



## PERCHLOROETHYLENE DRY CLEANERS COMPLIANCE INSPECTION CHECKLIST



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

<b>AIRS ID#:</b> 103 0381	<b>Date:</b> 5/28/13 <b>Time In:</b> 11:15am <b>Time Out:</b> 11:40 am		
<b>Facility Name:</b>	Arome Dry Cleaners		
<b>Facility Location:</b>	1969 Sunset Point Road		
	Clearwater, FL, 33765		
<b>Responsible Official:</b>	DeeAnn Kerrutt	<b>Phone No:</b>	727-562-9339
<b>e-mail:</b>			
<b>Emis. Unit Description:</b>	Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1990 Mira Clean, Dual 235) with a refrigerated condenser (not required). An exempt 15 HP propane fired boiler is on-site.		
<b>Permit Number:</b>	1030381-005-AG	<b>Exp. Date:</b>	12/13/2013
<b>Facility Contact:</b>	DeeAnn Kerrutt	<b>Renewal Date:</b>	11/13/2013
<b>e-mail:</b>		<b>Phone:</b>	727-562-9339
<b>Compliance Status:</b>	<input checked="" type="checkbox"/> IN <input type="checkbox"/> MNC <input type="checkbox"/> SNC		

**PART I: NOTIFICATION** (Check appropriate box)

1. Existing facility notified DARM by 9/1/96
2. New facility notified DARM 30 days prior to startup
3. Facility failed to notify DARM to use general permit

**PART II: CLASSIFICATION**

**Facility indicated on notification form that it is:**  
 No Notification Form       Drop-Off Store       Out of business       Petroleum Solvent Only

- A.**
- |  |   |
|--|---|
| <p><u>1. Existing small area source</u><br/>         Dry-to-dry only, x &lt;140 gal/yr<br/>         Transfer only, x &lt;200 gal/yr <span style="float: right;"><input checked="" type="checkbox"/></span><br/>         Both types, x &lt;140 gal/yr<br/>         (Constructed before 12/9/91)</p> <p><u>3. Existing large area source</u><br/>         Dry-to-dry only, 140&gt; x &lt;2,100 gal/yr<br/>         Transfer only, 200&gt; x &lt;1,800 gal/yr <span style="float: right;"><input type="checkbox"/></span><br/>         Both types, 140&gt; x &lt;1,800 gal/yr<br/>         (Constructed before 12/9/91)</p> | <p><u>2. New small area source</u><br/>         Dry-to-dry only, x &lt;140 gal/yr<br/>         Transfer only, x &lt;200 gal/yr <span style="float: right;"><input type="checkbox"/></span><br/>         Both types, x &lt;140 gal/yr<br/>         (Constructed on or after 12/9/91)</p> <p><u>4. New large area source</u><br/>         Dry-to-dry only, 140&gt; x &lt;2,100 gal/yr<br/>         Transfer only, 200&gt; x &lt;1,800 gal/yr <span style="float: right;"><input type="checkbox"/></span><br/>         Both types, 140&gt; x &lt;1,800 gal/yr<br/>         (Constructed on or after 12/9/91)</p> |
|--|---|

**This is a correct facility classification**       Y     N     Can not determine  
**If no, please check the appropriate classification:**  
 Facility qualified for a general permit as number \_\_\_ above.  
 Facility exceeds above limits and is not eligible for a general permit

**B. Highest 12-month consecutive total of perchloroethylene purchased in the preceding 12-month period: 0 Gallons. Month with highest use was N/A. Did facility exceed limits  Y  N**

### PART III: GENERAL CONTROL REQUIREMENTS

Is the responsible official of the dry cleaning facility: (Check appropriate boxes)

- |   |                                       |                            |  |
|---|---------------------------------------|----------------------------|--|
| 1. Storing perchloroethylene in tightly sealed and impervious containers?   | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA            |
| 2. Examining the containers for leakage?  | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA            |
| 3. Closing and securing machine doors except during loading/unloading?  | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N |  |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal?                     | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA            |
| 5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | <input type="checkbox"/> Y            | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |

### PART IV: PROCESS VENT CONTROLS

#### **In Part II-A:**

If classification (1) has been checked, no controls are required. **Proceed to Part V.**

If classification (2) has been checked, the machine should be equipped with a refrigerated condenser (complete A below)

If classification (3) has been checked, the machine should be equipped with either a refrigerated condenser or a carbon adsorber (complete A and B below). A Carbon adsorber must have been installed prior to September 22, 1993.

If classification (4) has been checked, machine should be equipped with a refrigerated condenser (complete A and B below.)

#### **A. Has the responsible official of all new sources and existing large area sources:** (check appropriate boxes)

- |  |                            |                            |  |
|--|----------------------------|----------------------------|--|
| 1. Equipped all machines with the appropriate vent controls?   | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system?   | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door?                 | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis?                       | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F?                          | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged? | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |

**B. Has the responsible official of an existing large or new large area source also:**

- |  |  |
|--|--|
| 1. Measured and recorded the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis?   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N   |
| 2. Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly?<br>Is the temperature differential equal to or greater than 10°F?  | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA<br><input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 3. Measured and recorded the perc concentration weekly at the end of the final drying cycle while the machine is venting to the atmosphere. If machines are equipped with a carbon adsorber?<br>Is the perc concentration or less than 10 ppm?   | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA<br><input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 4. Assured that the sampling position on adsorber exhaust for measuring perc. concentrations is at least 10 duct diameters downstream of any bend, contraction, or expansion; is at least 10 diameters upstream from any bend contraction, or expansion; and downstream from the adsorber inlet? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA  |
| 5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils?   | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA  |
| 6. Routed airflow to the carbon adsorber (if used) at all times?   | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA  |

**PART V: RECORDKEEPING REQUIREMENTS**

**Has the responsible official:**

(Check appropriate boxes)

- |  |  |
|--|--|
| 1. Maintained receipts for perc purchased?   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N   |
| 2. Maintained rolling monthly averages of perc consumption?  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N   |
| 3. Maintained leak detection inspection and repair reports for the following:<br>a. Documentation of leaks repaired w/in 24 hrs? or;<br>b. Documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br><input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 4. Maintained calibration data? ( <i>direct reading instruments only</i> )   | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA   |
| 5. Maintained exhaust duct monitoring data on perc concentrations?   | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA   |
| 6. Maintained startup/shutdown/malfunction plan?   | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N   |
| 7. Maintained deviation reports?<br>Problem corrected?   | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA<br><input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 8. Maintained compliance plan, if applicable?  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA   |

**PART VI: LEAK DETECTION AND REPAIRS**

<b>1. Does the responsible official conduct weekly leak detection and repair inspection?</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
<b>2. Which method of detection does the responsible official use?</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
Visual examination (condensed solvent of exterior surfaces)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
Physical detection (airflow felt through gaskets)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
Odor (noticeable perc odor)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
Use of direct-reading instrumentation (FID/PID/calorimetric tubes)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N			
<b>If using direct-reading instrumentation, is the equipment:</b>	<input type="checkbox"/> Y	<input type="checkbox"/> N			
a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm	<input type="checkbox"/> Y	<input type="checkbox"/> N			
b. Calibrated against a standard gas prior to and after each use (PID/FID only).	<input type="checkbox"/> Y	<input type="checkbox"/> N			
c. Inspected for leaks and obvious signs of wear on a weekly basis?	<input type="checkbox"/> Y	<input type="checkbox"/> N			
d. Kept in a clean and secure area when not in use.	<input type="checkbox"/> Y	<input type="checkbox"/> N			
e. Verified for accuracy by use of duplicate samples (calorimetric only)?	<input type="checkbox"/> Y	<input type="checkbox"/> N			
<b>3. Has the facility maintained a leak log?</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
<b>4. The following area should be checked for leaks by the operator:</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			
Hose connections, fitting couplings, and valves	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Muck cookers	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Door gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Stills	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Filter gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Exhaust dampers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Pumps	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Diverter valves	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Solvent tanks and containers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	Cartridge Filter housing	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Water separators	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N			

Shea Jackson	5/28/13
Inspector's Name (Please Print)	Date of Inspection
	Within one year of this inspection
Inspector's Signature	Date of Next Inspection

## System Inspection and Leak Detection

Are the following dry cleaning system components inspected weekly for perceptible leaks (sight, smell or touch) while the system is in operation (§63.322(k))? (Inspection with a halogenated hydrocarbon detector or PCE gas analyzer also fulfills the requirement for inspection of perceptible leaks.) Y N NA

Are the following dry cleaning system components inspected monthly for vapor leaks using a halogenated hydrocarbon detector or PCE gas analyzer while the system is in operation? (Any inspection conducted according to this paragraph shall satisfy the requirements to conduct an inspection for perceptible leaks under §63.322(k) or (l).) Y N NA

- (1) Hose and pipe connections, fittings, couplings, and valves;
- (2) Door gaskets and seatings;
- (3) Filter gaskets and seatings;
- (4) Pumps;
- (5) Solvent tanks and containers;
- (6) Water separators;
- (7) Muck cookers;
- (8) Stills;
- (9) Exhaust dampers;
- (10) Diverter valves; and
- (11) All Filter housings

Is the halogenated hydrocarbon detector or PCE gas analyzer operated according to the manufacturer's instructions? Y N NA

Is the vapor leak inspection conducted by placing the probe inlet at the surface of each component interface where leakage could occur and moving it slowly along the interface periphery? Y N NA

Is the PCE gas analyzer a flame ionization detector, photo ionization detector, or infrared analyzer capable of detecting vapor concentrations of PCE of 25 parts per million by volume? Y N NA

Is the halogenated hydrocarbon detector capable of detecting vapor concentrations of PCE of 25 parts per million by volume and indicating a concentration of 25 parts per million by volume or greater by emitting an audible or visual signal that varies as the concentration changes? Y N NA

## ADDITIONAL SITE INFORMATION

**Facility Name:** Arome Dry Cleaners  
**ARMS #:** 103 0381

### Inspection Comments:

- *I performed the annual compliance inspection to observe the dry cleaning equipment.*
- *I met with the facility contact's father in law, Houston Dee. The Responsible Official, Mrs. Dee Ann Kerrutt was not on site.*
- *I reviewed the monthly records from June 2012 to May 2013.*
- *Mrs. Kerrutt has been recording the bi-weekly temperature and leak checks for 2012 up to May 2013, she has been indicating each month the dry cleaning machine had not been operated and no leaks. (see photos)*
- *The Dry Cleaning Machine was not in operation. I checked the view ports at base of machine; it appeared to be empty, with a residue line mark. Mr. Dee said it had not been in operation for approximately 2 years. He stated the Perc had been drained.*
- *The rear of the machine was blocked with the 2 hazardous waste material containers in the secondary containment area, no date on drum labels. There was metal ductwork from the ceiling, blocking the rear of the dry to dry machine, which had a significant dust accumulation from non use.*
- *There were no Perc odors detected around the machine or equipment.*
- *I advised Mr. Dee the hazardous waste materials should be disposed of, should not be held longer than 6 months as regulated by other agency. Mr. Kerrutt stated they had been waiting to fill drums, and did not have the funds to have the waste disposal picked up until drums full, and could not fund the removal of the dry to dry machine either.*
- *I gave him new business card for PCAQ and advised him to contact our office if they determine they will remove machine from site.*
- *I gave him inspection summary report advising them to dispose of Hazardous waste within 6 months.*
- *The machine was in compliance due to shutdown status, and store is operating as a drop store only.*

**ADDITIONAL SITE INFORMATION**

<b>Facility Name:</b>	Arome Dry Cleaners
<b>ARMS #:</b>	103 0381

<b>Machine #1:</b>			
Manufacturer	Mira Clean	Capacity	lbs
Model#	Dual 235	Serial#	Mfg yr Model#

<b>Machine #2:</b>			
Manufacturer		Capacity	lbs
Model#		Serial#	Mfg yr Model#

**Notification (unpermitted sources only):**

- 1. Was the facility assisted in filling out the notification by the inspector?  Y  N
- 2. Did the facility insist on filling out its own notification, and will send it to FDEP?  Y  N

**Record keeping :**

- 1. Does facility have statement/specs as to the design accuracy of the temperature sensor?  Y  N  
(Temperature of 45<sup>0</sup>F w/accuracy +/- 2<sup>0</sup>F, or 7.2EC w/accuracy of +/- 1.1<sup>0</sup>C)

**Hazardous Waste:**

- 1. Is all perc. Contaminated wastewater either treated or disposed of properly?  Y  N
- 2. If wastewater is evaporated, is it an approved system, and using carbon filtration?  Y  N
- 3. Does the facility have secondary containment for the dry-dry machine?  Y  N
- 4. Does the facility have secondary containment for any perc. waste containers?  Y  N

**Boiler:**

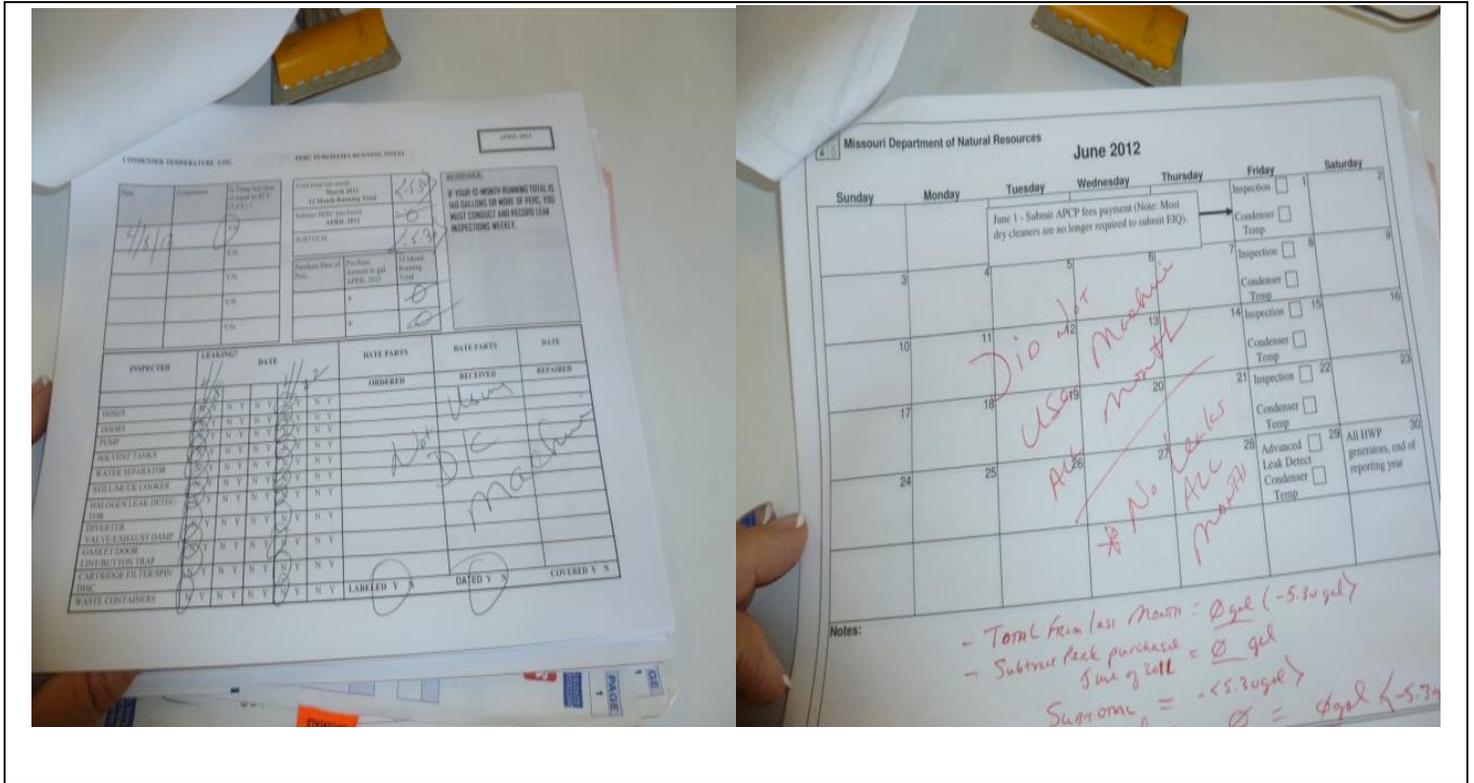
Manufacturer	Fulton	Hp	15
Model #	202GG	Serial	Mfg yr Model #
		#106132	

Fuel Type: Natural gas?

**Comments:** The boiler is maintained in separate room beside dry to dry machine.

# Arome Dry Cleaners

1969 Sunset Point Road, Clearwater



**Project Id:** 84601      **Permit No:** 1030381-005-AG      **Arms Number:** 0381

**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/28/2013 / \_\_\_\_\_

**Source (EU):** Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1990 Mira Clean, Dual 235) with a refrigerated condenser (not required). An exempt 15 HP propane fired boiler is on-site.

**Description:** [The 2012 and 2013 record logs were shown indicating dry cleaning machine not in operation.]

# Arome Dry Cleaners

1969 Sunset Point Road, Clearwater



**Project Id:** 84601      **Permit No:** 1030381-005-AG      **Arms Number:** 0381

**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/28/2013 / \_\_\_\_\_

**Source (EU):** Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1990 Mira Clean, Dual 235) with a refrigerated condenser (not required). An exempt 15 HP propane fired boiler is on-site.

**Description:** [Include: description of equipment and operation / process at the time of the photo, direction of view. – DELETE - DELETE]

# Arome Dry Cleaners

1969 Sunset Point Road, Clearwater



**Project Id:** 84601      **Permit No:** 1030381-005-AG      **Arms Number:** 0381

**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/28/2013 / \_\_\_\_\_

**Source (EU):** Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1990 Mira Clean, Dual 235) with a refrigerated condenser (not required). An exempt 15 HP propane fired boiler is on-site.

**Description:** [This is the front of the Miracle clean machine, the reservoir at the base appears empty.]