

B. Highest 12-month consecutive total of perchloroethylene purchased in the preceding 12-month period: 40.6 Gallons. Month with highest use was November 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? | <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 ^o 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 type="checkbox"/> N | <input checked="" type="checkbox"/> NA |

B. Has the responsible official of an existing large or new large area source also:

- Y N
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 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? Y N 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 equal to or less than 10 ppm? Y N NA
4. Assured that the sampling position 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 washer 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?
Problem corrected? Y N NA
 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?	<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 type="checkbox"/> Y	<input checked="" 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 checked="" type="checkbox"/> Y	<input type="checkbox"/> N
4. The following area should be checked for leaks by the operator:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Hose connections, fitting couplings, and valves	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Door gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Filter gaskets and seating	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Pumps	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Solvent tanks and containers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Water separators	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Muck cookers	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Stills	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Exhaust dampers	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Diverter valves	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Cartridge Filter housing	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Shea Jackson	12/3/12
Inspector's Name (Please Print)	Date of Inspection
Inspector's Signature	Within one year of this inspection
	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:	Sam E. Rosie, Inc.
ARMS #:	103 0417

Inspection Comments:

- *I met with Kevin Dianna, son of the Rosie Dianna, the responsible official for the dry-to-dry operations, she was not on site for the facility inspection.*
- *I observed the 2011 – 2012 calendar records for the perchloroethylene totals and leak detection observations. (See Photo)*
- *The highest Perc total in the previous 12 month period was 40.60 gallons in November 2012. The purchase records and the hazardous waste manifest were in yellow folder with the calendar records. The most recent Perc P.O. was for 10/3/2012 purchase of 19.3 gallons. The last Hazardous waste disposal was 3/23/2012.*
- *The temperatures recorded ranged between of 40 °F – 42°F. The monitoring and recording of the leak checks were up to date in records.*
- *I observed the Aero Tech dry-to-dry machine and associated equipment; which was not in operation at this time. The machine is clean, no Perc odors detected.*
- *The facility continues to operate the dry to dry machine for a 2cycles a week.*
- *Kevin could not demonstrate the use of TIF XP 1A model Halogen leak detector he was not familiar with how it operated. He could not get to operate; it appeared the battery was not working to check the dry to dry.*
- *There were no perchloroethylene odors detected during the inspection of the facility.*
- *The perchloroethylene hazardous waste containers were closed and located in secondary containment. The separator water for hazardous waste disposal is collected for disposal. (See photos)*
- *I gave Kevin the inspection summary and noted the facility should keep a spare set for Halogen Detector.*
- *He called Ms Diana Rosie, she stated the detector had worked during her last leak check, and she would get batteries for back up.*
- *This facility was in compliance at this time.*

ADDITIONAL SITE INFORMATION

Facility Name:	Sam E. Rosie, Inc.
ARMS #:	103 0417

Machine #1:				
Manufacturer	Aero Tech	Capacity	40	lbs
Model#	C402695	Serial#	BO2P55 CMT	Mfg yr 2000
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	15
Model #	JOR 15A - 100	Serial #	179724903
			Mfg yr

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: The boiler is exempt from permitting, it is located outside on the west side of the building

Sam E. Rosie, Inc. Royal Cleaners
35230 U.S. Highway 19 North, Palm Harbor



Project Id: 84684 **Permit No:** 1030417-004-AG **Arms Number:** 0417

Inspector: Shea Jackson **Inspection Date / Time:** 12/3/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: [The dry to dry machine was not in operation at time of inspection.]

Sam E. Rosie, Inc. Royal Cleaners
35230 U.S. Highway 19 North, Palm Harbor



Project Id: 84684 **Permit No:** 1030417-004-AG **Arms Number:** 0417

Inspector: Shea Jackson **Inspection Date / Time:** 12/3/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: [The rear of machine and secondary containment for the waste was located in this area. No perc odors detected]

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor



Project Id: 84684 **Permit No:** 1030417-004-AG **Arms Number:** 0417

Inspector: Shea Jackson **Inspection Date / Time:** 12/3/2012 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: [The records for 2011 and 2012 were reviewed and up to date at time of inspection]