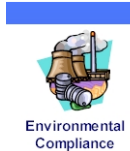




PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0495	Date: 10/13/2009	Time In: 11:15AM	Time Out: 11:45AM
Facility Name:	U-Wash		
Facility Location:	20 West Morgan Street Tarpon Springs, FL, 34689		
Responsible Official:	Georgina Ellerbee	Phone No:	727-934-5978
Emis. Unit Description:	Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1984).		
Permit Number:	1030495-002-AG	Exp. Date:	6/17/2012
Facility Contact:	Georgina Ellerbee	Phone:	727-934-5978
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 | <input checked="" type="checkbox"/> |
| 2. New facility notified DARM 30 days prior to startup | <input type="checkbox"/> |
| 3. Facility failed to notify DARM to use general permit | <input type="checkbox"/> |

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**)

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**)

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**)

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 1 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: 20 Gallons. Month with highest use was 40. 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 checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input 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 type="checkbox"/> Y | <input checked="" 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
<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 3. Measured and recorded the perc concentration weekly at the end of the final drying cycle while the machine is venting to the atmosphere. If machines are equipped with a carbon adsorber?
Is the perc concentration or less than 10 ppm? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 4. Assured that the sampling point on adsorber exhaust for measuring perc. concentrations is at least 10 duct diameters downstream of any bend, contraction, or expansion; is at least 10 diameters upstream from any bend contraction, or expansion; and downstream from the condenser 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;
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
<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?
Problem corrected? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 8. Maintained compliance plan, if applicable? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |

PART VI: LEAK DETECTION AND REPAIRS

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

Shea Jackson	October 13, 2009
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:	U-Wash
ARMS #:	103 0495

Inspection Comments:

- *I met with Georgina Ellerbee, the responsible official of the dry to dry operations for inspection of the facility.*
- *I observed the calendar records for the perchloroethylene totals and weekly leak detection observations. She is recording on copied blanks for each month to maintain her records. She had closed the facility down for 2 months in April due to illness.*
- *The highest 12 month total was 40 gallons for February 2009. Mrs. Ellerbee does not record the temperatures because it is not required for the existing small facility. The most recent perc purchase was 19.3 gallons for March 5/13/2009.*
- *I observed the Union Spa machine, was not in operation had completed cycle. The dryer equipment, hazardous waste containers and Galaxy mister evaporator were maintained and closed. The perchloroethylene hazardous waste containers were located in secondary containment.*
- *There were no perchloroethylene odors detected during the inspection of the facility.*
- *The facility purchased the Halogen Detector, an Eco Sensor Halogen Detector, in 2007.*
- *The facility appears to be in compliance at this time*
- *I gave her the P2 booklet, and phamplet along with the inspection summary.*

ADDITIONAL SITE INFORMATION

Facility Name:	U-Wash
ARMS #:	103 0495

Machine #1:											
Manufacturer	Union Spa	Capacity	lbs								
Model#	Homemade model	Serial#	Mfg yr								
Machine #2:											
Manufacturer		Capacity	lbs								
Model#		Serial#	Mfg yr								
<p>Notification (unpermitted sources only):</p> <p>1. Was the facility assisted in filling out the notification by the inspector? <input type="checkbox"/>Y <input checked="" type="checkbox"/>N</p> <p>2. Did the facility insist on filling out its own notification, and will send it to FDEP? <input type="checkbox"/>Y <input checked="" type="checkbox"/>N</p> <p>Record keeping :</p> <p>1. Does facility have statement/specs as to the design accuracy of the temperature sensor? <input checked="" type="checkbox"/>Y <input type="checkbox"/>N (Temperature of 45⁰F w/accuracy +/- 2⁰F, or 7.2EC w/accuracy of +/- 1.1⁰C)</p> <p>Hazardous Waste:</p> <p>1. Is all perc. contaminated wastewater either treated or disposed of properly? <input checked="" type="checkbox"/>Y <input type="checkbox"/>N</p> <p>2. If wastewater is evaporated, is it an approved system, and using carbon filtration? <input checked="" type="checkbox"/>Y <input type="checkbox"/>N</p> <p>3. Does the facility have secondary containment for the dry-dry machine? <input checked="" type="checkbox"/>Y <input type="checkbox"/>N</p> <p>4. Does the facility have secondary containment for any perc. waste containers? <input checked="" type="checkbox"/>Y <input type="checkbox"/>N</p> <p>Boiler:</p> <table style="width: 100%;"> <tr> <td style="width: 20%;">Manufacturer</td> <td style="width: 30%;">Sussman</td> <td style="width: 20%;">Hp</td> <td style="width: 30%;">24KW</td> </tr> <tr> <td>Model #</td> <td>Serial #</td> <td>Mfg yr</td> <td>1984</td> </tr> </table> <p>Fuel Type: Natural gas? <input type="checkbox"/> Propane? <input type="checkbox"/> Fuel oil? <input type="checkbox"/></p> <p>Comments: Electric is Exempt from permit requirements</p>				Manufacturer	Sussman	Hp	24KW	Model #	Serial #	Mfg yr	1984
Manufacturer	Sussman	Hp	24KW								
Model #	Serial #	Mfg yr	1984								

U-Wash

20 West Morgan Street, Tarpon Springs

PERMITS PURCHASED DURING TOTAL

DATE	AMOUNT
1/1/08	40

LEAKAGE

DATE	AMOUNT
1/1/08	40

DATE PARTS

DATE	PARTS
1/1/08	40

Project Id: 70767 **Permit No:** 1030495-002-AG **Arms Number:** 0495

Inspector: Shea Jackson **Inspection Date:** 10/13/2009

Source (EU): Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1984).

Description: [The highest 12 month record was 40 gallons in Feb 2008.]

U-Wash

20 West Morgan Street, Tarpon Springs



Project Id: 70767 **Permit No:** 1030495-002-AG **Arms Number:** 0495

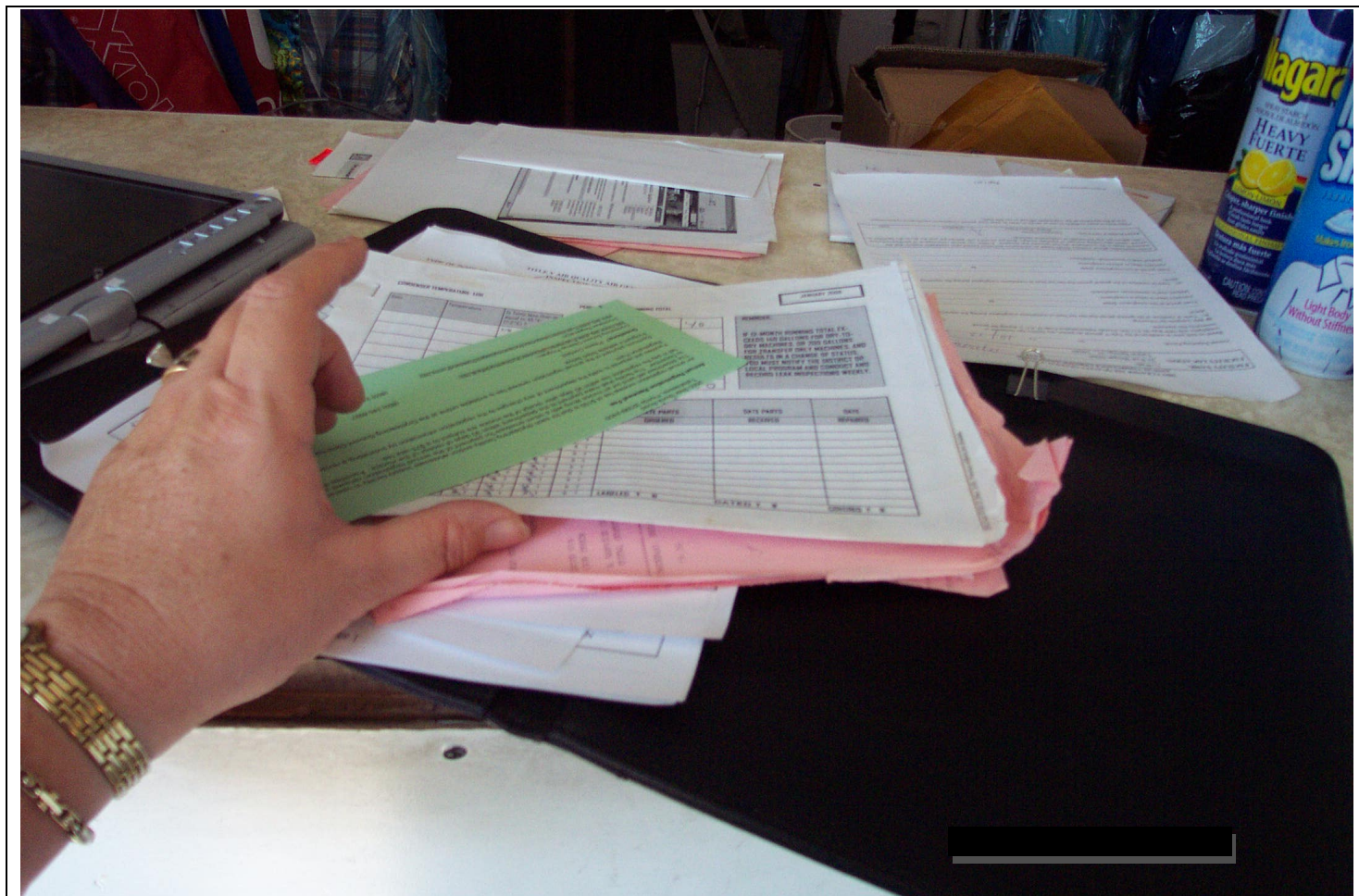
Inspector: Shea Jackson **Inspection Date / Time:** 10/13/2009

Source (EU): Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1984).

Description: [The dry to dry had completed its cycle]

U-Wash

20 West Morgan Street, Tarpon Springs



Project Id: 70767

Permit No: 1030495-002-AG

Arms Number: 0495

Inspector: Shea Jackson

Inspection Date: 10/13/2009

Source (EU): Existing, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (1984).

Description: [The purchase receipts are with the records. There has only been one purchase for 2009 in May. The current 12 month total was 20 gallons.]