

V

## TITLE V AIR QUALITY GENERAL PERMIT INSPECTION SUMMARY REPORT

TYPE OF INSPECTION: ANNUAL  COMPLAINT/DISCOVERY  RE-INSPECTION

TIME IN: 1215 TIME OUT: 1245 AIRS ID#: 0050067  
 TYPE OF FACILITY: DC  
 FACILITY NAME: Dipic Source Clean #4 DATE: 1.22.97  
 FACILITY LOCATION: 2205 Tyndall PKWY  
PC. FL 32404  
 RESPONSIBLE OFFICIAL: Somen Dean III PHONE NUMBER: 334-749-8383

- 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

COMMENTS: Good Records. "Notification" should be marked "existing large"  
I'll notify Mr Dean. (talked to Bertha Dean 1/24/97 & told him what changes needed to be made + to send me the completed permit w/ copies)

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

DATE OF NEXT INSPECTION: JAN 98  
 (Approximate)

INSPECTION CONDUCTED BY: Charles McNamee (904)  
 (Please Print)

INSPECTOR'S SIGNATURE: Charles McNamee PHONE NUMBER: 441-8361

✓

# PERCHLOROETHYLENE DRY CLEANERS

## TITLE V GENERAL PERMIT COMPLIANCE INSPECTION CHECKLIST

**TYPE OF INSPECTION:**      ANNUAL       COMPLAINT/DISCOVERY   
   RE-INSPECTION

AIRS ID#: <u>0050067</u>	DATE: <u>1-22-97</u>	TIME IN: <u>1215</u>	TIME OUT: <u>1245</u>
FACILITY NAME: <u>Dixie Service Cleaners #24</u>			
FACILITY LOCATION: <u>220 S. Tyndall Pkwy</u> <u>PC. FL 32404</u>			

<b>PART I: NOTIFICATION</b>	
(check appropriate box)	
1. Existing facility notified DARM by 9/1/96	<input checked="" type="checkbox"/>
2. New facility notified DARM 30 days prior to startup	<input type="checkbox"/>
3. Facility failed to notify DARM to use general permit	<input type="checkbox"/>

<b>PART II: CLASSIFICATION</b>	
Facility indicated on notification form that it is: (check appropriate box)	
<b>A.</b>	
1. Existing small area source dry-to-dry only, $x < 140$ gal/yr transfer only, $x < 200$ gal/yr both types, $x < 140$ gal/yr (constructed before 12/9/91)	<input type="checkbox"/>
2. New small area source dry-to-dry only, $x < 140$ gal/yr transfer only, $x < 200$ gal/yr both types, $x < 140$ gal/yr (constructed on or after 12/9/91)	<input type="checkbox"/>
3. Existing large area source dry-to-dry only, $140 < x < 2,100$ gal/yr transfer only, $200 < x < 1,800$ gal/yr both types, $140 < x < 1,800$ gal/yr (constructed before 12/9/91)	<input checked="" type="checkbox"/>
4. New large area source dry-to-dry only, $140 < x < 2,100$ gal/yr transfer only, $200 < x < 1,800$ gal/yr both types, $140 < x < 1,800$ gal/yr (constructed on or after 12/9/91)	<input type="checkbox"/>
This is a correct facility classification <input type="checkbox"/> Y <input type="checkbox"/> N	
If no, please check the appropriate classification:	
<input type="checkbox"/> facility qualified for a general permit as number _____ above	
<input type="checkbox"/> facility exceeds above limits and is not eligible for a general permit	
<b>B.</b> The total quantity of perchloroethylene (perc) purchased within the preceding 12 months by this dry cleaning facility was <u>160</u> gallons.	

**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
- 2. Examining the containers for leakage?  Y  N
- 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
- 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 basis?  Y  N
- 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45°F?  Y  N
- 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?  
Is the temperature differential equal to or greater than 20° F?  Y  N *NA*
- 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?  
Is the perc concentration equal to or less than 100 ppm?  Y  N  N/A *NA*
- 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 *NA*
- 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 averages 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
  - 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
- 4. Maintained calibration data? (for direct reading instruments only)  Y  N  N/A
- 5. Maintained exhaust duct monitoring data on perc concentrations?  Y  N  N/A *NA*
- 6. Maintained startup/shutdown/malfunction plan?  Y  N
- 7. Maintained deviation reports?  
Problem corrected?  Y  N
- 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. 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)
- If using direct-reading instrumentation, is the equipment:
- 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
3. Has the facility maintained a leak log?  Y  N
4. Does the responsible official check the following areas for leaks?
- |   |  |                           |  |
|---|--|---------------------------|--|
| Hose connections, fittings, couplings, and valves | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Muck cookers              | <input type="checkbox"/> Y <input 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 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 <i>NK</i> |
| Solvent tanks and containers                      | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Cartridge filter housings | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N           |
| Water separators                                  | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                           |  |

Somers Dean III

Name of Responsible Official

Charles Norman

Inspector's Name (Please Print)

*Charles Norman*

Inspector's Signature

1.22.97

Date of Inspection

Jan 98

Approximate Date of Next Inspection