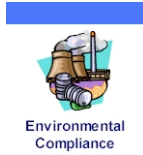




# PERCHLOROETHYLENE DRY CLEANERS



## COMPLIANCE INSPECTION CHECKLIST

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

<b>AIRS ID#:</b> 103 0295	<b>Date:</b> 2/23/2009	<b>Time In:</b> 1:30PM	<b>Time Out:</b> 1:45PM
<b>Facility Name:</b>	Spartan Cleaners, Inc.		
<b>Facility Location:</b>	3370 Tampa Road Palm Harbor, FL, 34684		
<b>Responsible Official:</b>	Keith McNamara	<b>Phone No:</b>	727-784-4050
<b>Emis. Unit Description:</b>	Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine purchased in December 1991. Emissions controlled by a refrigerated condenser. 20 HP, natural gas fired exempt boiler		
<b>Permit Number:</b>	1030295-003-AG	<b>Exp. Date:</b>	7/23/11
<b>Facility Contact:</b>	Keith McNamara	<b>Phone:</b>	727-784-4050
<b>Compliance Status:</b>	<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 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 N/A 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:** 0 Gallons. *The Dry to Dry machine had been removed from shop.\*\**

**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 type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
2. Examining the containers for leakage?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
3. Closing and securing machine doors except during loading/unloading?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" 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 type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
2. Equipped dry-to-dry machines with a closed-loop vapor venting system?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" 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 type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45o F?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" 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 type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
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, machines are equipped with a carbon adsorber? Is the perchloroethylene 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  NA

2. Maintained rolling monthly averages of perc consumption?

Y  N  NA

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  NA

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 a weekly leak detection and repair inspection?</b>	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> NA
<b>2. Which method of detection does the responsible official use?</b>	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> NA
Visual examination (condensed solvent of exterior surfaces)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NA
Physical detection (airflow felt through gaskets)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NA
Odor (noticeable perc odor)	<input type="checkbox"/>	<input checked="" type="checkbox"/> NA
Use of direct-reading instrumentation (FID/PID/calorimetric tubes)	<input type="checkbox"/>	
<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 type="checkbox"/> Y	<input checked="" type="checkbox"/> NA
<b>4. The following area should be checked for leaks by the inspector:</b>	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> NA
Hose connections, fitting couplings, and valves	<input type="checkbox"/> Y	<input type="checkbox"/> N
Door gaskets and seating	<input type="checkbox"/> Y	<input type="checkbox"/> N
Filter gaskets and seating	<input type="checkbox"/> Y	<input type="checkbox"/> N
Pumps	<input type="checkbox"/> Y	<input type="checkbox"/> N
Solvent tanks and containers	<input type="checkbox"/> Y	<input type="checkbox"/> N
Water separators	<input type="checkbox"/> Y	<input type="checkbox"/> N
Muck cookers	<input type="checkbox"/> Y	<input type="checkbox"/> N
Stills	<input type="checkbox"/> Y	<input type="checkbox"/> N
Exhaust dampers	<input type="checkbox"/> Y	<input type="checkbox"/> N
Diverter valves	<input type="checkbox"/> Y	<input type="checkbox"/> N
Cartridge Filter housing	<input type="checkbox"/> Y	<input type="checkbox"/> N

Shea Jackson	2.23.2009
Inspector=s Name (Please Print)	Date of Inspection
	N/A
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

<b>Facility Name:</b>	Spartan Cleaners, Inc.
<b>ARMS #:</b>	103 0295

- *I met with the facility contact, Jackie Cosna,*
- *The dry cleaner machine had not used for ~ 11 years. I observed the dry to dry machine and equipment had been removed from site. (See photos).*
- *This facility had only been used as a drop store. I did not detect any perchloroethylene odors.*
- *I had spoken to the responsible official Keith McNamara while at the Spartan plant # 3 on US 19. He stated the Lease on the drop store was over at the end of February 2009, so they had removed the machine from site. He stated the Perc drained and brought to the store Plant #3 on US 19, and it would be distilled and used. He showed a copy of the Perc drainage invoice, which stated the Perc had been removed, transferred to the other location.*
- *Since the permit had been renewed and will not expire until 7/23/2011. I asked Mr. McNamara to draft a letter to rescind permit. (See copy in file)*
- *This facility is in compliance at this time by shutdown of operations. The file will be closed and inactivate the permit.*

**ADDITIONAL SITE INFORMATION**

<b>Facility Name:</b>	Spartan Cleaners, Inc.
<b>ARMS #:</b>	103 0295

<b>Machine #1:</b>	Renazacci		
Manufacturer	<b>Serena Sun 350</b>	Capacity	lbs
Model#	<b>Removed from the Facility *****</b>	Serial#	Mfg yr
<b>Machine #2:</b>	N/A		
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 45EF w/accuracy  $\nabla$ 2EF, or 7.2EC w/accuracy of  $\nabla$ 1.1EC)

**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	Honey well	Hp
Model #	Serial #	Mfg yr

Fuel Type:    Natural gas?                          Propane?                          Fuel oil?   

**Comments:**    **Removed from site**

# Spartan Cleaners, Inc. Spartan Cleaners - #3

3370 Tampa Road, Palm Harbor



**Project Id:** 66966      **Permit No:** 1030295-003-AG      **Arms Number:** 0295

**Inspector:** Shea Jackson      **Inspection Date :** 2/23/09

**Source (EU):** Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine purchased in December 1991. Emissions controlled by a refrigerated condenser. 20 HP, natural gas fired exempt boiler

**Description:** [The dry to dry had been drained and removed, along with the other laundry equipment.]