



PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0462	Date: 1/31/2011	Time In: 1:00PM	Time Out: 1:30PM
Facility Name:	Awesome Value Cleaners LLC		
Facility Location:	926 Cleveland Street Clearwater, FL, 33755		
Responsible Official:	Jose Roman	Phone No:	727-446-8465
Emis. Unit Description:	New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler		
Permit Number:	1030462-005-AG	Exp. Date:	11/18/2014
Facility Contact:	Chetan Shah	Phone:	727-446-8465
Compliance Status:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> MNC <input type="checkbox"/> SNC		

PART I: NOTIFICATION (Check appropriate box)

- Existing facility notified DARM by 9/1/96
- New facility notified DARM 30 days prior to startup
- Facility failed to notify DARM to use general permit

PART II: CLASSIFICATION

Facility indicated on notification form that it is:

- No Notification Form Drop-Off Store Out of business Petroleum Solvent Only

- A.**
- | | |
|---|---|
| <u>1. Existing small area source</u>
Dry-to-dry only, x <140 gal/yr
Transfer only, x <200 gal/yr <input type="checkbox"/>
Both types, x <140 gal/yr
(Constructed before 12/9/91) | <u>2. New small area source</u>
Dry-to-dry only, x <140 gal/yr
Transfer only, x <200 gal/yr <input checked="" type="checkbox"/>
Both types, x <140 gal/yr
(Constructed on or after 12/9/91) |
| <u>3. Existing large area source</u>
Dry-to-dry only, 140> x <2,100 gal/yr
Transfer only, 200> x <1,800 gal/yr <input type="checkbox"/>
Both types, 140> x <1,800 gal/yr
(Constructed before 12/9/91) | <u>4. New large area source</u>
Dry-to-dry only, 140> x <2,100 gal/yr
Transfer only, 200> x <1,800 gal/yr <input type="checkbox"/>
Both types, 140> x <1,800 gal/yr
(Constructed on or after 12/9/91) |

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 2 above.
 Facility exceeds above limits and is not eligible for a general permit

B. Highest 12-month consecutive total of perchloroethylene purchased in the preceding 12-month period: 89 Gallons. Month with highest use was August 2010. Did facility exceed limits Y N

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 | |
| 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 checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input 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? Y N
2. Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly?
Is the temperature differential equal to or greater than 10°F? Y N NA
 Y N NA
3. Measured and recorded the perc concentration weekly at the end of the final drying cycle while the machine is venting to the atmosphere. If machines are equipped with a carbon adsorber?
Is the perc concentration or less than 10 ppm? Y N NA
 Y N NA
4. Assured that the sampling position on adsorber exhaust for measuring perc. concentrations is at least 10 duct diameters downstream of any bend, contraction, or expansion; is at least 10 diameters upstream from any bend contraction, or expansion; and downstream from the condenser inlet? Y N NA
5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? Y N NA
6. Routed airflow to the carbon adsorber (if used) at all times? Y N NA

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 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? Y N NA
4. Maintained calibration data? (*direct reading instruments only*) Y N NA
5. Maintained exhaust duct monitoring data on perc concentrations? Y N NA
6. Maintained startup/shutdown/malfunction plan? Y N
7. Maintained deviation reports?
Problem corrected? Y N NA
 Y N NA
8. Maintained compliance plan, if applicable? Y N 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 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 31, 2010
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:	Awesome Value Cleaners LLC
ARMS #:	103 0462

Inspection Comments:

- *I performed an inspection of this facility with Mr. Jose Roman, the responsible official of the dry cleaning facility.*
- *Mr. Roman is the operator for the dry to dry and he maintains the calendar records, purchase orders, waste manifest, and performs the leak checks and temperature observations.*
- *I observed the dry cleaning equipment it was in the dry to dry cycle during operation at this time.*
- *The facility uses a TIF RX1A Halogen detector, it is SAE 1627 Certified.*
- *I observed Mr. Roman check the machine with the halogen leak detector. There were no perchloroethylene odors from the unit. The equipment appears to be maintained, no leakage observed during detector check of dry to dry machine. (see Photos)*
- *Mr. Roman stated the button trap handle had broken, so he had secured it with a tie down to keep from leaking. I asked him to check with detector, and he did demonstrating it was not leaking at this time. He stated he had the part on order and would be repaired the next time the maintenance contractor was on site.*
- *I reviewed the calendar and Perc usage records. The most recent perc purchase was for two 15 gallons on November 20, 2010. The Highest 12 month monthly consecutive total was for August 2010 at 89 gallons. The current rolling total for January is 74 gallons. The facility is not purchasing Perc as often because slow economy.*
- *The temperature recordings for the dryer for the weekly checks ranged from 41° F – 44° F. I informed Mr. Roman that this was an older machine and that it was getting close to the 45°F, and that he should be careful to prevent it exceeding that temperature during the cool down process. Mr. Roman stated he has the maintenance contractor check the refrigerant monthly to make sure dry to dry will not exceed 45°F.*
- *I gave Mr. Roman copies of the p2 brochure and dry cleaning pollution prevention pamphlet.*
- *The facility appears to be in compliance at this time*

ADDITIONAL SITE INFORMATION

Facility Name:	Awesome Value Cleaners LLC
ARMS #:	103 0462

Machine #1:				
Manufacturer	Patriot System	Capacity	40	lbs
Model#	Renazacc	Serial#		Mfg yr 1996

Machine #2:				
Manufacturer		Capacity		lbs
Model#		Serial#		Mfg yr

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	Thomas	Hp	30	
Model #	PFDH 30	Serial #	53041	Mfg yr 1979

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: The Boiler is exempt, and is located in a separate building to the north side of the shop

Awesome Value Cleaners LLC Plant Diamond

926 Cleveland Street, Clearwater



Project Id: 75729 **Permit No:** 1030462-005-AG **Arms Number:** 0462

Inspector: Shea Jackson **Inspection Date / Time:** 1/31/2011

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler

Description: [This is the record keeping calendar for the 2011 year. The check was performed on 1/24/2011.]

Awesome Value Cleaners LLC Plant Diamond

926 Cleveland Street, Clearwater



Project Id: 75729 **Permit No:** 1030462-005-AG **Arms Number:** 0462

Inspector: Shea Jackson **Inspection Date / Time:** 1/31/2011

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler

Description: [This is the calendar record from 2010. The purchase orders and waste disposal invoices were in this record.]

Awesome Value Cleaners LLC Plant Diamond

926 Cleveland Street, Clearwater



Project Id: 75729 **Permit No:** 1030462-005-AG **Arms Number:** 0462

Inspector: Shea Jackson **Inspection Date / Time:** 1/31/2011 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler

Description: [This is the rear to the dry to dry. The area was clean and no spills evident.]

Awesome Value Cleaners LLC Plant Diamond

926 Cleveland Street, Clearwater



Project Id: 75729 **Permit No:** 1030462-005-AG **Arms Number:** 0462

Inspector: Shea Jackson **Inspection Date / Time:** 1/31/2011

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler

Description: [Mr. Roman was demonstrating use of the halogen leak detector. He was going around the button trap.]

Awesome Value Cleaners LLC Plant Diamond

926 Cleveland Street, Clearwater



Project Id: 75729 **Permit No:** 1030462-005-AG **Arms Number:** 0462

Inspector: Shea Jackson **Inspection Date :** 1/31/2011

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1996 Patriot System, Model - Renzacci) with refrigerated condenser and 7 HP propane fired boiler

Description: [This is the waste containers for Perc disposal. The containers are located in secondary containment]