

PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/DISCOVERY (CI)						
RE-INSPECTION (FUI) ARMS COMPLAINT NO:						
AIRS ID#:	Date: November 3, 2011 Time In: 12:35 PM Time Out: 1:15PM					
103 0296						
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					
	New, Large Perchloroethylene Dry Cleaner. One Dry-to-dry machine, purchased					
Emis. Unit Description:	in December 1994, with a refrigerated condenser. 25 HP, natural gas fired boiler	•				
	is on-site slj					
Permit Number:	1030296-003-AG Exp. Date: 6/13/2016	_				
Facility Contact:	Keith McNamara Phone: 727-784-4050	\dashv				
Compliance Status:						
DADT I. NOTIFICATIO	NI con a service of the control of t	_				
PART I: NOTIFICATIO	(Check appropriate box)					
1. Existing facility notified	d 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: CLASSIFICAT	TION					
Facility indicated on notif	fication form that it is:					
No Notification Form	Drop-Off Store Out of business Petroleum Solvent Only					
A.						
1. Existing small area						
Dry-to-dry only, $x < 140$						
Transfer only, $x < 200 \text{ g}$	- · · · · · · · · · · · · · · · · · · ·					
Both types, $x < 140 \text{ gal/}$						
(Constructed before 12						
3. Existing large area s						
Dry-to-dry only, 140 > x Transfer only, 200> x <						
Both types, $140 > x < 1$,						
* ±	e i					
(Constructed before 12	(Constructed before 12/9/91) (Constructed on or after 12/9/91)					
This is a correct facility classification						
If no, please check the appropriate classification:						
Facility qualified for a general permit as number <u>4</u> 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: 150 Gallons. Month with highest use was March 2011 . Did facility exceed limits $\Box Y \boxtimes N$						

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?	$\boxtimes Y$] N	□NA
2. Examining the containers for leakage?	$\boxtimes Y$] N	□NA
. Closing and securing machine doors except during loading/unloading? Draining cartridge filters in their housing or in sealed containers for at] N	
least 24 hours prior to disposal?	$\boxtimes Y$] 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 refriger	ated con	denser	(complete	A below)
If classification (3) has been checked, the machine should be equipped with either a readsorber (complete A and B below). A Carbon adsorber must have been installed prior	efrigerat	ed cond	lenser or a	
If classification (4) has been checked, machine should be equipped with a refrigerated below.)				nd B
A. Has the responsible official of all new sources and existing large area	sources	: (check	appropria	ate 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 condenser upon opening the door?		⊠ Y	□N	□NA
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerate condenser on a weekly basis?	ed [⊠ Y	□N	□NA
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the	he [⊠ Y	□N	□NA

 $\boxtimes Y$

 \square N

 \square NA

verifying the coolant had been completely charged?

condenser exceeded 45° F?

6. Conducted all temperature monitoring after an appropriate cool down period and after

В.	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 temerate at the condenser inlet and outlet	□Y □N □NA				
	weekly? Is the temperature differential equal to or F?	□Y □N □NA				
3.	Measured and recorded the concentration final drying cycle while the with a carbon and care? Is the per or less that ppm?	□Y □N □NA □Y □N □NA				
4.	Assured that the s concentrations is at expansion; is at least and downstream from n on adsorber exhaust for measuring perc. duct diameters downstream of any bend, contraction, or expansion; and downstream from n expansion; are 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				
DADEN, DECORDIZERDING DECLIDEMENTES						
PA	RT V: RECORDKEEPING REOUIREMENTS					
На	ART V: RECORDKEEPING REQUIREMENTS as the responsible official: neck appropriate boxes)					
На	s the responsible official:	⊠Y □N				
Ha (Cl	as the responsible official: neck appropriate boxes)					
Ha (Cl	s the responsible official: neck appropriate boxes) Maintained receipts for perc purchased?					
Ha (Cl	Is the responsible official: neck appropriate boxes) Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. Documentation of leaks repaired w/in 24 hrs? or; b. Documentation of parts ordered to repair leak and leak repaired w/in 2 days	□Y □N ⊠NA				
Ha (Cl. 1. 2. 3.	Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. Documentation of leaks repaired w/in 24 hrs? or; 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 □Y □N □NA				
Ha (CI) 1. 2. 3.	Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. Documentation of leaks repaired w/in 24 hrs? or; b. Documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? Maintained calibration data? (direct reading instruments only)	□Y □N □NA □Y □N □NA □Y □N □NA				
Ha (Cl. 1. 2. 3. 4. 5.	Maintained receipts for perc purchased? Maintained rolling monthly averages of perc consumption? Maintained leak detection inspection and repair reports for the following: a. Documentation of leaks repaired w/in 24 hrs? or; b. Documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? Maintained calibration data? (direct reading instruments only) Maintained exhaust duct monitoring data on perc concentrations?	□Y □N □NA □Y □N □NA □Y □N □NA □Y □N □NA				

PA	RT VI: LEAK DETECTION AND REPAIRS					
1.	Does the responsible official conduct weekly le	ak det	tection	and repair inspection?	$\boxtimes Y$	$\square N$
2.	Which method of detection does the responsible	le offic	cial use	?	$\boxtimes Y$	$\square N$
	Visual examination (condensed solvent of exterior surfaces)					$\square N$
	Physical detection (airflow felt through gaskets)					
	Odor (noticeable perc odor)					
	Use of direct-reading instrumentation (FII	D/PID/	calorim	netric tubes)	$\square Y$	$\boxtimes N$
	If using direct-reading instrumentation, is the equipment:					$\square N$
	a. Capable of detecting perc vapor concentrations in a range of 0-500 ppm					$\square N$
	b. Calibrated against a standard gas prior to and after each use (PID/FID only).					$\square N$
	c. Inspected for leaks and obvious signs of wear on a weekly basis?					$\square N$
	d. Kept in a clean and secure area when not in use.					$\square N$
	e. Verified for accuracy by use of duplicate samples (calorimetric only)?			$\square Y$	$\square N$	
3.	Has the facility maintained a leak log?			$\square Y$	$\square N$	
4.	The following area should be checked for leaks	s by th	ie opera	ator:	$\boxtimes Y$	$\square N$
	Hose connections, fitting couplings, and valves	$\boxtimes Y$	$\square N$	Muck cookers	$\square Y$	$\boxtimes N$
	Door gaskets and seating	$\boxtimes Y$	$\square N$	Stills	$\boxtimes Y$	$\square N$
	Filter gaskets and seating	$\boxtimes Y$	$\square N$	Exhaust dampers	$\boxtimes Y$	$\square N$
	Pumps	$\boxtimes Y$	$\square N$	Diverter valves	$\square Y$	$\boxtimes N$
	Solvent tanks and containers	$\boxtimes Y$	$\square N$	Cartridge Filter housing	$\boxtimes Y$	$\square N$
	Water separators	$\boxtimes Y$	$\square N$			
	Jackson	_		ber 3, 2011		
Inspe	ector's Name (Please Print)]	Date of	Inspection		

Within one year of this inspection

Date of Next Inspection

Inspector's Signature

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.) $\boxtimes Y$ $\square N$
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 $\S63.322(k)$ or (I). $\boxtimes Y$ $\square N$
(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? $\boxtimes Y \Box N \Box NA$
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? $\boxtimes Y \Box N \Box NA$
T III DOS
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? $\Box Y \Box N \boxtimes NA$
To the belongered by decompose detector complete of detections compositive time of DCC of 25 months and
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? $\boxtimes Y \subseteq N$

ADDITIONAL SITE INFORMATION

Facility Name: Spartan Enterprises, Inc.

ARMS #: 103 0296

Inspection Comments:

• Inspection of the facility, I met with Mr. Keith McNamara, the responsible official.

- Mr. Terry Kincaide, the facility maintenance technician was not in at this time. Mr. Kincaide performs maintenance and leak check observations of the dry to dry and maintains the calendar record. Mr.McNamara stated he would be doing more of the record keeping as Mr. Kincaide is retiring.
- I reviewed the records. The Perc totals and leak check observations were up to date 10/28/2011 The Perc usage totals were reviewed from October 2010 through October 2010. The Perc purchase invoices were in binder. I observed the purchase orders from 2011, each for are for 30 gallons. The most recent was 9/2/11. The facility purchase Perc every other month. The highest 12 month total was for March 2011 was for 150 gallons. This facility stated the business had only been down about 4 % for the year. Mr. McNamara stated they are keeping busy.
- The Hazardous waste manifests are kept in a binder. The most recent amounts dispose of was 2 drums on 10/6/2011.
- The temperature indicated on the records was 7 °C. This is acceptable temperatures below 7.5 °C.
- I used of the Halogen detector to check for leaks. The detector emits a low beeping, as I went around the door, button traps, piping, and area previous leaks had been found. The halogen detector did not alarm. (see photos) There were no perc odors detected during observations of the dry to dry operation.
- The Hazardous waste containers were in secondary containment. (see Photos)
- The facility collects the separator water and puts into the Galaxy mister evaporator.
- I gave Mr. McNamara the two P2 information brochures for Dry Cleaning industry.
- 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		
Machine #2:						
Manufacturer		Capacity	lbs			
Model#	Model# Serial#			Mfg yr		
Notification (unp	ermitted sources only):					
1. Was the facility	$\square Y$	$\boxtimes N$				
2. Did the facility	$\square Y$	$\boxtimes N$				
Record keeping:						
1. Does facility ha	$\boxtimes Y$	$\square N$				
(Temperat						
Hazardous Waste:						
1. Is all perc. conta	$\boxtimes Y$	$\square N$				
2. If wastewater is	$\boxtimes Y$	$\square N$				
3. Does the facility	$\boxtimes Y$	$\square N$				
4. Does the facility	$\boxtimes Y$	$\square N$				
Boiler:						
Manufacturer H	Iurst		Нр	25		

Serial #

Propane?

VGI-150-1233

Fuel oil?

2002

Mfg yr

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4VTD25\50

Natural gas?

 \boxtimes

Boiler is exempt from permitting

Model #

Fuel Type:

Comments: