PERCHLOROETHYLENE DRY CLEANERS

TITLE V GENERAL PERMIT
COMPLIANCE INSPECTION CHECKLIST

ARMS UPDATED DATE 8-31 BY RL

TYPE OF INSPECTION: ANNUAL ☒ COMPLAINT/DISCOVERY ☐

RE-INSPECTION ☐

Bureau of Air Monitoring & Mobile Sources

AIRS ID#: 0090174 DATE: 7-21-99 TIME IN: 1:00 TIME OUT: 1:30

FACILITY NAME: Masters Cleaners

FACILITY LOCATION: 2490 S. Hopkins Ave.
Titusville, FL

RESPONSIBLE OFFICIAL: Joy Causey PHONE: 407-267-1312

CONTACT NAME: _____ PHONE: _____

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: ☐ No notification form
(check appropriate box) ☐ Drop store/out of business/petroleum

A.

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)

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)

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)

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)

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 214.5 gallons.

14.5
37
39
19.8
39
19.8
19.8
2 2 3
19.5 4 34 3
58.0 117
117
19 5
1 4.5
214.5

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? (maintence comes once a week)	☐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 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 ☐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?

maintence man comes every Friday

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

Randall Cunningham
Inspector's Name (Please Print)

7-21-99
Date of Inspection

Randall C
Inspector's Signature

7-2000
Approximate Date of Next Inspection

ADDITIONAL SITE INFORMATION:

AIRS ID#: 0090124

Revised 09/15/97

DRY CLEANER AIR QUALITY GENERAL PERMIT
ANNUAL COMPLIANCE CERTIFICATION FORM

ACC

FACILITY NAME: Masters Cleaners DATE: 7-21-99

FACILITY LOCATION: 2490 S. Hopkins Ave
Titusville, FL

Annual Reporting Period: July 1998 TO July 1999

Based on each term or condition of the Title V general air permit, my facility has remained in compliance with DEP 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:

Exact period of non-compliance: from _____ to _____

Action(s) taken to achieve compliance: _____

Method used to demonstrate compliance: _____

#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 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: Joy Causey (Name (Please Print)) Joy Causey (Signature) 7-21-99 (Date)

*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.

TITLE V AIR QUALITY GENERAL PERMIT
INSPECTION SUMMARY REPORT

TYPE OF INSPECTION: ANNUAL ☒ COMPLAINT/DISCOVERY ☐ RE-INSPECTION ☐

TIME IN: 1:00 TIME OUT: 1:30 AIRS ID#: 0090174

TYPE OF FACILITY: Dry Cleaner

FACILITY NAME: Masters Cleaners DATE: 7-21-99

FACILITY LOCATION: 2490 S. Hopkins Ave.
Titusville, FL

RESPONSIBLE OFFICIAL: Joy Causey PHONE NUMBER: 407-267-1302

☒ 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:

In Compliance

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

DATE OF NEXT INSPECTION: 7-2000 (Approximate)

INSPECTION CONDUCTED BY: Randall Cunningham (Please Print)

INSPECTOR'S SIGNATURE: Randall Cunningham PHONE NUMBER: 407-893-3333

Revised 10/96