



PERCHLOROETHYLENE DRY CLEANERS



Environmental Compliance

COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0311	Date: 5/28/13	Time In: 12:00pm	Time Out: 12:30pm
Facility Name:	Granada Cleaners, Inc.		
Facility Location:	1256 County Road 1 Dunedin, FL, 34698		
Responsible Official:	Abdallah Kleib	Phone No:	727-734-3665
e-mail:			
Emis. Unit Description:	New, Small Perchloroethylene Dry Cleaner: One Suprema Eco Super, Model 850-53 Dry-to-dry Machine (1/1/1996) controlled by a refrigerated condenser		
Permit Number:	1030311-004-AG	Exp. Date:	4/27/2016
Facility Contact:	Abdallah Kleib	Renewal Date:	3/28/2016
e-mail:		Phone:	727-734-3665
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.
- | | |
|--|--|
| <p>1. Existing small area source
Dry-to-dry only, x <140 gal/yr <input type="checkbox"/></p> <p>Transfer only, x <200 gal/yr <input type="checkbox"/></p> <p>Both types, x <140 gal/yr
(Constructed before 12/9/91)</p> <p>3. Existing large area source
Dry-to-dry only, 140 > x <2,100 gal/yr <input type="checkbox"/></p> <p>Transfer only, 200 > x <1,800 gal/yr <input type="checkbox"/></p> <p>Both types, 140 > x <1,800 gal/yr
(Constructed before 12/9/91)</p> | <p>2. New small area source
Dry-to-dry only, x <140 gal/yr <input checked="" type="checkbox"/></p> <p>Transfer only, x <200 gal/yr <input checked="" type="checkbox"/></p> <p>Both types, x <140 gal/yr
(Constructed on or after 12/9/91)</p> <p>4. New large area source
Dry-to-dry only, 140 > x <2,100 gal/yr <input type="checkbox"/></p> <p>Transfer only, 200 > x <1,800 gal/yr <input type="checkbox"/></p> <p>Both types, 140 > x <1,800 gal/yr
(Constructed on or after 12/9/91)</p> |
|--|--|

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 ___ 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: 65 Gallons. Month with highest use was September 2012. 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?	<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 greater than 10° F?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA
3. Measured and recorded the solvent 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?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA

Is the perc concentration equal to or less than 100 ppm?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> NA
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?	<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 checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input 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 type="checkbox"/> Y	<input type="checkbox"/> N
4. The following area should be checked for leaks by the operator:	<input 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	5/28/13
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:	Granada Cleaners, Inc.
ARMS #:	103 0311

Inspection Comments:

- *I met with the responsible official Mr. Abdallah Kleih, owner of the facility.*
- *During the inspection of the facility, I observed the calendar record logs for 2012 and 2013. Mr. Kleih is up to date on leak checks and comments, his notes indicate the use of detector and repairs. The dry to dry machine temperatures were ranging between 34 –36 °F. The highest 12 month consecutive total was 65 gallons in September of 2012. The records were up to date*
- *The purchase receipts for perchloroethylene and the Hazardous waste manifest copies where with the calendar records. The most recent perc purchase was 15 gallon, in 4/3/13.*
- *The most recent Hazardous waste disposal was 150 gallons in 9/12/2012.*
- *I observed the Suprema 850-53 Eco Super dry to dry machine; it was not in operation at this time. There was no Perchloroethylene odor detected in areas adjacent to dryer.*
- *I asked Mr. Kleih to demonstrate the use of the halogen leak detector. He used his TIFXL 1A Halogen detector. There was no alarm detection during the dry to dry leak check. (See photo)*
- *The black waste drums used for hazardous material and the separator were located in the secondary containment to prevent perchloroethylene leakage onto the floor. The water is disposed of as Hazardous waste. (See Photos).*
- *I gave Mr. Kleih a copy of the summary sheet.*
- *This facility was operating in compliance at the time of inspection.*

ADDITIONAL SITE INFORMATION

Facility Name:	Granada Cleaners
ARMS #:	103 0311

Machine #1:			
Manufacturer	Suprema Eco Super	Capacity	45 lbs
Model#	850-53	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:

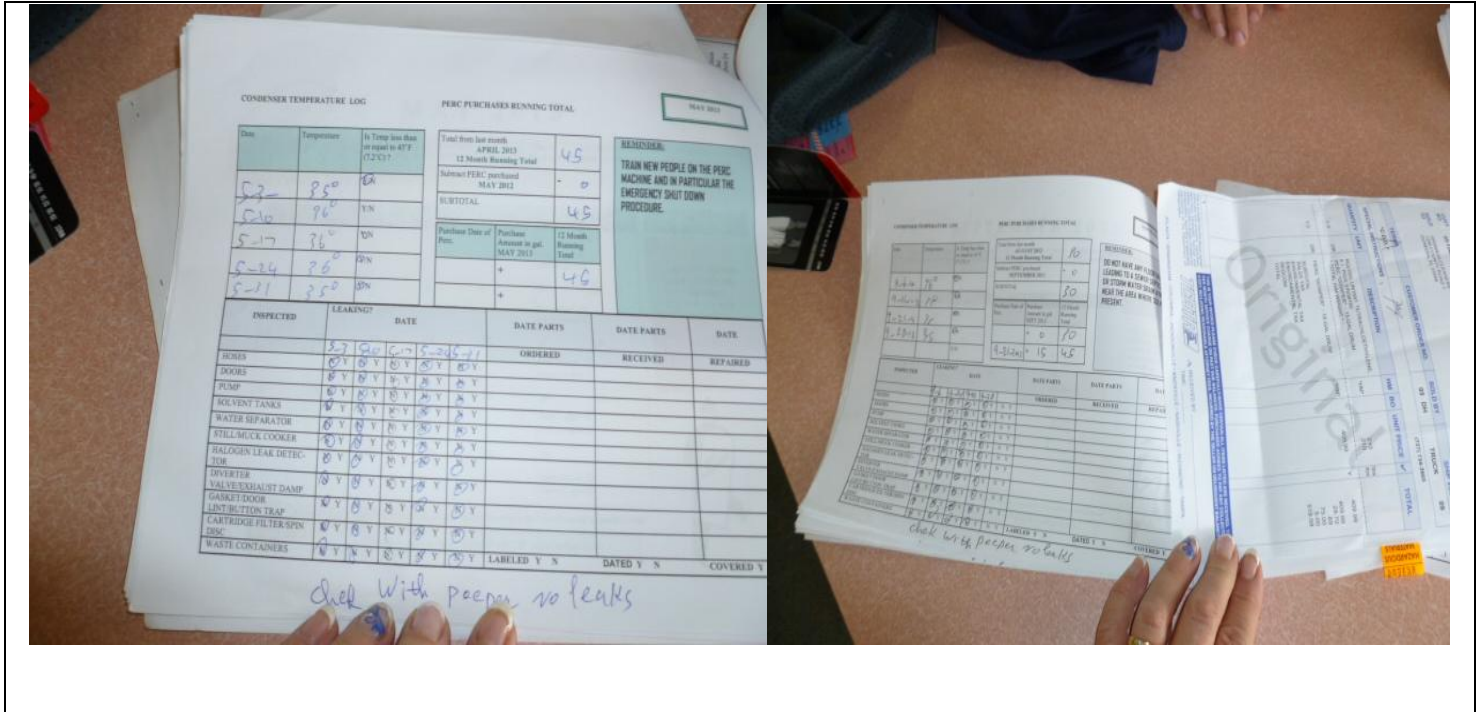
Manufacturer	Pacific Steam	MW	36
Model #	C7743	Serial #	12505
		Mfg yr	2003

Fuel Type: Natural gas? Propane? Fuel oil?
 N/A

Comments: Pacific steam Electric water boiler is exempt from permitting

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



Project Id: 84610 **Permit No:** 1030311-004-AG **Arms Number:** 0311

Inspector: Shea Jackson **Inspection Date / Time:** 5/28/2013 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Suprema Eco Super, Model 850-53 Dry-to-dry Machine (1/1/1996) controlled by a refrigerated condenser

Description: [The 2012 and 2013 record calendars were available for review]

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



Project Id: 84610 **Permit No:** 1030311-004-AG **Arms Number:** 0311
Inspector: Shea Jackson **Inspection Date / Time:** 5/28/2013 / _____
Source (EU): New, Small Perchloroethylene Dry Cleaner: One Suprema Eco Super, Model 850-53 Dry-to-dry Machine (1/1/1996) controlled by a refrigerated condenser
Description: [The responsible official using the detector to check for Perc leaks]

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



Project Id: 84610 **Permit No:** 1030311-004-AG **Arms Number:** 0311

Inspector: Shea Jackson **Inspection Date / Time:** 5/28/2013

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Suprema Eco Super, Model 850-53 Dry-to-dry Machine (1/1/1996) controlled by a refrigerated condenser

Description: [The electric hot water heater, and the hazardous waste material containers secondary containment for]