PERCHLOROETHYLENE DRY CLEANERS

COMPLIANCE INSPECTION CHECKLIST

Environmental Compliance

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

AIRS ID#: 103 0311	**Date:6/23/2011** **Time In: 10:45am** **Time Out: 11:15am**		
Facility Name:	Granada Cleaners, Inc.		
Facility Location:	1256 County Road 1		
	Dunedin, FL, 34698		
Responsible Official:	Abdallah Kleib	**Phone No:**	727-734-3665
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	**Phone:**	727-734-3665
Compliance Status:	☒ **IN** ☐ **MNC** ☐ **SNC**		

PART I: NOTIFICATION (Check appropriate box)

1. **Existing** facility notified DARM by 9/1/96 ☐
2. **New** facility notified DARM 30 days prior to startup ☒
3. 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.

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> x <2,100** gal/yr
Transfer only, 200> x <1,800 gal/yr ☐
Both types, 140> x <1,800 gal/yr
(Constructed **before 12/9/91**)

4. **New large** area source
Dry-to-dry only, **140> x <2,100** gal/yr
Transfer only, 200> x <1,800 gal/yr ☐
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: 45 Gallons. Month with highest use was April 2011. 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?	☒ Y	☐ N	☐ NA
2. Examining the containers for leakage?	☒ Y	☐ N	☐ NA
3. Closing and securing machine doors except during loading/unloading?	☒ Y	☐ N	
4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal?	☒ Y	☐ N	☐ NA
5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications?	☐ Y	☐ N	☒ 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?	☒ Y	☐ N	☐ NA
2. Equipped dry-to-dry machines with a closed-loop vapor venting system?	☒ Y	☐ N	☐ NA
3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door?	☐ Y	☐ N	☒ NA
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis?	☒ Y	☐ N	☐ NA
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45^0 F?	☒ Y	☐ N	☐ NA
6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged?	☒ Y	☐ N	☐ 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 tem[illegible]re at the condenser inlet and outlet weekly?	☐Y ☐N ☐NA	
	Is the temperature differential equal to o[illegible]° F?	☐Y ☐N ☐NA	
3.	Measured and recorded th[illegible]concentration [illegible]weekly at the end of the final drying cycle while the [illegible]e is venting [illegible]rber, machines are equipped with a carbon ad[illegible]or?	☐Y ☐N ☐NA	
	Is the pe[illegible]n e[illegible]or less tha[illegible]ppm?	☐Y ☐N ☐NA	
4.	Assured that the s[illegible] po[illegible]on adsorber exhaust for measuring perc. concentrations is at [illegible]duct dia[illegible]ers downstream of any bend, contraction, or expansion; is at least [illegible]iameters upstream from any bend contraction, or expansion; and downstream from r[illegible]er 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?	☐Y ☐N	☒NA
	Problem corrected?	☐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?**	☒Y	☐N
2.	**Which method of detection does the responsible official use?**	☒Y	☐N
	Visual examination (condensed solvent of exterior surfaces)	☒Y	☐N
	Physical detection (airflow felt through gaskets)	☒Y	☐N
	Odor (noticeable perc odor)	☒Y	☐N
	Use of direct-reading instrumentation (FID/PID/calorimetric tubes)	☐Y	☒N
	If using direct-reading instrumentation, is the equipment:	☐Y	☐N
	a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm	☐Y	☐N
	b. Calibrated against a standard gas prior to and after each use (PID/FID only).	☐Y	☐N
	c. Inspected for leaks and obvious signs of wear on a weekly basis?	☐Y	☐N
	d. Kept in a clean and secure area when not in use.	☐Y	☐N
	e. Verified for accuracy by use of duplicate samples (calorimetric only)?	☐Y	☐N
3.	**Has the facility maintained a leak log?**	☒Y	☐N
4.	**The following area should be checked for leaks by the operator:**	☒Y	☐N

Hose connections, fitting couplings, and valves	☒Y	☐N	Muck cookers	☐Y ☒N
Door gaskets and seating	☒Y	☐N	Stills	☒Y ☐N
Filter gaskets and seating	☒Y	☐N	Exhaust dampers	☒Y ☐N
Pumps	☒Y	☐N	Diverter valves	☐Y ☒N
Solvent tanks and containers	☒Y	☐N	Cartridge Filter housing	☒Y ☐N
Water separators	☒Y	☐N		

Shea Jackson	June 23, 2011
Inspector's Name (Please Print)	Date of Inspection
	Within one year of this inspection
Inspector's Signature	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
ARMS #:	103 0311

Inspection Comments:

- *I met with the responsible official Mr. Abdallah Kleih. He is the owner of this facility.*
- *During the inspection of the facility, I observed the calendar record logs for 2010 and 2011. 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 33 –34 °F. The highest 12 month consecutive total was 45 gallons in April 2011. Mr. Kleih stated the business is still very slow, and that the dry to dry had been 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 April 8, 2011.*
- *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. Mr. Kleih showed where the new refrigerator condenser had been installed.*
- *I asked Mr. Kleih to see the halogen leak detector. He had the manual and TIFXL 1A detector in a protective case. 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.*
- *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? (Temperature of 45^0F w/accuracy +/– 2^0F, or 7.2EC w/accuracy of +/– 1.1^0C)	☒Y	☐N

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:

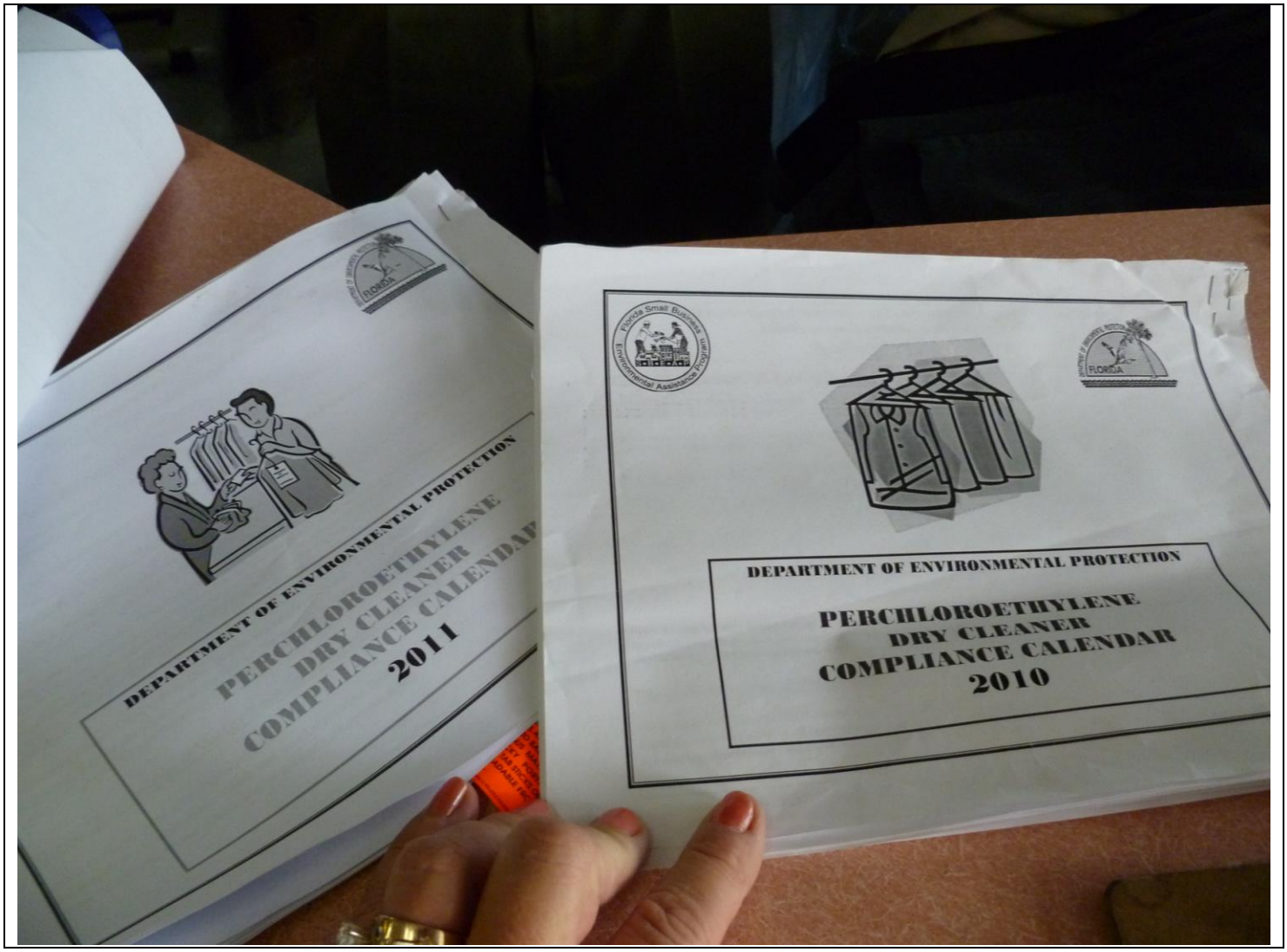
Manufacturer	M Pacific			MW	36
Model #	C7743	Serial #		Mfg yr	

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: 75789 **Permit No:** 1030311-004-AG **Arms Number:** 0311

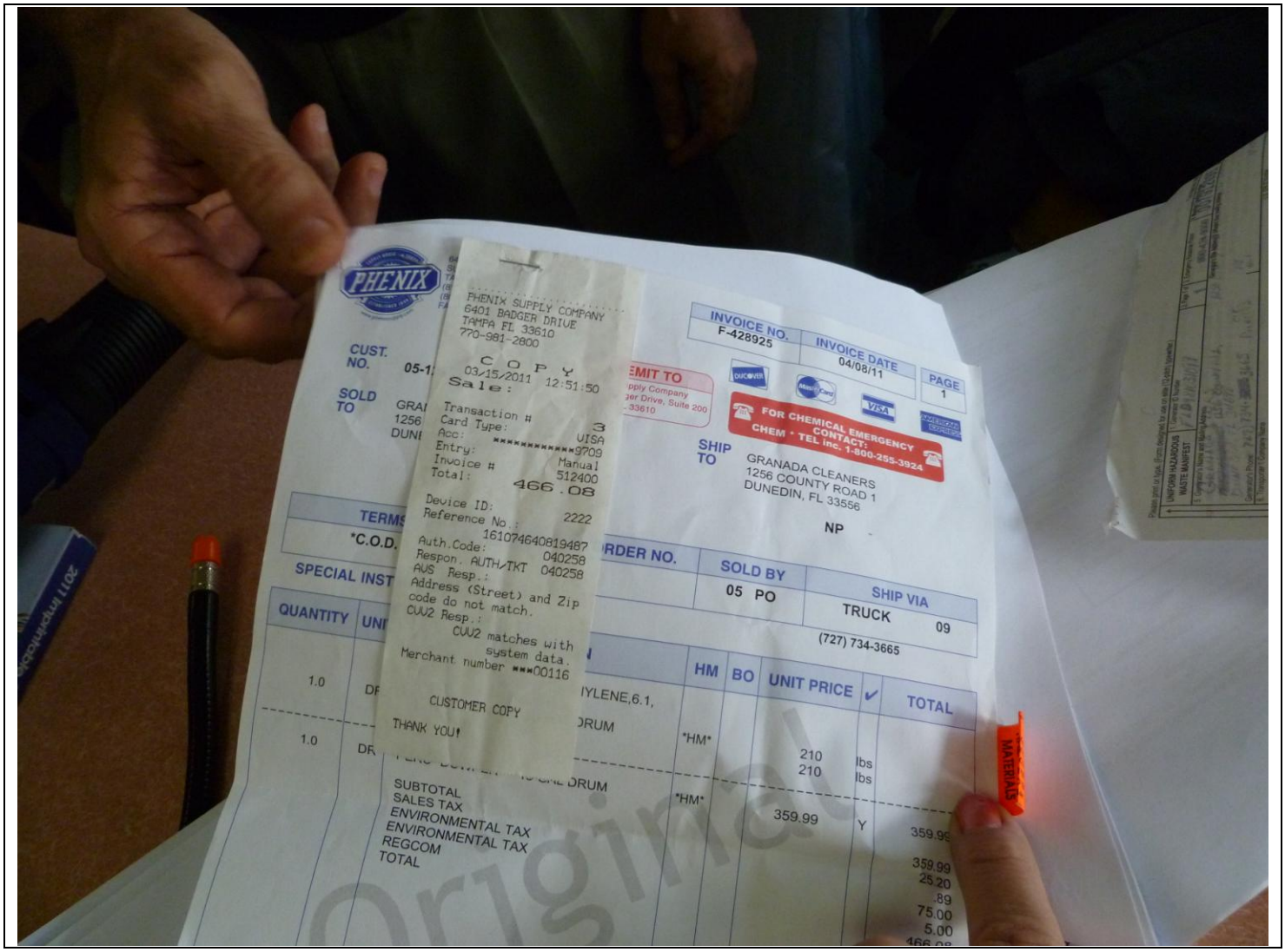
Inspector: Shea Jackson **Inspection Date / Time:** 6/23/2011 / _____

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 had records for the 2010 and 2011 for the inspector to review for compliance]

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



Project Id: 75789 **Permit No:** 1030311-004-AG **Arms Number:** 0311

Inspector: Shea Jackson **Inspection Date / Time:** 6/23/2011 / _____

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 purchase records were kept with the calendar for review.]

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin

Project Id: 75789 **Permit No:** 1030311-004-AG **Arms Number:** 0311

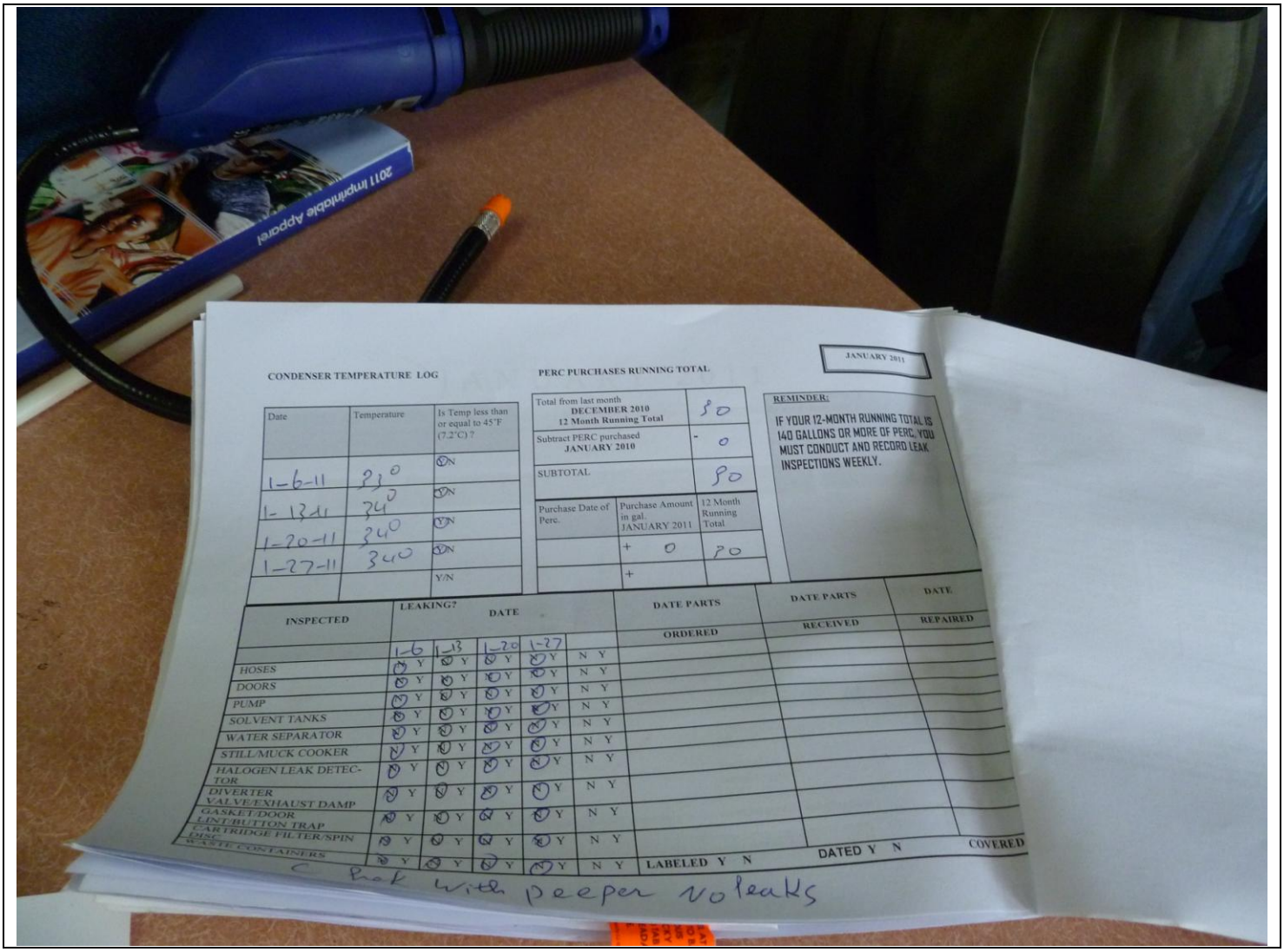
Inspector: Shea Jackson **Inspection Date / Time:** 6/23/2011 / _____

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: [Mr. Abdallah Kleib demonstrating the use of the leak detector]

Granada Cleaners, Inc. Granada Cleaners

1256 County Road 1, Dunedin



Project Id: 75789 **Permit No:** 1030311-004-AG **Arms Number:** 0311

Inspector: Shea Jackson **Inspection Date / Time:** 6/23/2011 / _____

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 monthly record temperature and leak checks were up to date.]