



PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0210079 **DATE:** 09-26-2012 **ARRIVE:** _____ **DEPART:** _____

FACILITY NAME: PAYLESS DC-DAVIS BLVD

FACILITY LOCATION: 3883 DAVIS BLVD
 NAPLES 34104-5007

OWNER/AUTHORIZED REPRESENTATIVE: GEORGE GREENFIELD **PHONE:** (239)403-9900
Email: **Mobile:**

CONTACT NAME: **PHONE:**
Email: **Mobile:**

ENTITLEMENT PERIOD: 4/8/2010 / 4/8/2015
 (effective date) (end date)

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: FACILITY CLASSIFICATION - Rule 62-213.300 FAC
 (check only one box in A)

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, $140 \leq x \leq 2,100$ gal/yr
 transfer only, $200 \leq x \leq 1,800$ gal/yr
 both types, $140 \leq x \leq 1,800$ gal/yr
 (constructed before 12/9/91)

4. New large area source
 dry-to-dry only, $140 \leq x \leq 2,100$ gal/yr
 transfer only, $200 \leq x \leq 1,800$ gal/yr
 both types, $140 \leq x \leq 1,800$ gal/yr
 (constructed on or after 12/9/91)

5. Ineligible for General Permit
 d rop store/out of business/petroleum /
 facility exceeds above limits

B. The sum of the volume of all perchloroethylene (perc) purchases made in each of the previous 12 months by this dry cleaning facility was 30.00 gallons.

PART III: GENERAL CONTROL REQUIREMENTS – Rule 62-213.300 FAC

(check only one box for each question)

1. Is all perc, and wastes containing perc, in tightly sealed & impervious containers? ----- Yes No N/A
2. Are all perc. containers leak free? ----- Yes No N/A
3. Are all machine doors kept closed and secured except during loading/unloading? ----- Yes No
4. Are cartridge filters drained in their housing or in sealed containers for at least 24 hours prior to disposal? ----- Yes No N/A
5. Has each dry cleaning system installed after December 21, 2005 at an area source, routed the air-PCE gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser and passed the air-PCE gas-vapor stream from inside the dry cleaning machine drum through a non-vented carbon adsorber or equivalent control device immediately before the door of the dry cleaning machine is opened? The carbon adsorber must be desorbed in accordance with manufacturer's instructions. ----- Yes No N/A
6. Is solvent-to-carbon ratios and steam pressure for carbon adsorber beds maintain according to the manufacturer's specifications? ----- Yes No N/A

PART IV: PROCESS VENT CONTROLS – Rule 62-213.300 FAC

(Refer to Part II-A.1.-4. Classification: page 1 of 4, this form)

1. If the facility classification is an **existing small area source**, no controls are required. **Proceed to Part V.**
2. If the facility classification is a **new small area source**, the machine should be equipped with a refrigerated condenser. **Complete section A. below.**
3. If the facility classification is an **existing large area source**, the machine should be equipped with either a refrigerated condenser or a carbon adsorber. **Complete both sections A and B below.** *Carbon adsorber must have been installed prior to September 22, 1993*
4. If the facility classification is a **new large area source**, the machine should be equipped with a refrigerated condenser. **Complete both sections A and B below.**

A. Has the responsible official of all existing large area & new sources:

(check only one box for each question)

1. Equipped all machines with the appropriate vent controls? ----- Yes No
2. Equipped dry-to-dry machines with a closed-loop vapor venting system? ----- Yes No N/A
3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? ----- Yes No N/A
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis? ----- Yes No N/A
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F? ----- Yes No N/A
6. Conducted all temperature monitoring after an appropriate cool-down period and after verifying that the coolant had been completely charged? ----- Yes No

PART IV: PROCESS VENT CONTROLS – Rule 62-213.300 FAC (continued)

B. For all existing large or new large area sources:

1. Is the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines measured and recorded on a weekly basis? ----- Yes No
2. Is the washer exhaust temperature at the condenser inlet and outlet measured and recorded weekly? ----- Yes No N/A
 - a) Is the temperature differential equal to, or greater than 20° F? ----- Yes No N/A
3. Is the perc concentration in the exhaust stream inlet and outlet measured weekly at the end of the final drying cycle while the machine is venting to the adsorber, if machines are equipped exclusively with a carbon adsorber? ----- Yes No N/A
 - a) Is the perc concentration equal to, or less than 100 ppm? ----- Yes No N/A
4. Is the sampling port on the carbon adsorber exhaust for measuring perc concentrations 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? ----- Yes No N/A
5. Are transfer machines equipped (dryers, reclaimers, and washers) with individual condenser coils? ----- Yes No N/A
6. Is airflow routed to the carbon adsorber (if used) at all times? ----- Yes No N/A

PART V: RECORDKEEPING REQUIREMENTS – Rule 62-213.300(3) FAC

(check only one box for each question)

1. Are receipts maintained for all perc purchased? ----- Yes No
2. Are rolling monthly totals of yearly perc consumption maintained? ----- Yes No
3. Are leak detection inspection and repair reports maintained for the following:
 - a) Of any leaks repaired w/in 24 hrs? or; ----- Yes No N/A
 - b) Of any parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? ----- Yes No N/A
4. Is calibration data maintained for applicable direct reading instruments? ----- Yes No N/A
5. Is exhaust duct monitoring data on perc concentrations maintained? ----- Yes No N/A
6. Is a startup/shutdown/malfunction plan maintained for each machine? ----- Yes No
7. Are deviation reports maintained? ----- Yes No N/A
 - a) Problem corrected? ----- Yes No N/A
8. Is a compliance plan maintained, if applicable? ----- Yes No N/A

PART VI: LEAK DETECTION AND REPAIRS – Rule 62-213.300 FAC

(check only one box for each question)

1. What type of leak detection equipment is used to detect leaks?
 Halogenated hydrocarbon detector PCE gas analyzer None used
2. Is the halogenated hydrocarbon detector or PCE gas analyzer operated according to the manufacturer's instructions (*manual was available and RO could demonstrate procedure*) ? ----- Yes No
3. For major sources is the halogenated hydrocarbon detector or PCE gas analyzer operated according to EPA Method 21 ?- ----- Yes No N/A
4. 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? ----- Yes No
5. 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 (*based on documented specifications*) ? ----- Yes No N/A
6. Is the halogenated hydrocarbon detector capable of detecting vapor concentrations of PCE of 25 parts per million by volume (*based on documented specifications*) 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? ----- Yes No N/A
7. 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)

a) Hose connections, fittings, couplings, and valves ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	g) Muck cookers ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
b) Door gaskets and seating ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	h) Stills ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
c) Filter gaskets and seating ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	i) Exhaust dampers ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
d) Pumps ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	j) Diverter valves ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
e) Solvent tanks and containers -- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	k) Cartridge filter housings <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
f) Water separators ----- <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
8. 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)*)

a) Hose connections, fittings, couplings, and valves ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	g) Muck cookers ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
b) Door gaskets and seating ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	h) Stills ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
c) Filter gaskets and seating ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	i) Exhaust dampers ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
d) Pumps ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	j) Diverter valves ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
e) Solvent tanks and containers -- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	k) Cartridge filter housings <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
f) Water separators ----- <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

PART VI: LEAK DETECTION AND REPAIRS – Rule 62-213.300 FAC (continued)

9. What evidence suggests that leak checks are performed as required?

- Leak log documentation RO Assurances On-site observation other

Explain other : The facility is recording weekly perceptible leak checks on the compliance calendar. However, Mr. Greenfield indicated the halogen detector is only used every 2-3 months or if a perceptible odor is noted.

Laura Comer & Robert Stewart

09-26-2012

Inspector's Name (Please Print)

Date of Inspection

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: Mr. Greenfield was the point of contact for this inspection. In approximately September 2011 the facility put into service a 2001 Union Model ES48 dry cleaning unit (machine #N 606-N1-0397-A). Mr. Greenfield said the machine is operated a couple of times a week. It was not running at the time of the inspection.

Noncompliance Items

III.1) A used filter from the wastewater treatment unit was sitting on top of the unit (over secondary containment) at the time of the inspection. Mr. Greenfield was advised to place the filter in a closed container immediately. On 9/27 Mr. Greenfield called and said the filter had been put in a closed drum.

III.2) Two drums containing perc were noted to have cracked lids. The cracks were covered with duct tape, however, this is not sufficient to prevent the release of perchloroethylene and the lids should be replaced immediately. On 9/27 Mr. Greenfield said he has contacted the waste hauler to get the drums picked up.

IV.A.6) Temperature monitoring was recorded on the calendar and was notably consistent. Mr. Greenfield indicated the gauge is read about 1/2 way through the cycle. Please ensure that users are recording the actual temperature at the END of the cool-down period after the coolant has been completely charged.

V.1) One receipt for 7/12/12 was reviewed during the inspection. Mr. Greenfield said the additional receipt was on-site in a box but he would need time to go through them. Immediately following the inspection Phenix faxed a summary of purchases for the most recent 12 months which included the July purchase and a 3/8/12 purchase for 15 gallons each. Mr. Greenfield originally said there was one more purchase from Tampa Bay but contacted us on 9/27 to say that Tampa Bay has not delivered perc in the last 18 months.

V.2) The 3/8/12 purchase was the only purchase noted on the calendar other than 15 gallons noted to be placed in the machine when it was installed in September 2011. The facility is required to keep a rolling monthly total of yearly perc consumption and the calendar is an easy way to maintain this record.

V.6) The facility had a plan posted on the machine describing some maintenance processes. However, the S/S/M plan needs to specifically describe how to startup the machine, how to shut it down, and what to do in the event of a malfunction. Please submit a copy of the S/S/M plan to the Department.

VI.8) The facility must inspect the dry cleaning system components MONTHLY for vapor leaks using the hydrocarbon detector.

Additional Comments

III.4) The facility indicated that the dc machine filters have not been changed since the unit was installed approximately one year ago. Mr. Greenfield was advised to review the maintenance requirements for these filters and to ensure that once they are changed they are drained in their housing or in sealed containers for at least 24 hours prior to disposal.

IV.A.5) Mr. Greenfield said he just completed repairs on the refrigerated condenser after noting a temperature change. He said this was not noted on the calendar as it was noted between weekly inspections. It is recommended that all repairs and maintenance be recorded on the compliance calendar for ease of review during future inspections.

Please provide a written response indicating how these items have been addressed.