PERCHLOROETHYLENE DRY CLEANERS
TITLE V GENERAL PERMIT
COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0090143 **DATE:** 11/13/96 **TIME IN:** 11:20 **TIME OUT:** 12:05
FACILITY NAME: Sun Clean Dry Cleaners
FACILITY LOCATION: 310 N Harbor City Blvd
Melbourne

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:
(check appropriate box)

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)

This is a correct facility classification ☐Y ☐N

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 _____ gallons. ~500 gal

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? 1 machine of 3	☐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? ☐Y ☐N

   Is the temperature differential equal to or greater than 20° F? ☐Y ☐N

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

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

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? X Currently Temp Only ☒Y ☐N
6. Maintained startup/shutdown/malfunction plan? ☒Y ☐N
7. Maintained deviation reports? ☒Y ☐N

   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 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	☒Y	☐N	Muck cookers	☒Y	☐N
Door gaskets and seating	☒Y	☐N	Stills	☒Y	☐N
Filter gaskets and seating	☒Y	☐N	Exhaust dampers	☒Y	☐N
Pumps	☒Y	☐N	Diverter valves	☒Y	☐N
Solvent tanks and containers	☒Y	☐N	Cartridge filter housings	☒Y	☐N
Water separators	☒Y	☐N			

Joseph G Begin
Name of Responsible Official

Sheila Schneider
Inspector's Name (Please Print)

11/13/96
Date of Inspection

Sheila O Schneider
Inspector's Signature

11/13/97
Approximate Date of Next Inspection

ADDITIONAL SITE INFORMATION: