

INSPECTION TYPE:

PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

COMPLAINT/DISCOVERY (CI)

ANNUAL (INS1, INS2)

RE-IN	ISPECTION (FUI) ARM	IS COMPLAINT NO:			
AIRS ID#: 103 0417	Date: 11/3/2011 Time	In: 11:55AM Time Out: 12:35AM			
Facility Name:	Sam E. Rosie, Inc.	www.pinocchiospizzarestaurant.com			
Facility Location:	35230 U.S. Highway 19 No	orth			
	Palm Harbor, FL, 34684				
Responsible Official:	Rosie Dianna	Phone No: 727-891-1768			
Emis. Unit Description:		ene Dry Cleaner: One Dry-to-dry machine with a exempt 10 HP natural gas fired boiler is on-site.			
Permit Number:	1030417-004-AG	Exp. Date: 10/15/2016			
Facility Contact:	Rosie Dianna	Phone: 727-891-1768			
Compliance Status:		SNC			
Г <u> </u>					
PART I: NOTIFICATIO	N (Check appropriate box)				
1. Existing facility notifie	d DARM by 9/1/96				
2. New facility notified D	ARM 30 days prior to startup	\sim			
3. Facility failed to notify	DARM to use general perm	it 🗌			
PART II: CLASSIFICA	ΓΙΟΝ				
Facility indicated on noti No Notification Form A.		Out of business Petroleum Solvent Only			
1. Existing small area	source	2. New small area source			
Dry-to-dry only, $x < 14$		Dry-to-dry only, $x < 140$ gal/yr			
Transfer only, $x < 200$		Transfer only, x <200 gal/yr \boxtimes			
Both types, x <140 gal	/yr	Both types, x <140 gal/yr			
(Constructed before 12	2/9/91)	(Constructed on or after 12/9/91)			
3. Existing large area		4. New large area source			
Dry-to-dry only, 140 >		Dry-to-dry only, 140> x <2,100 gal/yr			
Transfer only, $200 > x <$	- ·	Transfer only, 200> x <1,800 gal/yr			
Both types, $140 > x < 1$,		Both types, $140 > x < 1,800$ gal/yr			
(Constructed before 12/9/91) (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: 21.30 Gallons. Month with highest use was October 2011. Did facility exceed limits □Y □ N					
periou. <u>21.50</u> Ganons, month with ingrest use was <u>October 2011</u> . Du facility exceed limits $\Box 1$ $\Box N$					

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?	⊠ Y	\Box N	□ NA
2. Examining the containers for leakage?	$\boxtimes Y$	\Box N	□ NA
3. Closing and securing machine doors except during loading/unloading?4. Draining cartridge filters in their housing or in sealed containers for at	⊠ Y	\Box N	
least 24 hours prior to disposal?	$\boxtimes \mathbf{Y}$	\square N	\Box NA
5. Maintaining solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications?	ΩY	□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?	$\boxtimes \mathbf{Y}$	\Box N	\Box NA
2. Equipped dry-to-dry machines with a closed-loop vapor venting system?	$\boxtimes \mathbf{Y}$	\Box 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	□ NA
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45° F?	⊠ Y	□N	□NA
6. Conducted all temperature monitoring after an appropriate cool down period and after verifying the coolant had been completely charged?	ΓY	□N	⊠ NA

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

Measured and recorded the exhaust temperature on the outlet side of the condenser loc on dry-to-dry, reclaimer, and dryer machines on a weekly basis?	ated ⊠Y □N
Measured and recorded the washer exhaust tem-	et 🛛 Y 🔄 N 🔄 NA
Is the temperature differential equal to on $\sim \sim \sim$	$\Box Y \Box N \Box NA$
Measured and recorded the concentration veekly at the end	of the
final drying cycle while the ve is venting up of the second	ed
with a carbon ad i or?	$\Box Y \Box N \Box NA$
Is the performance or less the ppm?	$\square Y \square N \square NA$
	on dry-to-dry, reclaimer, and dryer machines on a weekly basis? Measured and recorded the washer exhaust tem- weekly? Is the temperature differential equal to on Measured and recorded the concentration final drying cycle while the period is venting with a carbon ard i pr?

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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 dust diameters upstream from any bend contraction, or expansion; and downstream from no other inlet?	ΠY	□N	□NA
5.	Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils?	ΠY	□N	□NA
6.	Routed airflow to the carbon adsorber (if used) at all times?	ΠY	□N	□NA
P/	ART V: RECORDKEEPING REQUIREMENTS			
	as the responsible official: heck appropriate boxes) 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;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 □Y	□N □N	⊠NA ⊠NA
4.	Maintained calibration data? (direct reading instruments only)	ΠY	□N	⊠NA
5.	Maintained exhaust duct monitoring data on perc concentrations?	ΠY	□N	⊠NA
6.	Maintained startup/shutdown/malfunction plan?	⊠Y	□N	
7.	Maintained deviation reports?	ΠY	□N	⊠NA

 $\Box N \boxtimes NA$

 $\Box N \boxtimes NA$

 $\Box Y$

ΠY

8. Maintained compliance plan, if applicable?

Problem corrected?

PART VI: LEAK DETECTION AND REPAIRS

1.	Does the responsible official conduct weekly le	ak det	ection a	and repair inspection?	$\boxtimes Y$	□N		
2.	. Which method of detection does the responsible official use?							
	Visual examination (condensed solvent of	exteri	or surfa	ces)	$\boxtimes \mathbf{Y}$	□N		
	Physical detection (airflow felt through ga	skets)			$\boxtimes \mathbf{Y}$	□N		
	Odor (noticeable perc odor)				$\boxtimes \mathbf{Y}$	□N		
	Use of direct-reading instrumentation (FII)/PID/	calorim	etric tubes)	$\Box Y$	$\boxtimes N$		
	If using direct-reading instrumentation, is the	equip	nent:		ΓY	ΠN		
	a. Capable of detecting perc vapor concen	tration	s in a ra	nge of 0-500 ppm	ΠY	$\Box N$		
	b. Calibrated against a standard gas prior	to and	after ead	ch use (PID/FID only).	ΠY	ΠN		
	c. Inspected for leaks and obvious signs of	f wear	on a we	ekly basis?	ΓY	ΠN		
	d. Kept in a clean and secure area when no	ot in us	se.		ΠY	ΠN		
	e. Verified for accuracy by use of duplicat	e samp	oles (cal	orimetric only)?	ΩY	ΠN		
3.	Has the facility maintained a leak log?				$\boxtimes \mathbf{Y}$	$\Box N$		
4.	The following area should be checked for leak	s by th	e opera	itor:	$\boxtimes \mathbf{Y}$	□N		
	Hose connections, fitting couplings, and valves	$\boxtimes \mathbf{Y}$	$\Box N$	Muck cookers	$\Box Y$	$\boxtimes N$		
	Door gaskets and seating	$\boxtimes \mathbf{Y}$	$\Box N$	Stills	$\boxtimes \mathbf{Y}$	□N		
	Filter gaskets and seating	$\boxtimes \mathbf{Y}$	$\Box N$	Exhaust dampers	$\boxtimes \mathbf{Y}$	□N		
	Pumps $\square Y \square N$ Diverter values							
	Solvent tanks and containers $\square Y \square N$ Cartridge Filter housing							
	Water separators	$\boxtimes \mathbf{Y}$	$\Box N$					

Shea Jackson	November 3, 2011	
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.) $\boxtimes Y \quad \Box N \quad \Box NA$

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). \boxtimes Y \square N \square 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 o	r PCE gas	analyzer	operated	according to	the manufa	cturer's
instructions? $\boxtimes Y$	□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? $\square Y \square N \square NA$

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? $\Box Y \quad \Box N \quad \boxtimes NA$

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? \square Y \square N \square NA

ADDITIONAL SITE INFORMATION

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

Inspection Comments:

- *I met with Ms. Rosie Dianna, the responsible official of the dry-to-dry operations, for the facility inspection.*
- I observed the 2010 2011 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 July 2011. The purchase records and the hazardous waste manifest were in yellow folder with the calendar records. The most recent P.O. was for 7/21/2011 for 19.3 gallons. The last Hazardous waste disposal was 4/16/2011.
- The temperatures recorded ranged between of 40 $^{\circ}F 41^{\circ}F$. The monitoring and recording of the leak checks were up to date
- I observed the Aero Tech dry-to-dry machine and associated equipment; which was not in operation at this time. The machine is clean
- She stated the dry to dry is only operated 2-3 cycles operated times a day.
- *Ms. Dianna demonstrated the use of her TIF XP 1A model Halogen leak detector. The detector did not sound alarm when checking the dry to dry. (See Photo).*
- *There were no perchloroethylene odors detected during the inspection of the facility.*
- The perchloroethylene hazardous waste containers were closed and located in secondary containment. Mrs. Rosie collects the separator water for hazardous waste disposal. (See photos)
- Ms. Diana Rosie signed the annual certification form.
- I gave her the P2 pamphlet and brochure and inspection summary. She stated the Perc was becoming more expensive. I discussed the possible use of Perc alternative solutions and conversion of machine. She stated she needs the calendar. I sent her email regarding fabrisolv/ecosolv and calendar.
- This facility was in compliance at this time.

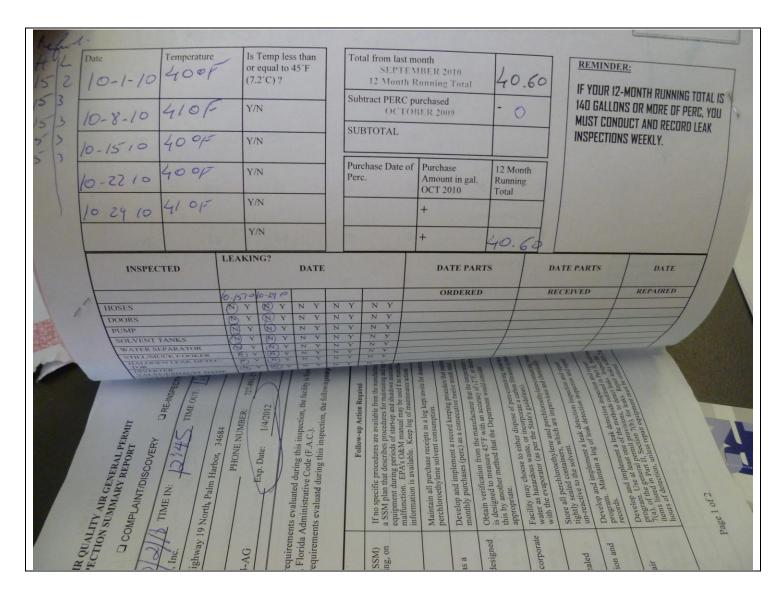
ADDITIONAL SITE INFORMATION

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

Machine #1:							
Manufacturer	Aero Tech		Capa	acity	40	lbs	
Model#	C402695		Seria	-	BO2P55 CMT	Mfg yr	2000
Machine #2:							
Manufacturer			Capa	acity		lbs	
Model#	-		Seria	al#		Mfg yr	
	inpermitted sour	•					
	•	ling out the notific	•	-		ΠY	$\boxtimes N$
	-	g out its own notif	fication, an	d will send	l it to FDEP?	$\Box Y$	$\boxtimes N$
Record keepin	0						
•		•	0	•	mperature sensor?	$\boxtimes \mathbf{Y}$	$\Box N$
` 1		accuracy $+/-2^{0}$ F,	or 7.2EC v	w/accuracy	$v \text{ of } +/-1.1^{0} \text{C}$		
Hazardous Wa	aste:						
1. Is all perc. co	ontaminated waste	ewater either treat	ed or dispo	osed of pro	perly?	$\boxtimes \mathbf{Y}$	$\Box N$
2. If wastewate	r is evaporated, is	s it an approved sy	stem, and	using carb	on filtration?	$\boxtimes \mathbf{Y}$	$\Box N$
3. Does the fac	ility have seconda	ary containment fo	or the dry-d	lry machin	e?	$\boxtimes \mathbf{Y}$	\Box N
4. Does the fac	ility have seconda	ary containment fo	or any perc	. waste cor	ntainers?	$\boxtimes \mathbf{Y}$	\Box N
Boiler:							
Manufacturer	Hurst					Нр	15
Model #	JOR 15A - 100	Se	erial #	79724903	5	Model	JOR
							15A -
							100
5 1 5				_	E 1 10 E		
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							
Comments:	The bollet is exe	mpt nom permitti	ilig, it is io		ide off the west side (ung

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor



 Project Id:
 80696
 Permit No: 1030417-004-AG
 Arms Number: 0417

 Inspector:
 Shea Jackson
 Inspection Date / Time: 11/3/2011 / _____

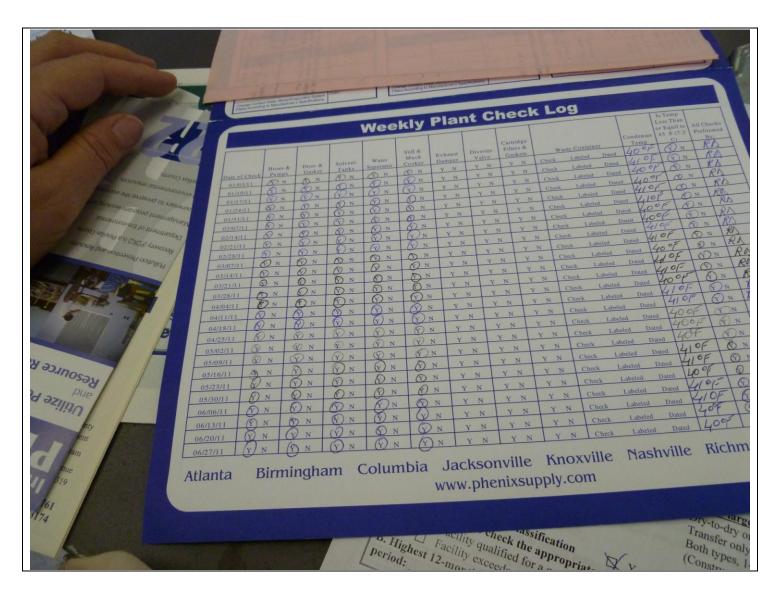
 Source (EU):
 New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine with a

refrigerated condenser. An exempt 10 HP natural gas fired boiler is on-site.

Description: [This is the records from 2010 in calendar form]

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor



Project Id:	<u>80696</u>	Permit No: 1030417-004-AG	Arms Number: <u>0417</u>
Inspector:	Shea Jackson	Inspection Date / Time: <u>11/3/</u>	2011 /
Source (EU)	: <u>New, Small Pe</u>	erchloroethylene Dry Cleaner: O	ne Dry-to-dry machine with a
	refrigerated	condenser. An exempt 10 HP na	tural gas fired boiler is on-site.
Description : year]	: [Facility has b	een using a vendor record sheet f	for leak check inspections for 2011

Sam E. Rosie, Inc. Royal Cleaners

35230 U.S. Highway 19 North, Palm Harbor



Project Id:	<u>80696</u>	Permit No: 1030417-004-AG	Arms Number: <u>0417</u>	
Inspector:	Shea Jackson	son Inspection Date / Time: <u>11/3/2011</u>		
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.				
Decomintion	The man on site	la official nonformation lock about	in an action with halo can data star	

Description: [The responsible official performing leak check inspection with halogen detector]