PERCHLOROETHYLENE DRY CLEANERS

COMPLIANCE INSPECTION CHECKLIST

Environmental Compliance

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

AIRS ID#: 103 0417	**Date:** 10/30/2008	**Time In:** 3:40PM	**Time Out:** 4:10PM		
Facility Name:	Sam E. Rosie, Inc.				
Facility Location:	35230 U.S. Highway 19 North				
	Palm Harbor, FL, 34684				
Responsible Official:	Rosie Dianna	**Phone No:**	727-891-1768		
Emis. Unit Description:	New, small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (11/00) with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.				
Permit Number:	1030417-003-AG	**Exp. Date:**	1/4/12		
Facility Contact:	Rosie Dianna	**Phone:**	727-891-1768		
Compliance Status:	☒ **IN** ☐ **MNC** ☐ **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.

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**)

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**)

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**)

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 2 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: ____40.60__ Gallons.

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?	☒Y	☐ N	☐ NA
2. Examining the containers for leakage?	☒Y	☐ N	☐ NA
3. Closing and securing machine doors except during loading/unloading?	☒Y	☐ N	
4. Draining cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal?	☒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 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?	☒ Y	☐ N	
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 the condenser upon opening the door?	☒ Y	☐ N	☐ NA
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis?	☒ Y	☐ N	
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45o F?	☐ Y	☐ N	☒NA
6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged?	☒Y	☐ N	

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?	☒Y	☐N
2.	Measured and recorded the washer exhaust temperature at the condenser inlet and outlet weekly?	☐Y	☐N ☐NA
	Is the temperature differential equal to or gre[illegible]^{o} F?	☐Y	☐N ☐NA
3.	Measured and recorded the perc concentration in th[illegible]aus[illegible]weekly at the end of the final drying cycle while the machi[illegible]is venting to th[illegible]arbo[illegible]es are equipped with a carbon adsorber?	☐Y	☐N ☐NA
	Is the perc concentration equ[illegible]less than 1[illegible]	☐Y	☐N ☐NA
4.	Assured that the san[illegible]adsorber[illegible]haust for measuring perc. concentrations is at le[illegible]nstream of any bend, contraction, or expansion; is at least 2 d[illegible]meters[illegible]from any bend contraction, or expansion; and downstream from no [illegible]let?	☐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

N/A

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?	☐Y	☐N ☒NA
	Problem corrected?	☐Y	☐N ☒NA
8.	Maintained compliance plan, if applicable?	☐Y	☐N ☒NA

PART VI: LEAK DETECTION AND REPAIRS

1.	**Does the responsible official conduct a 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)	☒	
	Physical detection (airflow felt through gaskets)	☒	
	Odor (noticeable perc odor)	☒	
	Use of Halogen Detector instrumentation TIF XP 1A	☒Y	
	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 inspector:**	☒ Y	☐N

Hose connections, fitting couplings, and valves	☒Y	☐N	Muck cookers	☐Y ☒N
Door gaskets and seating	☒Y	☐N	Stills	☒ Y ☐N
Filter gaskets and seating	☒Y	☐N	Exhaust dampers	☒Y ☐N
Pumps	☒Y	☐N	Diverter valves	☐Y ☒N
Solvent tanks and containers	☒Y	☐N	Cartridge Filter housing	☒ Y ☐N
Water separators	☒Y	☐N		

Shea Jackson	10/30/2008
Inspector=s Name (Please Print)	Date of Inspection
	Within one year of this inspection
Inspector=s Signature	Date of Next Inspection

ADDITIONAL SITE INFORMATION

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

- *During the inspection of the facility, I met Ms. Rosie Dianna, the responsible official and owner of the dry-to-dry operations, for the facility inspection.*
- *I observed the 2007 – 2008 calendar records for the perchloroethylene totals and leak detection observations. The highest Perc total in the previous 12 month period was 40.60 gallons in April 2008. The purchase records and waste manifest were with the calendars, the most recent purchase was 8/6/2008 for 19.3 gallons, and the current 12 month Perc total was 21.30 gallons. The facility was had obtained the 2008 calendar, from the download off the SBEAP site. The hazardous waste manifest showed it was picked up by Safety Kleen on 2/4/2008.*
- *The temperatures recorded ranged between of 40 ℉ – 4 3℉. The monitoring and recording of the leak checks were up to date and being made on weekly bases as required.*
- *I observed the Aero Tech dry-to-dry machine and associated equipment; which was not in operation at this time.*
- *The machine is very clean like new as is not used often. The perchloroethylene hazardous waste containers were closed and located in secondary containment. There were no perchloroethylene odors detected during the inspection of the facility. (See photos)*
- *I inquired if they had purchased a halogen detector. Ms. Rosie showed her TIF XP 1A model in case with instruction manual. (See Photo).*
- *Ms. Diana stated she would sign and mailed in the annual certification form. The annual certification was received on 11/ 4 /2008. (See File)*
- *This facility appears to be 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#	B02PSS-CMTLA2000	Mfg yr	2000
Machine #2:	NA				
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? (Temperature of 45EF w/accuracy ∀2EF, or 7.2EC w/accuracy of ∀1.1EC)	☒Y	☐N

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:

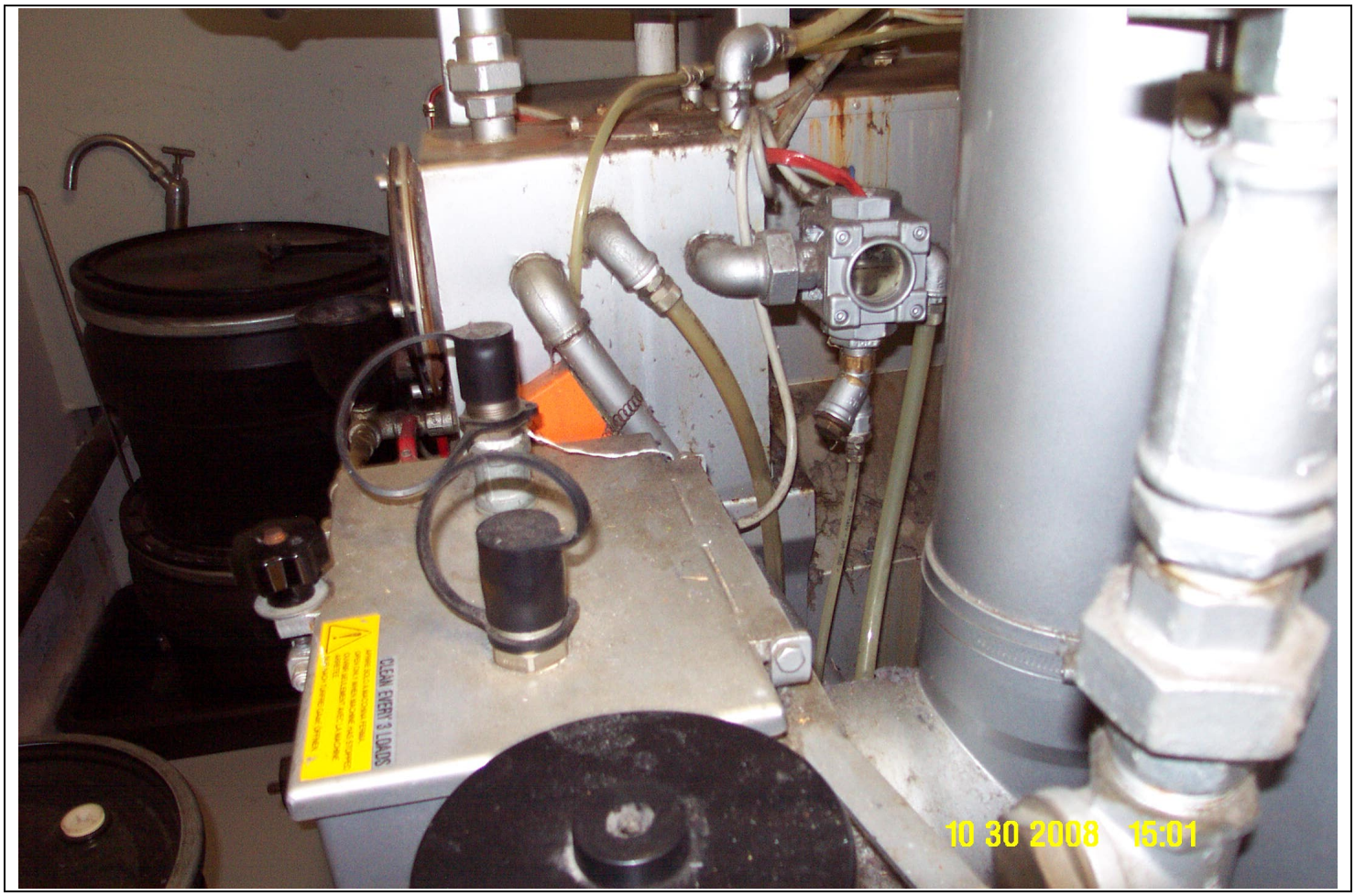
Manufacturer	Hurst			Hp	15
Model #	JOR 15A-100	Serial #	079724903	Mfg yr	1978

Fuel Type: Natural gas? ☒ Propane? ☐ Fuel oil? ☐

Comments: *The 1997 Hurst boiler is located outside to the back and west side of the building.*

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor



Project Id: 66964 **Permit No:** 1030417-003-AG **Arms Number:** 0417

Inspector: Shea Jackson **Inspection Date:** 10/30/08

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (11/00) with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: - This is the back area of the machine, no odors were detected the hazardous waste drum was in the secondary containment.

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor

Project Id: 66964 **Permit No:** 1030417-003-AG **Arms Number:** 0417

Inspector: Shea Jackson **Inspection Date:** 10/30/08

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (11/00) with a refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: - This was the facilities Halogen Detector and instruction manual with case.