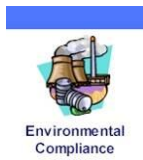




PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0296	Date: 10/24/13	Time In: 1:15PM	Time Out: 1:45PM
Facility Name:	Spartan Enterprises, Inc.		
Facility Location:	32646 U.S. Highway 19 North Palm Harbor, FL, 34684		
Responsible Official:	Keith McNamara	Phone No:	727-784-4050
e-mail:			
Emis. Unit Description:	New, Large Perchloroethylene Dry Cleaner. One Dry-to-dry machine, purchased in December 1994, with a refrigerated condenser. 25 HP, natural gas fired boiler is on-site slj		
Permit Number:	1030296-004-AG	Exp. Date:	6/13/2016
Facility Contact:	Keith McNamara	Renewal Date:	5/14/2016
e-mail:		Phone:	727-784-4050
Compliance Status:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> MNC <input type="checkbox"/> 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.**
- | | |
|--|---|
| <p><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)</p> | <p><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)</p> |
| <p><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)</p> | <p><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 checked="" type="checkbox"/>
 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: 180 Gallons. Month with highest use was October 2013. 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? 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?	<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? 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 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Muck cookers | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N |
| Door gaskets and seating | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Stills | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Filter gaskets and seating | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Exhaust dampers | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| Pumps | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Diverter valves | <input type="checkbox"/> Y <input type="checkbox"/> N |
| Solvent tanks and containers | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Cartridge Filter housing | <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N |
| Water separators | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | | |

Shea Jackson

October 24, 2013

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:	Spartan Enterprises, Inc.
ARMS #:	103 0296

Inspection Comments:

- During the facility inspection I met with Mr. Keith McNamara, the responsible official, and Mr. Terry Kincaide, the facility contact and maintenance technician.
- Mr. Kincaide performs the maintenance and leak check observations of the dry to dry machine, and maintains the calendar records for the leak, temperature checks and Perchloroethylene totals.
- The temperature indicated on the records is 7 °C. Temperatures below 7.2 °C are acceptable. .
- I reviewed records and the purchase orders for the Perc usage totals from October 2012 through October 2013. The Perc totals and leak check observations were up to date
- The Perc purchase invoices and Hazardous waste manifests are kept in a separate binder in Mr. McNamara's office. (See Photo)
- The current and highest 12 month Perc total was for October 2013 for 180 gallons.
- The most recent Perc purchase for 9/4/13 was 30 gallons. The facility purchases Perc routinely bi monthly
- The most recent Hazwaste disposed of was on 8/14/2013 by MCF vendor. The Hazardous waste containers observed to be in secondary containment. (see Photos)
- Mr. Kincaide demonstrated use of the Halogen detector as he went around the door, button traps, piping, and rear area of the dry to dry machine, there were no leaks found. The halogen detector did not alarm.
- There were no perc odors detected during observations of the dry to dry machine.
- The facility collects the separator water into the Galaxy mister evaporator, which was covered and in secondary containment.
- I gave Mr. McNamara the inspection summary report.
- The facility was in compliance at the time of this inspection.

ADDITIONAL SITE INFORMATION

Facility Name:	Spartan Enterprises, Inc.
ARMS #:	103 0296

Machine #1:			
Manufacturer	Union	Capacity	lbs
Model#	Serial#	Mfg yr	1994
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	Hurst	Hp	25
Model #	4VTD25\50	Serial #	VGI-150-1233
		Mfg yr	2002

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: Boiler size is exempt from permitting requirements

Spartan Enterprises, Inc. Spartan Cleaners Plant #1

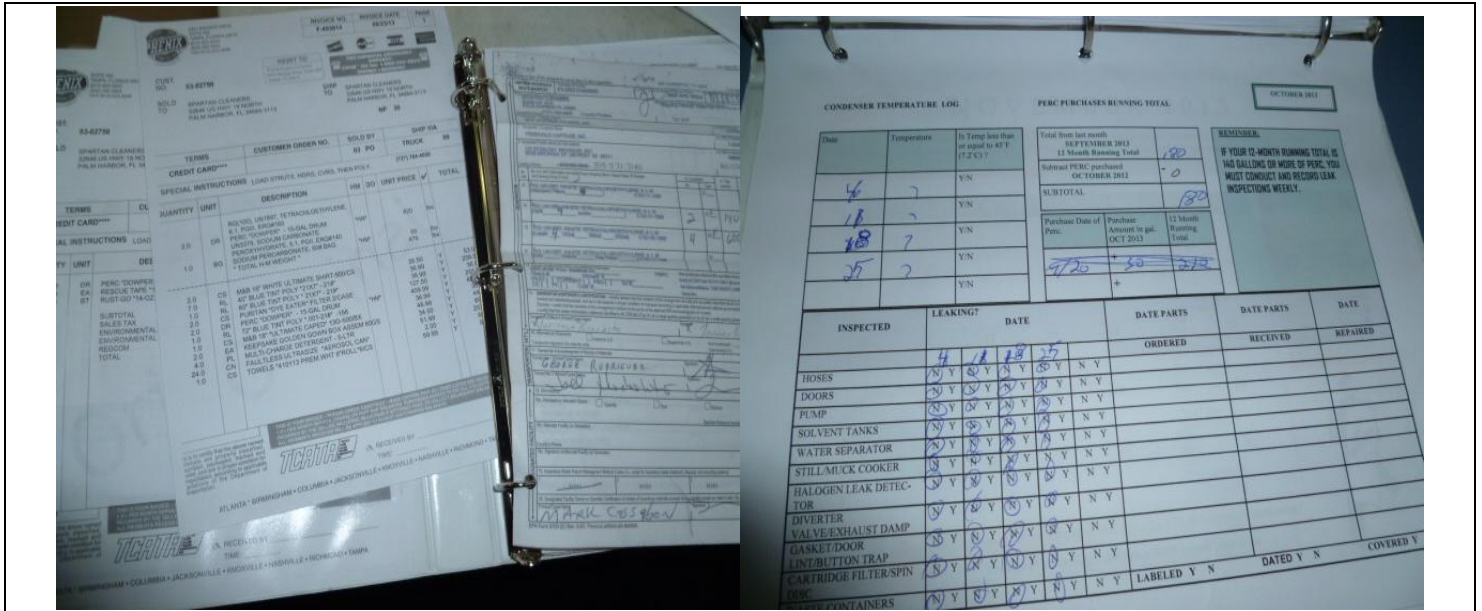
32646 U.S. Highway 19 North, Palm Harbor



Project Id: 88182 **Permit No:** 1030296-004-AG **Arms Number:** 0296
Inspector: Shea Jackson **Inspection Date / Time:** 10/24/2013 / _____
Source (EU): New, Large Perchloroethylene Dry Cleaner. One Dry-to-dry machine, purchased in December 1994, with a refrigerated condenser. 25 HP, natural gas fired boiler is on-site slj
Description: [The dry to dry machine was in last cycle of drying]

Spartan Enterprises, Inc. Spartan Cleaners Plant #1

32646 U.S. Highway 19 North, Palm Harbor



Project Id: 88182 **Permit No:** 1030296-004-AG **Arms Number:** 0296
Inspector: Shea Jackson **Inspection Date / Time:** 10/24/2013 / _____
Source (EU): New, Large Perchloroethylene Dry Cleaner. One Dry-to-dry machine, purchased in December 1994, with a refrigerated condenser. 25 HP, natural gas fired boiler is on-site slj
Description: [The purchase orders and hazardous waste manifest as kept in binder, and the leak, temperature and perc totals as kept in the calendar records.]

Spartan Enterprises, Inc. Spartan Cleaners Plant #1

32646 U.S. Highway 19 North, Palm Harbor



Project Id: 88182 **Permit No:** 1030296-004-AG **Arms Number:** 0296

Inspector: Shea Jackson **Inspection Date / Time:** 10/24/2013 / _____

Source (EU): New, Large Perchloroethylene Dry Cleaner. One Dry-to-dry machine, purchased in December 1994, with a refrigerated condenser. 25 HP, natural gas fired boiler is on-site slj

Description: [The hazardous waste drums in containment, no odors detected in this area.]