

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? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 2. Examining the containers for leakage? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 3. Closing and securing machine doors except during loading/unloading? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |

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). A Carbon adsorber must have been installed prior to September 22, 1993.

If classification (4) has been checked, 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? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 2. Equipped dry-to-dry machines with a closed-loop vapor venting system? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F? | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input checked="" type="checkbox"/> NA |
| 6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |

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? | <input checked="" type="checkbox"/> Y | <input type="checkbox"/> N | |
| 2. Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly?
Is the temperature differential equal to or less than 10° F? | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 3. Measured and recorded the perchloroethylene concentration weekly at the end of the final drying cycle while the machine is venting through a carbon adsorber, if machines are equipped with a carbon adsorber?
Is the perchloroethylene concentration or less than 100 ppm? | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |
| 4. Assured that the solvent gas position on adsorber exhaust for measuring perc. | <input type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |

concentrations is at least 8 duct diameters downstream of any bend, contraction, or expansion; is at least 2 dust diameters upstream from any bend contraction, or expansion; and downstream from no other inlet?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA
5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA
6. Routed airflow to the carbon adsorber (if used) at all times?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA

PART V: RECORDKEEPING REQUIREMENTS

Has the responsible official:
(Check appropriate boxes)

1. Maintained receipts for perc purchased?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
2. Maintained rolling monthly averages of perc consumption?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
3. Maintained leak detection inspection and repair reports for the following:			
a. Documentation of leaks repaired w/in 24 hrs? or;	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
b. Documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
4. Maintained calibration data? (<i>direct reading instruments only</i>)	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
5. Maintained exhaust duct monitoring data on perc concentrations?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
6. Maintained startup/shutdown/malfunction plan?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	
7. Maintained deviation reports?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
Problem corrected?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
8. Maintained compliance plan, if applicable?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA

PART VI: LEAK DETECTION AND REPAIRS

1. Does the responsible official conduct weekly leak detection and repair inspection?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
2. Which method of detection does the responsible official use?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Visual examination (condensed solvent of exterior surfaces)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Physical detection (airflow felt through gaskets)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Odor (noticeable perc odor)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Use of direct-reading instrumentation (FID/PID/calorimetric tubes)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
If using direct-reading instrumentation, is the equipment:	<input type="checkbox"/> Y	<input type="checkbox"/> N
a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm	<input type="checkbox"/> Y	<input type="checkbox"/> N
b. Calibrated against a standard gas prior to and after each use (PID/FID only).	<input type="checkbox"/> Y	<input type="checkbox"/> N
c. Inspected for leaks and obvious signs of wear on a weekly basis?	<input type="checkbox"/> Y	<input type="checkbox"/> N
d. Kept in a clean and secure area when not in use.	<input type="checkbox"/> Y	<input type="checkbox"/> N
e. Verified for accuracy by use of duplicate samples (calorimetric only)?	<input type="checkbox"/> Y	<input type="checkbox"/> N
3. Has the facility maintained a leak log?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
4. The following area should be checked for leaks by the operator:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Hose connections, fitting couplings, and valves	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Door gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Filter gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Pumps	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Solvent tanks and containers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Water separators	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Muck cookers	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Stills	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Exhaust dampers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Diverter valves	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Cartridge Filter housing	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Shea Jackson	January 24, 2012
Inspector's Name (Please Print)	Date of Inspection
Inspector's Signature	Within one year of this inspection
	Date of Next Inspection

System Inspection and Leak Detection

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.) Y N NA

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).) Y N NA

- (1) Hose and pipe connections, fittings, couplings, and valves;
- (2) Door gaskets and seatings;
- (3) Filter gaskets and seatings;
- (4) Pumps;
- (5) Solvent tanks and containers;
- (6) Water separators;
- (7) Muck cookers;
- (8) Stills;
- (9) Exhaust dampers;
- (10) Diverter valves; and
- (11) All Filter housings

Is the halogenated hydrocarbon detector or PCE gas analyzer operated according to the manufacturer's instructions? Y N NA

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? Y N NA

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? Y N NA

Is the halogenated hydrocarbon detector capable of detecting vapor concentrations of PCE of 25 parts per million by volume 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? Y N NA

ADDITIONAL SITE INFORMATION

Facility Name: Fashion Cleaners & Shirt Laundry, Inc.

ARMS #: 103 0318

Inspection Comments:

- *I met with the facility responsible official, Mr. Song, for this inspection.*
- *I observed the Union L8602000 dryer in operation at time of inspection. Clothes were removed and another cycle was started. There were no Perc odors detected during the observations of the machine during operations.*
- *There is a second dry to dry machine, a Fluomatic- BT37. This machine has been permanently shutdown. It does not contain Perc and has not been operational since October 2005 due to the condenser leaks. The machine's perchloroethylene reservoir is empty. Mr. Song stated he will be having it removed when economically possible. Note this is stated every year.*
- *Mr. Song is using the Phoenix Perchloroethylene vendor's record calendar for keeping the temperature and leak observation checks. I reviewed the 2011 and 2012 calendar records they were up to date with last observation of January 23, 2012.*
- *Mr. Song is recording temperatures and leak check observations and the perchloroethylene usage of the Union 2002 dry cleaning machine only.*
- *Mr. Song's observations of the cool down cycle temperatures readings ranged from 31°F – 36°F for the 2011 and 2012 year.*
- *The highest Perc monthly total was 33.29 gallons for month of January 2012.*
- *The most recent P.O. purchase was dated 2/21/2011 for 19.30 gallons. (See photos)*
- *The hazardous waste invoice showed the most recent disposal to be on 1/4/2012 for 150 lbs of Perc waste. The hazardous waste receptacle was in place on secondary containment receptacle next to the Union dry to dry machine. (See photos)*
- *The additional waste receptacles were observed as in secondary containment in the outside boiler room area. (See photo)*
- *The Fulton 30 HP boiler is located in adjacent room on the north side of the facility. (See photo)*
- *Mr. Songs uses a Tif XL – 1A Halogen detector to check the equipment for leaks. The detector was located at the rear of the dry to dry machine. Mr. Song turned on and showed was functional. There were no Perc leaks detected during inspection of equipment.*
- *I left Mr. Song copies of the P2 pamphlet, and discussed the use of Drysolv and Fabrisolv for alternative for Perc usage. Mr. Song stated he is considering the use of the Hydrocarbon solvents.*
- *I gave Mr. Song the inspection summary. This facility is considered to be in compliance at this time.*

ADDITIONAL SITE INFORMATION

Facility Name:	Fashion Cleaners & Shirt Laundry, Inc.
ARMS #:	103 0318

Machine #1:			
Manufacturer	Union 2000	Capacity	lbs
Model#		Serial#	Mfg yr 2002
		L8602000	
Machine #2: Fluomatic BT37			
Manufacturer		Capacity	lbs
Model#		Serial#	Mfg yr 1996

Notification (unpermitted sources only):

- 1. Was the facility assisted in filling out the notification by the inspector? Y N
- 2. Did the facility insist on filling out its own notification, and will send it to FDEP? Y N

Record keeping :

- 1. Does facility have statement/specs as to the design accuracy of the temperature sensor? Y N
(Temperature of 45⁰F w/accuracy +/- 2⁰F, or 7.2EC w/accuracy of +/- 1.1⁰C)

Hazardous Waste:

- 1. Is all perc. contaminated wastewater either treated or disposed of properly? Y N
- 2. If wastewater is evaporated, is it an approved system, and using carbon filtration? Y N
- 3. Does the facility have secondary containment for the dry-dry machine? Y N
- 4. Does the facility have secondary containment for any perc. waste containers? Y N

Boiler:

Manufacturer	Fulton		Hp
Model #	F8-030-A	Serial #	1030668 Mfg yr 2007

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: Boiler is Exempt

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Fashion Cleaners & Shirt Laundry, Inc. Fashion Cleaners

1152 Court Street, Clearwater



Project Id: 80736 **Permit No:** 1030318-004-AG **Arms Number:**

Inspector: Shea Jackson **Inspection Date / Time:** 1/24/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (Union 2002) with a refrigerated condenser. An exempt 30 HP natural gas fired boiler is on-site.

Description: [The union dry to dry machine was in operation at this time.]

Fashion Cleaners & Shirt Laundry, Inc. Fashion Cleaners

1152 Court Street, Clearwater



Project Id: 80736 **Permit No:** 1030318-004-AG **Arms Number:**

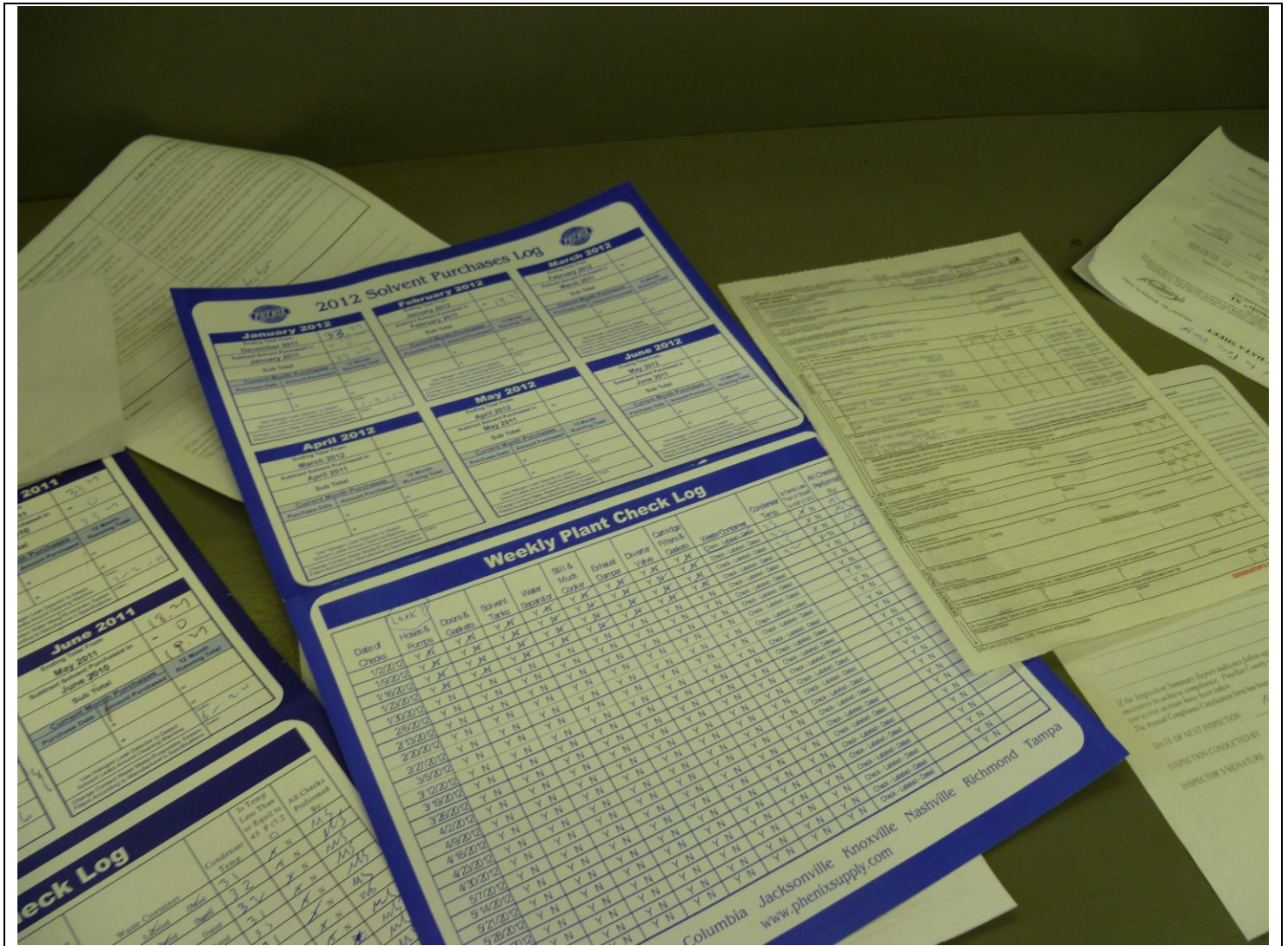
Inspector: Shea Jackson **Inspection Date / Time:** 1/24/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (Union 2002) with a refrigerated condenser. An exempt 30 HP natural gas fired boiler is on-site.

Description: [The rear of machine, no Perc odors or leaks detected. Containers are closed and lined for easy clean up and Hazardous waste disposal.]

Fashion Cleaners & Shirt Laundry, Inc. Fashion Cleaners

1152 Court Street, Clearwater



Project Id: 80736 **Permit No:** 1030318-004-AG **Arms Number:**

Inspector: Shea Jackson **Inspection Date / Time:** 1/24/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (Union 2002) with a refrigerated condenser. An exempt 30 HP natural gas fired boiler is on-site.

Description: [The 2011 and 2012 records for leak and temperature observations, with purchase orders and hazardous waste invoices.]

Fashion Cleaners & Shirt Laundry, Inc. Fashion Cleaners

1152 Court Street, Clearwater



Project Id: 80736 **Permit No:** 1030318-004-AG **Arms Number:**

Inspector: Shea Jackson **Inspection Date / Time:** 1/24/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (Union 2002) with a refrigerated condenser. An exempt 30 HP natural gas fired boiler is on-site.

Description: [The hazardous waste drums in secondary containment located in outside storage area.]