



# PERCHLOROETHYLENE DRY CLEANERS



## COMPLIANCE INSPECTION CHECKLIST

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

<b>AIRS ID#:</b> 103 0311	<b>Date:</b> 5/31/12 <b>Time In:</b> 12:55pm <b>Time Out:</b> 1:25pm
<b>Facility Name:</b>	Granada Cleaners, Inc.
<b>Facility Location:</b>	1256 County Road 1 Dunedin, FL, 34698
<b>Responsible Official:</b>	Abdallah Kleib <b>Phone No:</b> 727-734-3665
<b>Emis. Unit Description:</b>	New, Small Perchloroethylene Dry Cleaner: One Suprema Eco Super, Model 850-53 Dry-to-dry Machine (1/1/1996) controlled by a refrigerated condenser
<b>Permit Number:</b>	1030311-004-AG <b>Exp. Date:</b> 4/27/2016
<b>Facility Contact:</b>	Abdallah Kleib <b>Phone:</b> 727-734-3665
<b>Compliance Status:</b>	<input checked="" type="checkbox"/> <b>IN</b> <input type="checkbox"/> <b>MNC</b> <input type="checkbox"/> <b>SNC</b>

<b>PART I: NOTIFICATION</b> (Check appropriate box)	
1. Existing facility notified DARM by 9/1/96	<input type="checkbox"/>
2. New facility notified DARM 30 days prior to startup	<input checked="" type="checkbox"/>
3. Facility <b>failed to notify</b> DARM to use general permit	<input type="checkbox"/>

<b>PART II: CLASSIFICATION</b>	
<b>Facility indicated on notification form that it is:</b> <input type="checkbox"/> No Notification Form <input type="checkbox"/> Drop-Off Store <input type="checkbox"/> Out of business <input type="checkbox"/> Petroleum Solvent Only	
<b>A.</b>	
<p><u>1. Existing small area source</u>                      Dry-to-dry only, x &lt;140 gal/yr                      Transfer only, x &lt;200 gal/yr <input type="checkbox"/>                      Both types, x &lt;140 gal/yr                      (Constructed <b>before 12/9/91</b>)</p>	<p><u>2. New small area source</u>                      Dry-to-dry only, x &lt;140 gal/yr                      Transfer only, x &lt;200 gal/yr <input checked="" type="checkbox"/>                      Both types, x &lt;140 gal/yr                      (Constructed on or <b>after 12/9/91</b>)</p>
<p><u>3. Existing large area source</u>                      Dry-to-dry only, 140 &gt; x &lt;2,100 gal/yr                      Transfer only, 200 &gt; x &lt;1,800 gal/yr <input type="checkbox"/>                      Both types, 140 &gt; x &lt;1,800 gal/yr                      (Constructed <b>before 12/9/91</b>)</p>	<p><u>4. New large area source</u>                      Dry-to-dry only, 140 &gt; x &lt;2,100 gal/yr                      Transfer only, 200 &gt; x &lt;1,800 gal/yr <input type="checkbox"/>                      Both types, 140 &gt; x &lt;1,800 gal/yr                      (Constructed on or <b>after 12/9/91</b>)</p>
<b>This is a correct facility classification</b> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can not determine	
<b>If no, please check the appropriate classification:</b>	
<input checked="" type="checkbox"/> Facility qualified for a general permit as number <u>2</u> above. <input type="checkbox"/> Facility exceeds above limits and is not eligible for a general permit	
<b>B. Highest 12-month consecutive total of perchloroethylene purchased in the preceding 12-month period:</b> <u>45</u> Gallons. Month with highest use was <u>2/20/12</u> . Did facility exceed limits <input type="checkbox"/> Y <input checked="" type="checkbox"/> 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? Is the peak concentration 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?

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**

<b>1. Does the responsible official conduct weekly leak detection and repair inspection?</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
<b>2. Which method of detection does the responsible official use?</b>	<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
<b>If using direct-reading instrumentation, is the equipment:</b>	<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
<b>3. Has the facility maintained a leak log?</b>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
<b>4. The following area should be checked for leaks by the operator:</b>	<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	5/31/2012
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

<b>Facility Name:</b>	Granada Cleaners, Inc.
<b>ARMS #:</b>	103 0311

### Inspection Comments:

- *I met with the responsible official and owner Mr. Abdallah Kleih. .*
- *During the inspection of the facility, I observed the calendar record logs for 2011 and 2012. Mr. Kleih is up to date on leak checks and comments indicated use of detector and repairs.*
- *The dry to dry machine temperatures were ranging between 25 –35 °F. The highest 12 month consecutive total was 45 gallons in February 2012. Mr. Kleih stated the business continues to be very slow. He stated that the dry to dry is only operating 1- 2 times a week.*
- *The records were up to date. Mr. Kleih was maintaining the purchase receipts for perchloroethylene and the Hazardous waste manifest copies within the calendar records. The most recent purchase was 15 gallon, in Feb 13, 2012.*
- *The most recent Hazardous waste disposal was 150 gallons in 1/12/2011.*
- *I observed the Suprema 850-53 Eco Super dry to dry machine; it was not in operation at this time.*
- *I asked Mr. Kleih to demonstrate the use of his halogen leak detector. He has a TIFXL 1A detector in a protective case with the instructions. Mr. Kleih demonstrated the use of the Halogen detector. There was no alarm detection during the dry to dry leak check. (See photo)*
- *There was no Perchloroethylene odor detected in areas adjacent to dryer. 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.*
- *The facility was operating in compliance at the time of inspection.*



## ADDITIONAL SITE INFORMATION

<b>Facility Name:</b>	Granada Cleaners, Inc.
<b>ARMS #:</b>	103 0311

<b>Machine #1:</b>			
Manufacturer	Suprema Eco Super	Capacity	45 lbs
Model#	850-53	Serial#	Mfg yr 1996
<b>Machine #2:</b>			
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 45<sup>0</sup>F w/accuracy +/- 2<sup>0</sup>F, or 7.2EC w/accuracy of +/- 1.1<sup>0</sup>C)

**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	M Pacific	Serial #	Hp 36
Model #	C7743	Serial #	Mfg yr

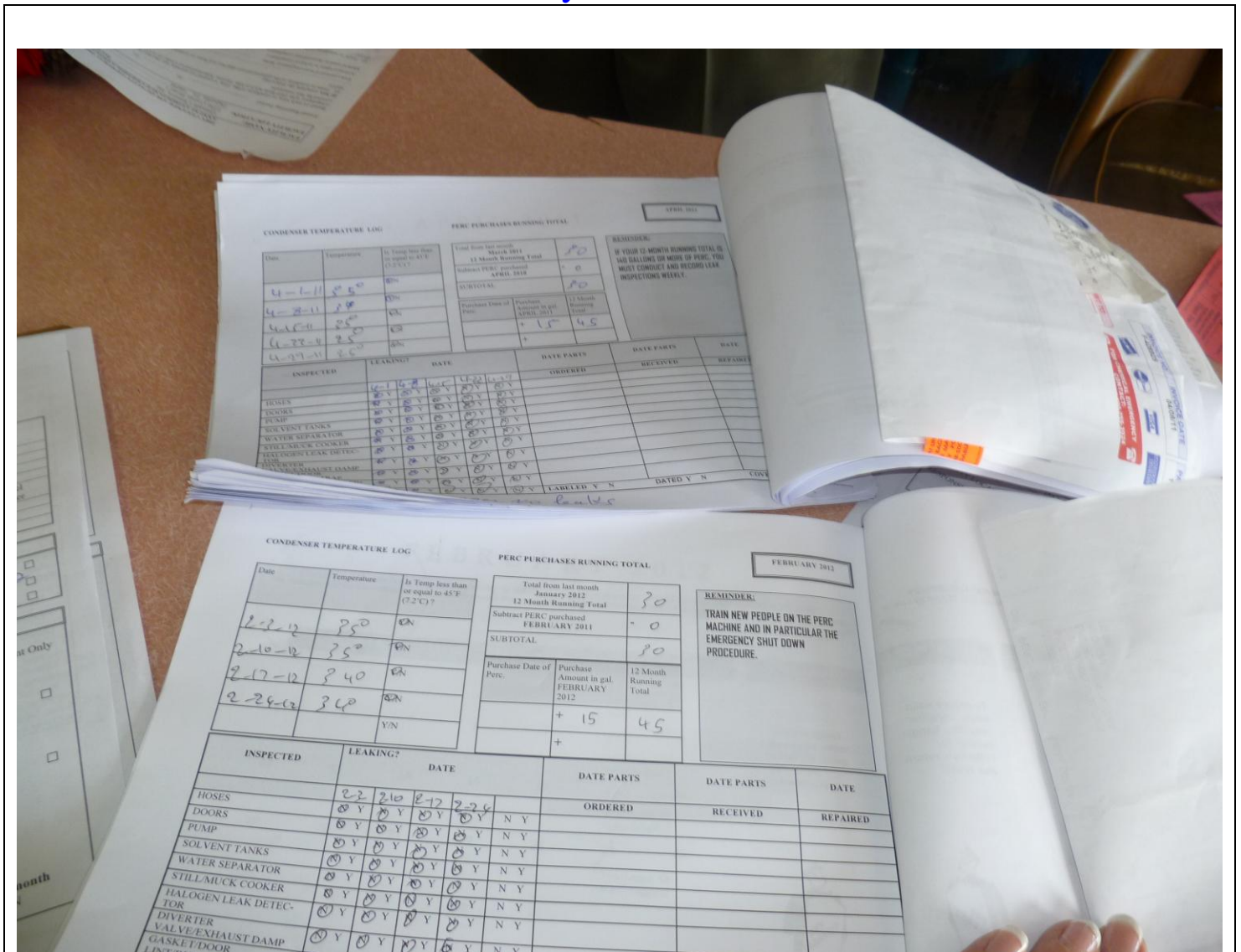
Fuel Type:    Natural gas?                          Propane?                                  Fuel oil?           

**Comments:**    Electric water boiler is exempt from permitting



# Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



**Project Id:** 80782      **Permit No:** 1030311-004-AG      **Arms Number:** 0311

**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/31/2012 / \_\_\_\_\_

**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 facility records for 2011 and 2012 are up to date with temperature checks, leak checks and 12 month Perc totals]

**Granada Cleaners, Inc. Granada Cleaners**  
1256 County Road 1, Dunedin



**Project Id:** 80782      **Permit No:** 1030311-004-AG      **Arms Number:** 0311  
**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/31/2012 / \_\_\_\_\_  
**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:** [This is the same unit as previous inspections, no changes at the facility]

**Granada Cleaners, Inc. Granada Cleaners**  
1256 County Road 1, Dunedin



**Project Id:** 80782      **Permit No:** 1030311-004-AG      **Arms Number:** 0311  
**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/31/2012 / \_\_\_\_\_  
**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 facility contact demonstrating a leak detection check with the use of the Halogen leak detector]

**Granada Cleaners, Inc. Granada Cleaners**  
1256 County Road 1, Dunedin



**Project Id:** 80782      **Permit No:** 1030311-004-AG      **Arms Number:** 0311  
**Inspector:** Shea Jackson      **Inspection Date / Time:** 5/31/2012 / \_\_\_\_\_  
**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 facility secondary containment area for Perc and various solvent cleaners used at the facility]