

# PERCHLOROETHYLENE DRY CLEANERS

## TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

TYPE OF INSPECTION: ANNUAL  COMPLAINT/DISCOVERY   
 RE-INSPECTION

AIRS ID#:	0250979	DATE:	5/18/99	TIME IN:	11:20	TIME OUT:	11:50
FACILITY NAME:	The Dry Cleaners						
FACILITY LOCATION:	10000 West Flagler St Miami, FL 33174						
RESPONSIBLE OFFICIAL:	Gilberto Rivero			PHONE:	(305) 559-181		
CONTACT NAME:				PHONE:			

RECEIVED  
 JUN - 7 1999  
 Bureau of Air, Noise  
& Mobile Sources

### PART I: NOTIFICATION

(check appropriate box)

1. New facility notified DARM 30 days prior to startup
2. Facility failed to notify DARM to use general permit

### PART II: CLASSIFICATION

Facility indicated on notification form that it is:  
 (check appropriate box)

- No notification form  
 Drop store/out of business/petroleum

A.

- |  |  |
|--|--|
| 1. Existing small area source <input type="checkbox"/><br>dry-to-dry only, $x < 140$ gal/yr<br>transfer only, $x < 200$ gal/yr<br>both types, $x < 140$ gal/yr<br>(constructed before 12/9/91)   | 2. New small area source <input checked="" type="checkbox"/><br>dry-to-dry only, $x < 140$ gal/yr<br>transfer only, $x < 200$ gal/yr<br>both types, $x < 140$ gal/yr<br>(constructed on or after 12/9/91)                                |
| 3. Existing large area source <input type="checkbox"/><br>dry-to-dry only, $140 \leq x \leq 2,100$ gal/yr<br>transfer only, $200 \leq x \leq 1,800$ gal/yr<br>both types, $140 \leq x \leq 1,800$ gal/yr<br>(constructed before 12/9/91) | 4. New large area source <input type="checkbox"/><br>dry-to-dry only, $140 \leq x \leq 2,100$ gal/yr<br>transfer only, $200 \leq x \leq 1,800$ gal/yr<br>both types, $140 \leq x \leq 1,800$ gal/yr<br>(constructed on or after 12/9/91) |
5. 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. The total quantity of perchloroethylene (perc) purchased within the preceding 12 months by this dry cleaning facility was 20 gallons.

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**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?  Y  N  N/A
- 2. Examining the containers for leakage?  Y  N  N/A
- 3. Closing and securing machine doors except during loading/unloading?  Y  N
- 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal?  Y  N  N/A
- 5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications?  Y  N  N/A

**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). Carbon adsorber must have been installed prior to September 22, 1993*

*If classification 4 has been checked, the 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?  Y  N
- 2. Equipped dry-to-dry machines with a closed-loop vapor venting system?  Y  N  N/A
- 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door?  Y  N  N/A
- 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly/bi-weekly basis?  Y  N
- 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F?  Y  N  N/A
- 6. Conducted all temperature monitoring after an appropriate cooldown period and after verifying that the coolant had been completely charged?  Y  N

**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?  Y  N
2. Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly?  Y  N  N/A  
     Is the temperature differential equal to or greater than 20° F?  Y  N  N/A
3. Measured and recorded the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber, if machines are equipped with a carbon adsorber?  Y  N  N/A  
     Is the perc concentration equal to or less than 100 ppm?  Y  N  N/A
4. Assured that the sampling port on the carbon adsorber exhaust for measuring perc concentrations is at least 8 duct diameters downstream of any bend, contraction, or expansion; is at least 2 duct diameters upstream from any bend, contraction, or expansion; and downstream from no other inlet?  Y  N  N/A
5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils?  Y  N  N/A
6. Routed airflow to the carbon adsorber (if used) at all times?  Y  N  N/A

**PART V: RECORDKEEPING REQUIREMENTS**

**Has the responsible official:**  
(check appropriate boxes)

1. Maintained receipts for perc purchased?  Y  N
2. Maintained rolling monthly total of perc consumption?  Y  N
3. Maintained leak detection inspection and repair reports for the following:
  - a. documentation of leaks repaired w/in 24 hrs? or;  Y  N  N/A
  - b. documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt?  Y  N  N/A
4. Maintained calibration data? (for applicable direct reading instruments)  Y  N  N/A
5. Maintained exhaust duct monitoring data on perc concentrations?  Y  N  N/A
6. Maintained startup/shutdown/malfunction plan?  Y  N
7. Maintained deviation reports?  Y  N  N/A  
     Problem corrected?  Y  N  N/A
8. Maintained compliance plan, if applicable?  Y  N  N/A

**PART VI: LEAK DETECTION AND REPAIRS**

1. Does the responsible official conduct a weekly (for small sources, bi-weekly) leak detection and repair inspection?  Y  N

2. Has the facility maintained a leak log?  Y  N

3. Does the responsible official check the following areas for leaks?

Hose connections, fittings, couplings, and valves  Y  N  N/A

Muck cookers  Y  N  N/A

Door gaskets and seating  Y  N  N/A

Stills  Y  N  N/A

Filter gaskets and seating  Y  N  N/A

Exhaust dampers  Y  N  N/A

Pumps  Y  N  N/A

Diverter valves  Y  N  N/A

Solvent tanks and containers  Y  N  N/A

Cartridge filter housings  Y  N  N/A

Water separators  Y  N  N/A

4. Which method of detection is used by the responsible official?

Visual examination (condensed solvent on exterior surfaces)

Physical detection (airflow felt through gaskets)

Odor (noticeable perc odor)

Use of direct-reading instrumentation (FID/PID/calorimetric tubes)

Halogen leak detector

If using direct-reading instrumentation, is the equipment:  N/A

a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm?  Y  N

b. Calibrated against a standard gas prior to and after each use (PID/FID only)?  Y  N

c. Inspected for leaks and obvious signs of wear on a weekly basis?  Y  N

d. Kept in a clean and secure area when not in use?  Y  N

e. Verified for accuracy by use of duplicate samples (calorimetric only)?  Y  N

*Deborah Griner*

Inspector's Name (Please Print)

5/18/99

Date of Inspection

*Deborah Griner*

Inspector's Signature

5/2000

Approximate Date of Next Inspection

ADDITIONAL SITE INFORMATION:

- "Suprema" machine
- Directed Mr. Rivero to contact mechanic to determine whether or not machine has correct temp. sensor for the outlet stream of ref. condenser. Mr. Rivero is to fax DERM results of inquiry.
- If machine does not have correct temp. sensor, Mr. Rivero needs to have one installed within 30 days of this inspection.
- Instructed Mr. Rivero (step-by-step) on how to keep logs in FDEP calendar.

**DRY CLEANER AIR QUALITY GENERAL PERMIT  
ANNUAL COMPLIANCE CERTIFICATION FORM**

FACILITY NAME: The Dry Cleaner DATE: 5/18/99  
 FACILITY LOCATION: 10000 West Flagler St  
Miami, FL 33174

Annual Reporting Period: 12 19 98 TO 5 19 99

Based on each term or condition of the Title V general air permit, my facility has remained in compliance with DER Rule 62-213.300, Florida Administrative Code (F.A.C.), during the period covered by this statement.  YES  NO

If NO, complete the following:

#1. Term or condition of the general permit that has not been in continuous compliance during the reporting period stated above:

Missing leak inspection, 12 month rolling, + ref. condenser logs.

Exact period of non-compliance: from 12/98 to 5/99

Action(s) taken to achieve compliance: Begin keeping logs

Method used to demonstrate compliance: FDEP Calendar.

#2. Term or condition of the general permit that has not been in continuous compliance during the reporting period stated above:

Exact period of non-compliance: from \_\_\_\_\_ to \_\_\_\_\_

Action(s) taken to achieve compliance: \_\_\_\_\_

Method used to demonstrate compliance: \_\_\_\_\_

*As the responsible official, I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, my annual consumption of perchloroethylene solvent, based upon rolling averages of purchase receipts, does not exceed 2,100 gallons per year for dry-to dry facilities or 1,800 gallons per year for transfer or combination facilities.*

RESPONSIBLE OFFICIAL: Gilberto Rivero Signature [Signature] Date 5/18/99  
 Name (Please Print)

\*This form is made available to you as an aid in order to meet your annual compliance certification requirements. It is at the discretion of the responsible official to use this form.

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**TITLE V AIR QUALITY GENERAL PERMIT  
INSPECTION SUMMARY REPORT**

TYPE OF INSPECTION: ANNUAL  COMPLAINT/DISCOVERY  RE-INSPECTION

TIME IN: 11:20	TIME OUT: 11:55	AIRS ID#: 0250979
TYPE OF FACILITY: Perc Dry Cleaner		
FACILITY NAME: The Dry Cleaner	DATE: 5/18/99	
FACILITY LOCATION: 10000 West Flagler St Miami, FL 33174		
RESPONSIBLE OFFICIAL: Gilberto Rivero	PHONE NUMBER: (305)559-2181	

Based on the results of the compliance requirements evaluated during this inspection, the facility is found to be in compliance with DEP Rule 62-213.300, Florida Administrative Code (F.A.C.).

Based on the results of the compliance requirements evaluated during this inspection, the following compliance discrepancies were noted:

COMPLIANCE REQUIREMENT/PROBLEM	FOLLOW-UP ACTION REQUIRED
No bi-weekly leak inspection log.	Begin keeping log in FDEP Calendar.
No monitoring and recording of temp. of outlet side of ref. condenser on a weekly basis.	Begin monitoring + recording temp. on a weekly basis. (FDEP calendar)
No 12 month rolling log of perc purchase.	Begin keeping log in FDEP Calendar.

COMMENTS: RD needs to contact mechanic to determine if the temp. gauge on back of machine is measuring the outlet stream of ref. condenser. Fax DERM a result report at (305)372-6954. If machine does not have the correct sensor, install one within 30 days.

The Annual Compliance Certification form has been properly certified and submitted to the inspector. YES  NO

DATE OF NEXT INSPECTION: 5/2000  
(Approximate)

INSPECTION CONDUCTED BY: Debora Griner  
(Please Print)

INSPECTOR'S SIGNATURE: *Debora Griner* PHONE NUMBER: (305)372-6936