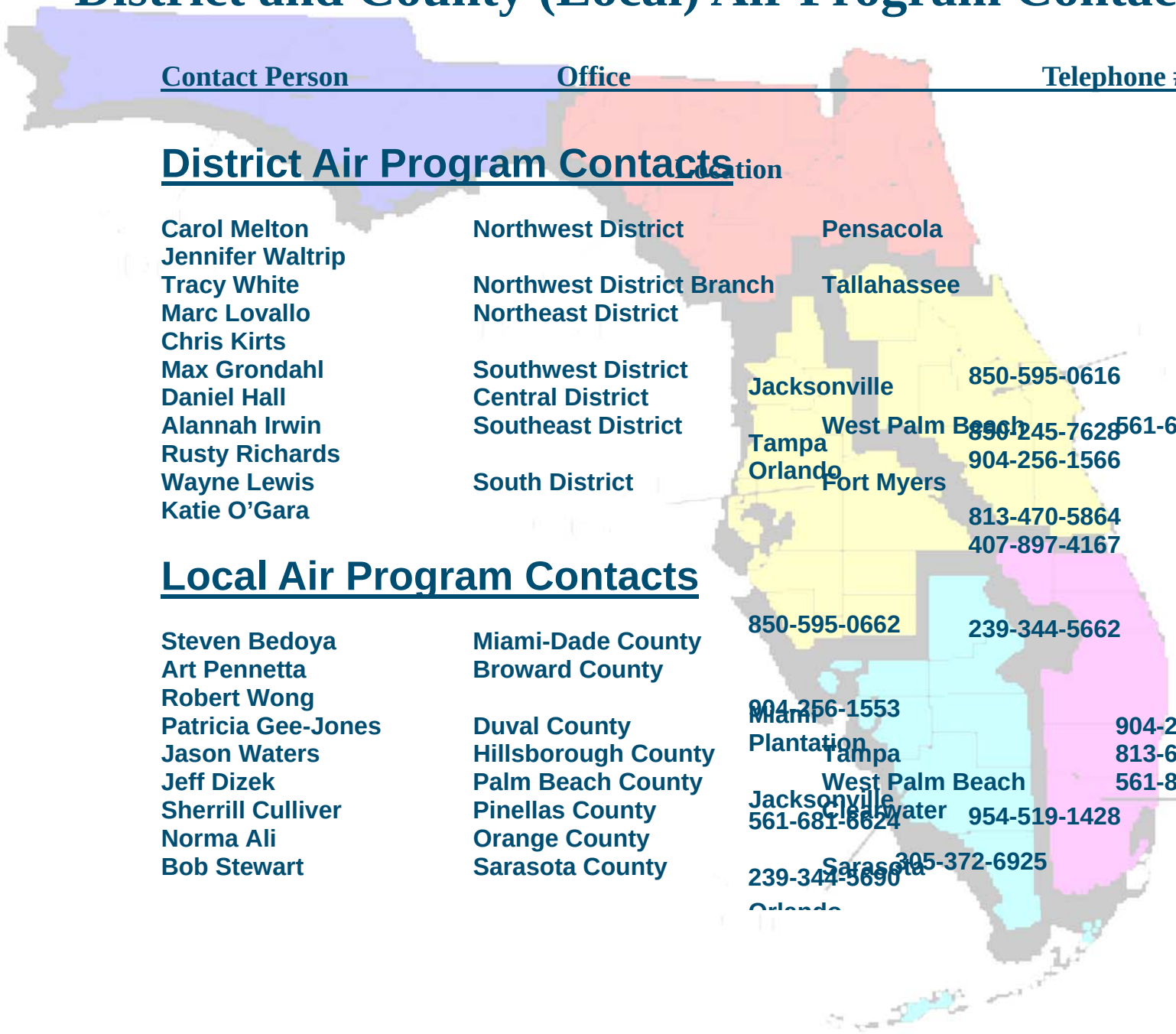
District and County (Local) Air Program Contacts



Contact Person	Office	Location	Telephone #
District Air Program Contacts			
Carol Melton	Northwest District	Pensacola	850-595-0616
Jennifer Waltrip			
Tracy White	Northwest District Branch	Tallahassee	850-245-7628
Marc Lovallo	Northeast District	Jacksonville	904-256-1566
Chris Kirts			
Max Grondahl	Southwest District	Tampa	813-470-5864
Daniel Hall	Central District	Orlando	407-897-4167
Alannah Irwin	Southeast District	West Palm Beach	561-681-6626
Rusty Richards			
Wayne Lewis	South District	Fort Myers	239-344-5662
Katie O'Gara			
Local Air Program Contacts			
Steven Bedoya	Miami-Dade County	Miami	904-255-7199 done
Art Pennetta	Broward County	Plantation	954-519-1428
Robert Wong			
Patricia Gee-Jones	Duval County	Jacksonville	904-256-1553
Jason Waters	Hillsborough County	Tampa	813-627-2600 ext. 1269
Jeff Dizek	Palm Beach County	West Palm Beach	561-681-6624
Sherrill Culliver	Pinellas County	Clearwater	727-464-7333
Norma Ali	Orange County	Orlando	407-836-1280
Bob Stewart	Sarasota County	Sarasota	941-951-5690

Brief Summary
EPA Regulations for
Plating and Polishing Facilities
40 CFR Part63 Subpart WWWWWW

EPA has new requirements to reduce air pollution from plating and polishing facilities. The vapor from these facilities contain Cadmium, **Chromium,** Manganese, Nickel, Lead, and other harmful chemicals that pose a health risk to anyone who breathes air containing them.

This is a short summary of things that plating and polishing operations must do to comply with the new rule requirements. For more details and assistance, please talk to your local environmental contact.

Specific Requirements

- **Compliance dates: Existing sources by 07/01/10; New sources upon start-up**
- Non-cyanide electroplating, electroforming or electro polishing with pH<12
  - -Use wetting agent/fume suppressant (WAFS), control device or tank cover
  - -Management practices to minimize or eliminate potential emissions
- Flash or short-term electroplating
  - -Use tank covers or limit plating time to 3 min/hr or 1 hr/day
  - -Management practices to minimize or eliminate potential emissions
- Dry mechanical polishing and thermal spraying (permanent operations)
  - -Exhaust emissions to a control device
- Cyanide electroplating (pH ≥12), non-electrolytic plating and coating operations (such as electroless nickel plating and chromate conversion coating), and temporary thermal spraying:
  - -Management practices to minimize or eliminate potential emissions

Management Practices to Minimize or Eliminate Potential Emissions, as Practicable

- Keep tank liquid as still as you can when removing parts processed in the tank.
- Make the drip time as long as you can when removing parts from the tank. Use drain boards (also known as drip shields) or remove parts slowly from the tank.
- Design barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank).
- Use tank covers whenever you can.
- Minimize or reduce heating of process tanks whenever possible.
- Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment.
- Minimize bath contamination however possible by not dropping parts or quickly recovering dropped parts, using distilled/de-ionized water, filtering the water, pre-cleaning the parts before plating and rinsing pre-treated parts before plating.

(continued on next page)

- Make sure that the chemicals and other bath ingredients are at the correct levels in the tank.
- Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and washdowns when needed.
- Minimize spills and overflow of tanks as much as possible.
- Use squeegee rolls in continuous or reel-to-reel plating tanks.
- Perform regular inspections to identify leaks and other ways to prevent pollution.

Reporting

- Prepare Annual Certification of Compliance **report by January 31st of each year** for the previous year. Submit by January 31st if any deviations occurred during the previous year.
- Prepare and submit **Report of Deviations by January 31st of each year**, if applicable.
- Submit Initial Notification:
  - **Existing sources on 10/29/08**
  - **New sources on 10/29/08 or upon startup** (*correction: note rule will be revised)*
- Submit Notification of Compliance Status:

  Existing sources on 07/01/10
  - **New sources upon start-up**
-

Recordkeeping

- All required notifications and reports, with supporting data.
- Records that show you meet the management practices.
- For cyanide tanks, provide the one-time pH measurement value.
- For non-cyanide tanks, provide the amount and frequency of WAFS additions, if applicable.
- For short-term or flash electroplating tanks, the daily plating time.
- For electroplating tanks using covers as a control option, the time the tank is operated with cover in place.
- **Records must be kept for a period of 5 years.**

The rule itself can be found at this link:
http://www.ecfr.gov/cgi-bin/text-idx?SID=9a20aa9ed38e43fd20c9474543ede082&node=40:15.0.1.1.1.36&rgn=div6

ATTENTION:

The 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**

It is the seller's responsibility to notify the FDEP, Division of Air Resource Management of the pending change in ownership. Likewise, it is the responsibility of the new owner/company to submit a new Air General Permit Registration (or required information) no later than 30 days prior to the sale.

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 "Chromium Electroplaters Air General Permit Registration Worksheet" located at:
https://floridadep.gov/air/permitting-compliance/content/chromium-electroplaters

Registrations and fees should be mailed to the following address:

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