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 0424	**Date:** 10/14/2008	**Time In:** 10:50AM	**Time Out:** 11:30AM		
Facility Name:	Awad-Hanze (dba Suncoast)				
Facility Location:	16741 Gulf Boulevard				
	N. Redington Beach, FL, 33785				
Responsible Official:	Aldo Hanze	**Phone No:**	727-395-0038		
Emis. Unit Description:	New, small perchloroethylene Dry Cleaner, 1 Dry-to-dry machine (4/98 Aero Tech) with a refrigerated condenser, and 1 25 HP natural gas fired boiler.				
Permit Number:	1030424-004-AG	**Exp. Date:**	9/18/2013		
Facility Contact:	Pamela Clemmons	**Phone:**	727-395-0038		
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: 90.5 Gallons for the months of July and September 2008.

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 10[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 direct-reading instrumentation (FID/PID/calorimetric tubes)	☐	☒
	If using direct-reading instrumentation, is the equipment: Inficon Tek Med Detector	☒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. ***Stolen will replace***	☐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/zero Evaporators	☒Y ☐N			

Shea Jackson	October 14, 2008
Inspector=s Name (Please Print)	Date of Inspection
	Within one or two year of this inspection
Inspector=s Signature	Date of Next Inspection

ADDITIONAL SITE INFORMATION

Facility Name:	Awad-Hanze (dba Suncoast)
ARMS #:	103 0424

- *I went to this facility. I the reviewed the calendar 2007 – 2008 records, purchase invoices and waste manifests for the dry-to-dry machine. The temperature ranges were indicated as between 32 – 40℉. The records were up to date for leak and temperature checks. I observed the purchase invoices and waste manifest invoices for the facility disposal. Mr. Aldo Hanze performs the maintenance, leak checks and record keeping. Mr. Hanze stated they normally run 3 cycles a day, but now is less because business has not been good this year.*
- *We toured the facility and observed the dryer was in operation at this time.*
- *I did not detect any perchloroethylene odors during inspection of dryer. The dryer area was clean. There were no leaks noted during the observations collection on the dryer. (See photos)*
- *The thermometer at back of dryer is checked by Mr. Hanze stated adjacent to the condenser*
- *The boiler was in operations Hurst 25 HP*
- *The containers were observed to be in the secondary containment for dryer and hazardous waste from the dry to dry machine operation is kept in waste drums stored in boiler room, in separate secondary containment receptacles. (See photos)*
- *Safety Kleen is the contractor used to dispose of waste.*
- *The water separator a "Zero Waste" device is kept outside for the processing of the condensation water.*
- *I gave him P2 pamphlet with Tammy Allen name for looking into Hydrocarbon machines. He is interested in purchasing a machine. He is looking into it, but do to economic difficulties not sure can still do it.*
- *The halogenated detector had been purchased see invoice, he had checked machine and could not locate at the time of inspection. (See cleaner supply invoice.) He searched, but thinks it may have been stolen from his office. I asked him to contact me when he gets the replacement.*
- *This facility appears to be in compliance at this time.*

ADDITIONAL SITE INFORMATION

Facility Name:	Awad-Hanze (dba Suncoast)
ARMS #:	103 0424

Machine #1:	Aero Tech		
Manufacturer		Capacity	lbs
Model#		Serial#	Mfg yr
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? (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:

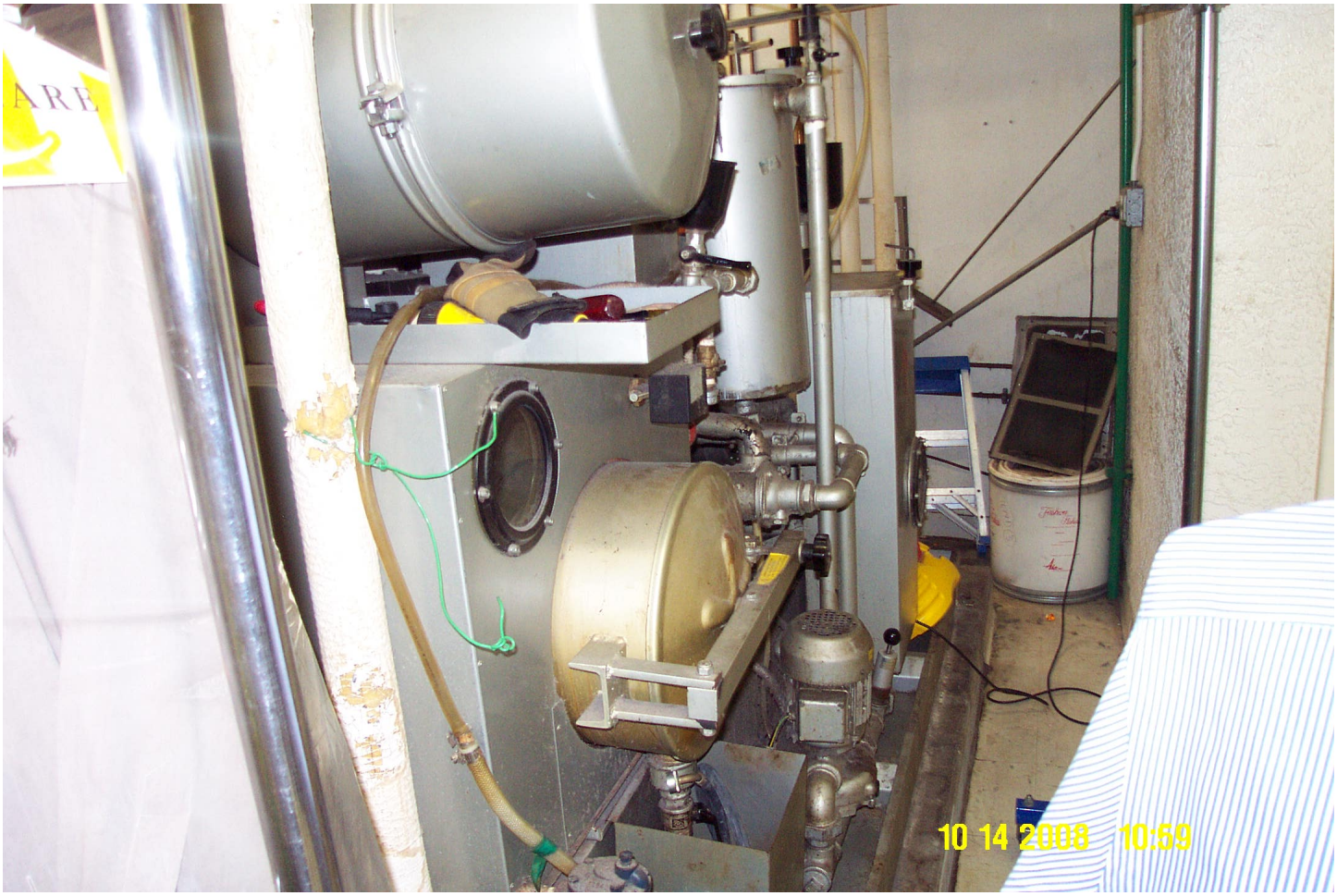
Manufacturer	Hurst	Hp	25
Model #	Serial #	Mfg yr	2002

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

Comments: The boiler was repaired and in operation

Hanze Suncoast Cleaners

16741 Gulf Boulevard, N. Redington Beach



Project Id: 66962 **Permit No:** 1030424-004-AG **Arms Number:** 0424

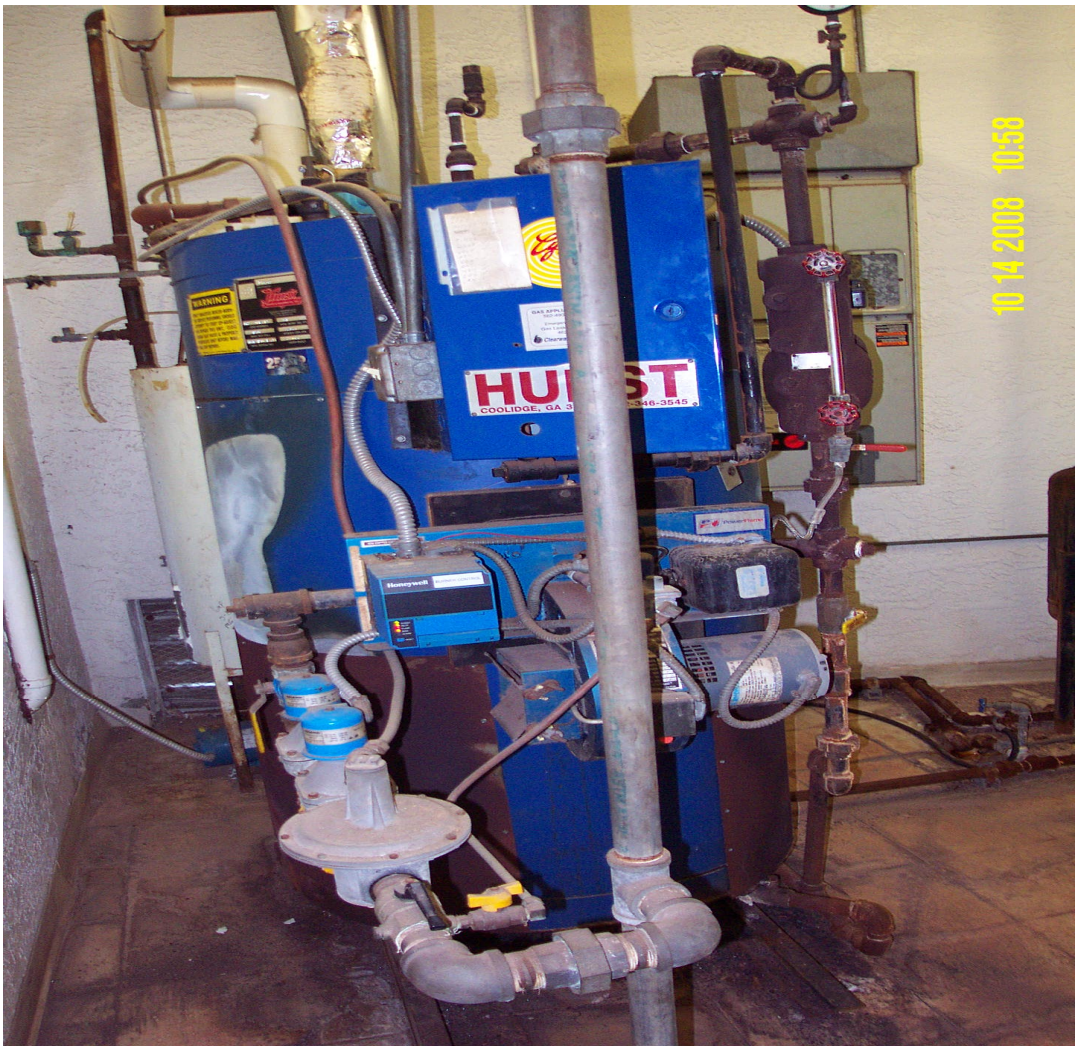
Inspector: Shea Jackson **Inspection Date:** 10/14/08

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (4/98-Aero Tech) with a refrigerated condenser, and 1 25 HP natural gas fired boiler.

Description: -The rear area of machine clean no Perc odors detected containers in secondary containment and closed

Hanze Suncoast Cleaners

16741 Gulf Boulevard, N. Redington Beach



Project Id: 66962 **Permit No:** 1030424-004-AG **Arms Number:** 0424

Inspector: Shea Jackson **Inspection Date:** 10/14/08

Source (EU): New, Small Perchloroethylene Dry Cleaner: One Dry-to-dry machine (4/98-Aero Tech) with a refrigerated condenser, and 1 25 HP natural gas fired boiler.

Description: -The Hurst boiler had been repaired and was in operation..