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 0324	**Date: 12/12/12**	**Time In: 2:20PM**	**Time Out: 2:45pm**
Facility Name:	C&B Dry Cleaning, Inc.		
Facility Location:	316 East Lake Rd.		
	Palm Harbor, FL, 34685		
Responsible Official:	John Cobos	**Phone No:**	727-789-3518
Emis. Unit Description:	New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (2001), Super Tec Model Gold 353, serial # 103L9060 with a refrigerated condenser.1 exempt Thomasville 25 hp natural gas fired boiler is on-site.		
Permit Number:	1030324-004-AG	**Exp. Date:**	06/13/16
Facility Contact:	John Cobos	**Phone:**	727-789-3518
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: 50 Gallons. Month with highest use was January 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?	☒ 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 temp[illegible]re at the condenser inlet and outlet weekly?	☐Y	☐N	☐NA
Is the temperature differential equal to o[illegible]e[illegible]^0 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 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 dust 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?	☐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	12/12/12
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:	C&B Dry Cleaning, Inc.
ARMS #:	103 0324

Inspection Comments:

- *During the inspection of the facility, I met with the responsible official John Cobos.*
- *I reviewed the in the 2011calendar record for Perc leak and temperature check entries.*
- *The most recent purchase order was 11/22/11 for 15 gallons.*
- *Mr. Cobos stated he did not have the 2012 calendar, his wife keeps record and took home. I informed him that the record should always be on site available for inspection. I told him there was no reason why the record could not be recorded and maintained on site.*
- *I told him that I had to see the record all of 2012 record today or tomorrow morning or would be considered a violation. He stated he would go home and fax to A.Q. office.*
- *The records were faxed after 5PM on 12/12/12. The records were up to date. (See copies)*
- *The Perc highest usage total was 50 gallons in January 2012, and the November total was 20 gallons.*
- *The recorded temperature checks ranges observed were from 40 - 43°F. This is below the 45°F limit and acceptable. (See records).*
- *The dry cleaning machine which was not in operation at this time.*
- *Mr. Cobos stated the business is still very slow, and less than previous year. He stated he only operates the dry to dry machine 2 cycles a week one dark one light clothes. Mr. Cobos stated he wants to sale business, but no one is interested at this time.*
- *I asked Mr. Cobos to demonstrate the Perc leak check using the TAK Mate Inficon halogen detector. The detector makes low beeping during check, but did not signal any Perc leaks during check of dry to dry machine. (See photo)*
- *I did not detect any Perc odors in equipment areas during observations of equipment.*
- *I observed the secondary containment container in the boiler room. The facility had placed waste containers drums on the containment container. (See photo)*
- *I gave Mr. Cobos, the inspection summary checklist with compliance discrepancy noted comment requiring fax 2012 records today or next day.*
- *The facility was pending compliance until receipt of the records and is in compliance at this time.*

ADDITIONAL SITE INFORMATION

Facility Name:	C&B Dry Cleaning, Inc.
ARMS #:	103 0324

Machine #1:					
Manufacturer	Super Tec	Capacity	50	lbs	
Model#		Serial#		Mfg yr	2001
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	Thomasville			Hp	25
Model #	VF 10964	Serial #	F-10153PV	Mfg yr	1987

Fuel Type: Natural gas? ☒ Propane? ☐ Fuel oil? ☐

Comments: The boiler is exempt from permitting

C&B Dry Cleaning, Inc. New Boot Ranch Cleaners

316 East Lake Rd., Palm Harbor

Project Id: 84673 **Permit No:** 1030324-004-AG **Arms Number:** 0324

Inspector: Shea Jackson **Inspection Date / Time:** 12/12/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (2001), Super Tec Model Gold 353, serial # 103L9060 with a refrigerated condenser.1 exempt Thomasville 25 hp natural gas fired boiler is on-site.

Description: [Dry to Dry was not in operation at time of inspection not cycling]

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Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (2001), Super Tec Model Gold 353, serial # 103L9060 with a refrigerated condenser.1 exempt Thomasville 25 hp natural gas fired boiler is on-site.

Description: [The facility contact demonstrating the use of the halogen detector, no leaks detected.]

C&B Dry Cleaning, Inc. New Boot Ranch Cleaners

316 East Lake Rd., Palm Harbor

Project Id: 84673 **Permit No:** 1030324-004-AG **Arms Number:** 0324

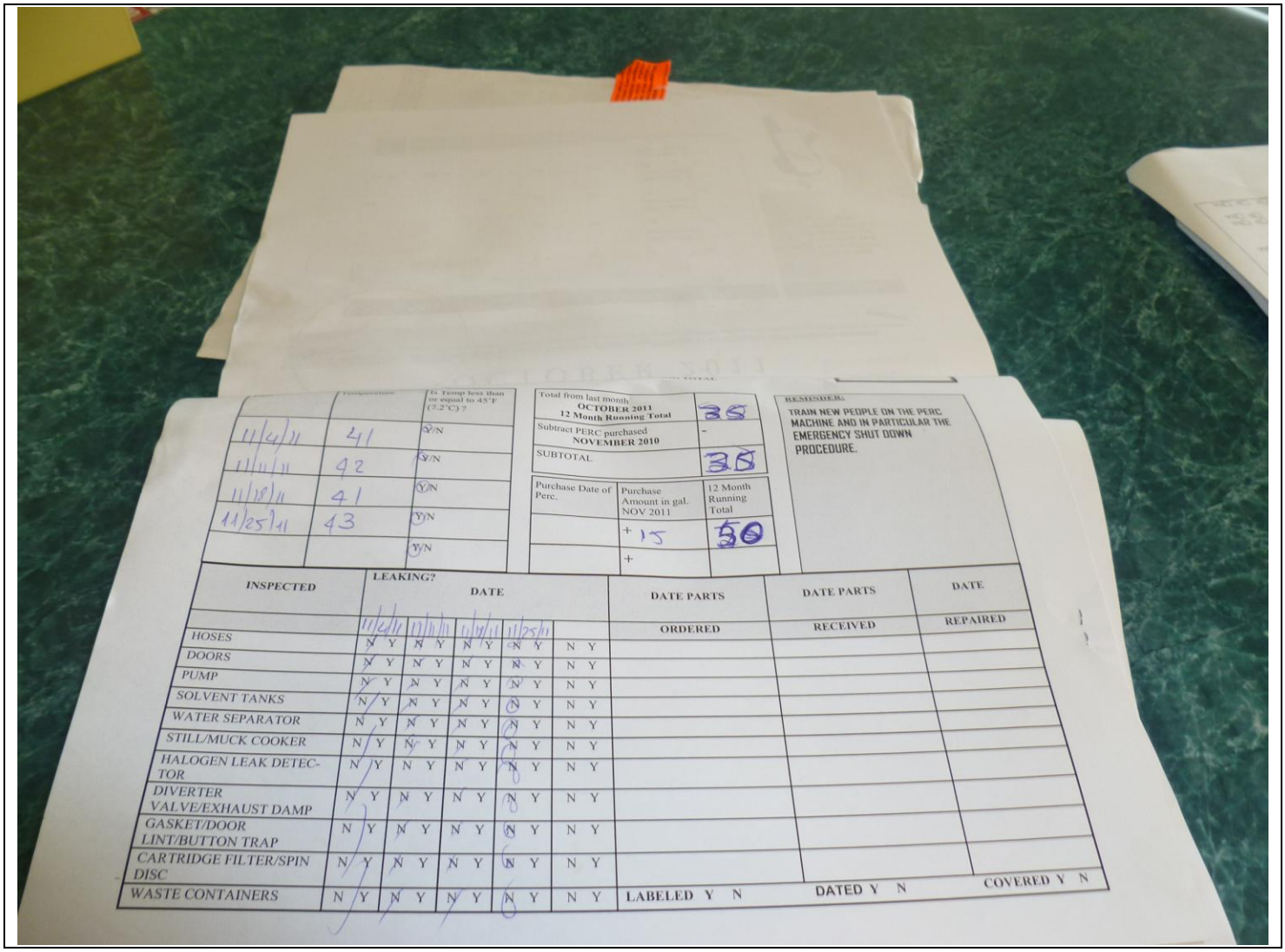
Inspector: Shea Jackson **Inspection Date / Time:** 12/12/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (2001), Super Tec Model Gold 353, serial # 103L9060 with a refrigerated condenser.1 exempt Thomasville 25 hp natural gas fired boiler is on-site.

Description: [The secondary containment for Hazardous waste containers is in the boiler storage area]

C&B Dry Cleaning, Inc. New Boot Ranch Cleaners

316 East Lake Rd., Palm Harbor



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Description: [The facility had 2011 calendar record, 2012 calendar record had been taken home.]