



PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 1030376 **DATE:** 1/18/2007 **ARRIVE:** 12:15PM **DEPART:** 1:00PM

FACILITY NAME: YATES CLEANERS PLANT

FACILITY LOCATION: 710 Missouri Avenue
CLEARWATER 33756

RESPONSIBLE OFFICIAL: ROBERT YATES

PHONE: (727)446-1963

CONTACT NAME: ROBERT YATES

PHONE: (

REMITTANCE YEAR: 2006

ENTITLEMENT PERIOD: /
(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 ☐

drop store/out of business/petroleum
facility exceeds above limits

B. The total quantity of perchloroethylene (perc) purchased within the preceding 12 months by this dry cleaning facility was 75.6 gallons.

PART III: GENERAL CONTROL REQUIREMENTS – Rule 62-213.300 FAC(check ☒ only one box
for each question)**Does the responsible official of the dry cleaning facility:**

1. Store perc, and wastes containing perc, in tightly sealed & impervious containers? ☒ Yes ☐ No ☐ N/A
2. Examine the containers for leakage? ----- ☒ Yes ☐ No ☐ N/A
3. Close and secure machine doors except during loading/unloading? ----- ☒ Yes ☐ No
4. Drain cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? ----- ☒ Yes ☐ No ☐ N/A
5. Maintain solvent-to-carbon ratios and steam pressure for carbon adsorber beds 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 a **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 a **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
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. Does the responsible official of an existing large or new large area source also:**(check ☒ only one box for each question)

1. Measure and record the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? ----- ☒ Yes ☐ No
2. Measure and record the washer exhaust temperature at the condenser inlet and outlet weekly? ----- ☐ Yes ☐ No ☒ N/A
 - a) Is the temperature differential equal to, or greater than 20° F? ----- ☐ Yes ☐ No ☒ N/A
3. Measure and record 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 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. Assure 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? ----- ☐ Yes ☐ No ☒ N/A
5. Equip transfer machines (dryers, reclaimers, and washers) with individual condenser coils? ----- ☐ Yes ☐ No ☒ N/A
6. Route airflow to the carbon adsorber (if used) at all times? ----- ☐ Yes ☐ No ☒ N/A

PART V: RECORDKEEPING REQUIREMENTS – Rule 62-213.300(3) FAC**Does the responsible official:**(check ☒ only one box for each question)

1. Maintain receipts for perc purchased? ----- ☒ Yes ☐ No
2. Maintain rolling monthly total of yearly perc consumption? ----- ☒ Yes ☐ No
3. Maintain leak detection inspection and repair reports for the following:
 - a) documentation of leaks repaired w/in 24 hrs? or; ----- ☐ Yes ☐ No ☒ 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? ----- ☐ Yes ☐ No ☒ N/A
4. Maintain calibration data? (*for applicable direct reading instruments*) ----- ☐ Yes ☐ No ☒ N/A
5. Maintain exhaust duct monitoring data on perc concentrations? ----- ☐ Yes ☐ No ☒ N/A
6. Maintain a startup/shutdown/malfunction plan? ----- ☒ Yes ☐ No
7. Maintain deviation reports? ----- ☐ Yes ☐ No ☒ N/A
 - a) Problem corrected? ----- ☐ Yes ☐ No ☒ N/A
8. Maintain a compliance plan, 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. Does the responsible official conduct a weekly (for small sources, bi-weekly) leak

detection and repair inspection? -----	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
2. Does the facility maintain a leak log? -----	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
3. Does the responsible official check the following areas for leaks?		
a) Hose connections, fittings, couplings, and valves -----	<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
c) Filter gaskets and seating -----	<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
e) Solvent tanks and containers--	<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
g) Muck cookers -----	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
h) Stills -----	<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
j) Diverter valves -----	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
k) Cartridge filter housings	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
4. Which method(s) of detection (is/are) used by the responsible official?		
a) Visual examination (condensed solvent on exterior surfaces) -----	<input checked="" type="checkbox"/>	
b) Physical detection (airflow felt through gaskets) -----	<input checked="" type="checkbox"/>	
c) Odor (noticeable perc odor) -----	<input checked="" type="checkbox"/>	
d) Use of direct-reading instrumentation (FID/PID/calorimetric tubes) -----	<input type="checkbox"/> **(see below)	
e) Halogen leak detector -----	<input checked="" type="checkbox"/>	
**If using direct-reading instrumentation, is the equipment: ----- ** <input type="checkbox"/> N/A		
1) Capable of detecting perc vapor concentrations in a range of 0-500 ppm? -----	1) <input type="checkbox"/> Yes <input type="checkbox"/> No	
2) Calibrated against a standard gas prior to and after each use (PID/FID only)? -----	2) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3) Inspected for leaks and obvious signs of wear on a weekly basis? -----	3) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
4) Kept in a clean and secure area when not in use? -----	4) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5) Verified for accuracy by use of duplicate samples (calorimetric only)? -----	5) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Shea Jackson

1/18/2007

_____ Inspector's Name (Please Print)	_____ Date of Inspection
_____ Inspector's Signature	_____ Approximate Date of Next Inspection

COMMENTS:

- During the inspection of this facility, I met with the responsible official, Robert Yates.
- I reviewed the calendars, 2006 and the new 2007 calendar, the perchloroethylene usage, temperature and observation checks were up to date. The current Perc 12- month total was 75.6 gallons. Mr. Yates stated there has also been a reduction of dry cleaning; and they have been doing regular soap washing more.
- The temperature observation and checks were typically recorded as 7°C during the cool down cycle. I asked Mr. Yates if that was always the same or if the machine indicates more or less then that temperature during the cool down. He stated it some times is as low as 2°C. I told him to record the temperatures as he observed them. I looked at the purchase invoices and waste manifest records. Safety Kleen picks up the waste every 2 months. I observed the waste manifest Invoice #422277 and 30 gallons were sent out by Safety Kleen. Mr. Yates stated he has considered the use hydro carbon, if he obtains a new machine.
- Mr. Yates has a Halogen Hi Tech 300 meter, which he states is what he uses weekly to check for Perchloroethylene leaks. I advised him that all facilities with new rule changes would be required to obtain meters for checking the cleaning machines by July 27, 2008.
- Mr. Yates stated he had filled out his permit registration/notification and sent back to BAMM. I told him I was going to check to see if they had received. The GCPI data system indicated that the permit had been processed on 1/5/2007, for 1030376-003AG. I observed the dry cleaning equipment during operation. The dryer was in operation at the time of inspection. The equipment was in drying cycle. I did not detect perchloroethylene odors during the observation behind the dryer. Mr. Yates has a new Aqua Gone water separator for filtering his water. I noted that the still has some sludge waste in it, and advised Mr. Yates it had to have a cover for the still compartment area, or when done should promptly be removed to the closed hazardous waste containers. I explained to him that any waste, which could contain Perc, should be in closed container to prevent evaporation of perc. He removed waste and put in Hazardous waste containers in another room outside of the shop. He stated he cleaned out, before I arrived for inspection. He stated he had never heard of a cover for the still containers. I informed him then he should be sure to remove it to waste receptacles, as soon as he cleans out the still.

- Mr. Yates purchased a second dry cleaning machine. It is not operational at this time. He is using it for parts. I observed the dry cleaning equipment; it was the same brand, different Model RS-373. The equipment did not contain any Perc and was not connected to any utilities. It was partially dismantled as some parts had already been disconnected for use on the operational dry cleaning machine. Mr. Yates stated his machine has been operating better, and appears to need less perc. I advised Mr. Yates as long as he is only using for parts, I believe he is ok. I told him if he had decided to use the machine for cleaning would have to get make a change his general permit prior to its operation.