PERCHLOROETHYLENE DRY CLEANERS

COMPLIANCE INSPECTION CHECKLIST

Environmental Compliance

INSPECTION TYPE: ANNUAL (INS1, INS2) ☒ COMPLAINT/DISCOVERY (CI) ☐

RE-INSPECTION (FUI) ☐ ARMS COMPLAINT NO:

AIRS ID#: 1170060 **DATE:** **February 15, 20** **ARRIVE:** **09:05** **DEPART:** **09:40**

FACILITY NAME: FANTASTIC CLEANERS

FACILITY LOCATION: 124 West 2nd Street

SANFORD 32771

OWNER/AUTHORIZED REPRESENTATIVE: MICHONG CODRINGTON **PHONE:** (407)322-1112

CONTACT NAME: **PHONE:**

ENTITLEMENT PERIOD: 7/24/2006 (effective date) / 7/24/2011 (end date)

PART I: INSPECTION COMPLIANCE STATUS (check ☑ only one box)

☒ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE

PART II: FACILITY CLASSIFICATION - Rule 62-213.300 FAC
(check ☑ only one box in A)

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)

5. Ineligible for General Permit ☐
drop store/out of business/petroleum facility exceeds above limits

B. The total quantity of perchloroethylene (perc) purchased within the preceding 12 months by this dry cleaning facility was 39.86 gallons.

PART III: GENERAL CONTROL REQUIREMENTS – Rule 62-213.300 FAC

Does the responsible official of the dry cleaning facility:

(check ☑ only one box for each question)

1. Store perc, and wastes containing perc, in tightly sealed & impervious containers?	☒Yes	☐No	☐N/A
2. Examine the containers for leakage? ----------	☒Yes	☐ No	☐ N/A
3. Close and secure machine doors except during loading/unloading? ----------	☒ Yes	☐ No	
4. Drain cartridge filters in their housing or in sealed containers for at least 24 hours prior to disposal? ----------	☒Yes	☐ No	☐ N/A
5. Maintain solvent-to-carbon ratios and steam pressure for carbon adsorber beds according to the manufacturer's specifications? ----------	☐Yes	☐ No	☒ N/A

PART IV: PROCESS VENT CONTROLS – Rule 62-213.300 FAC

(Refer to Part II-A.1.-4. Classification: page 1 of 4, this form)

1. If the facility classification is a **Existing small area source**, no controls are required. **Proceed to Part V.**

2. If the facility classification is a **New small area source**, the machine should be equipped with a refrigerated condenser. **Complete section A. below.**

3. If the facility classification is a **Existing large area source**, the machine should be equipped with either a refrigerated condenser or a carbon adsorber. **Complete both sections A and B below.** *Carbon adsorber must have been installed prior to September 22, 1993*

4. If the facility classification is a **New large area source**, the machine should be equipped with a refrigerated condenser**. Complete both sections A and B below.**

A. Has the responsible official of all existing large area & new sources:

(check ☑ only one box for each question)

1. Equipped all machines with the appropriate vent controls? ----------	☒Yes	☐No	
2. Equipped dry-to-dry machines with a closed-loop vapor venting system? ----------	☒Yes	☐No	☐N/A
3. Equipped the condenser with a diverter valve so airflow will be directed away from the condenser upon opening the door? ----------	☒Yes	☐No	☐N/A
4. Measured and recorded the temperature of the outlet exhaust stream of a refrigerated condenser on a weekly basis? ----------	☒Yes	☐No	
5. Repaired or adjusted the equipment within 24 hours if the exhaust temperature of the condenser exceeded 45^{o} F? ----------	☐Yes	☐No	☒N/A
6. Conducted all temperature monitoring after an appropriate cool-down period and after verifying that the coolant had been completely charged? ----------	☒Yes	☐No	

PART IV: PROCESS VENT CONTROLS – Rule 62-213.300 FAC (continued)

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

(check ☑ only one box for each question)

1. Measure and record the exhaust temperature on the outlet side of the condenser located on dry-to-dry, reclaimer, and dryer machines on a weekly basis? ---------- ☐ Yes ☐ No

2. Measure and record the washer exhaust temperature at the condenser inlet and outlet weekly? ---------- ☐ Yes ☐ No ☐ N/A

   a) Is the temperature differential equal to, or greater than 20^{o} F? ---------- ☐ Yes ☐ No ☐ N/A

3. Measure and record the perc concentration in the exhaust stream weekly at the end of the final drying cycle while the machine is venting to the adsorber, if machines are equipped exclusively with a carbon adsorber? ---------- ☐ Yes ☐ No ☐ N/A

   a) Is the perc concentration equal to, or less than 100 ppm? ---------- ☐ Yes ☐ No ☐ N/A

4. Assure 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 duct diameters upstream from any bend, contraction, or expansion; and downstream from no other inlet? ---------- ☐ Yes ☐ No ☐ N/A

5. Equip transfer machines (dryers, reclaimers, and washers) with individual condenser coils? ---------- ☐ Yes ☐ No ☐ N/A

6. Route airflow to the carbon adsorber (if used) at all times? ---------- ☐ Yes ☐ No ☐ N/A

PART V: RECORDKEEPING REQUIREMENTS – Rule 62-213.300(3) FAC

Does the responsible official:

(check ☑ only one box for each question)

1. Maintain receipts for perc purchased? ---------- ☒ Yes ☐ No
2. Maintain rolling monthly total of yearly perc consumption? ---------- ☐ Yes ☒ No
3. Maintain leak detection inspection and repair reports for the following:
   a) documentation of leaks repaired w/in 24 hrs? or; ---------- ☐ Yes ☐ No ☒ N/A
   b) documentation of parts ordered to repair leak and leak repaired w/in 2 days and parts installed w/in 5 days of receipt? ---------- ☐ Yes ☐ No ☒ N/A
4. Maintain calibration data? *(for applicable direct reading instruments)* ---------- ☐ Yes ☐ No ☒ N/A
5. Maintain exhaust duct monitoring data on perc concentrations? ---------- ☐ Yes ☐ No ☒ N/A
6. Maintain a startup/shutdown/malfunction plan? ---------- ☒ Yes ☐ No
7. Maintain deviation reports? ---------- ☐ Yes ☐ No ☒ N/A
   a) Problem corrected? ---------- ☐ Yes ☐ No ☒ N/A
8. Maintain a compliance plan, if applicable? ---------- ☐ Yes ☐ No ☒ N/A

PART VI: LEAK DETECTION AND REPAIRS – Rule 62-213.300 FAC

(check ☑ only one box for each question)

1. Does the responsible official conduct a weekly (for small sources, bi-weekly) leak

detection and repair inspection? ---------- ☒ Yes ☐ No

2. Does the facility maintain a leak log? ---------- ☒ Yes ☐ No

3. Does the responsible official check the following areas for leaks?

a) Hose connections, fittings, couplings, and valves ----------	☒Yes	☐No	☐N/A	g) Muck cookers ----------	☒Yes	☐No	☐N/A
b) Door gaskets and seating ------	☒Yes	☐No	☐N/A	h) Stills ----------	☒Yes	☐No	☐N/A
c) Filter gaskets and seating------	☒Yes	☐No	☐N/A	i) Exhaust dampers -------	☒Yes	☐No	☐N/A
d) Pumps ----------	☒Yes	☐No	☐N/A	j) Diverter valves ---------	☒Yes	☐No	☐N/A
e) Solvent tanks and containers--	☒Yes	☐No	☐N/A	k) Cartridge filter housings	☒Yes	☐No	☐N/A
f) Water separators ----------	☒Yes	☐No	☐N/A				

4. Which method(s) of detection (is/are) used by the responsible official?

a) Visual examination (condensed solvent on exterior surfaces) ---------- a) ☒
b) Physical detection (airflow felt through gaskets) ---------- b) ☒
c) Odor (noticeable perc odor) ---------- c) ☒
d) Use of direct-reading instrumentation (FID/PID/calorimetric tubes) ---------- d) ☐ **(see below)
e) Halogen leak detector ---------- e) ☐

****If using direct-reading instrumentation, is the equipment:** ---------- ** ☐N/A

1) Capable of detecting perc vapor concentrations in a range of 0-500 ppm? ----------	1) ☐Yes	☐No
2) Calibrated against a standard gas prior to and after each use (PID/FID only)? -------	2) ☐Yes	☐No
3) Inspected for leaks and obvious signs of wear on a weekly basis? ----------	3) ☐Yes	☐No
4) Kept in a clean and secure area when not in use? ----------	4) ☐Yes	☐No
5) Verified for accuracy by use of duplicate samples (calorimetric only)? ----------	5) ☐Yes	☐No

Michael Young — Inspector's Name (Please Print)

February 15, 2008 — Date of Inspection

Michael Young — Inspector's Signature

Digitally signed by Michael Young
DN: cn=Michael Young, o=Florida Department of Environmental Protection, ou=Air Resource Management, email=Michael.Young@dep.state.fl.us, c=US
Date: 2008.02.15 13:01:33 -05'00'

March 2009 — Approximate Date of Next Inspection

COMMENTS:

FDEP Multimedia Program - DRY CLEANERS SECTOR
Inspection Checklist (Part II)

Facility Name :	Fantastic Cleaners
Facility Address :	124 West 2nd Street, Sanford, Florida 32771
Date/Time :	February 15, 2008 9:05-9:40
Persons present :	2
Responsible Official :	Leonard Codrington
Phone/Email :	(407) 322-1112

Hazardous Waste Requirements

{ ➧ indicates potential SNCs }

Inspection Question	Rule Reference	Answer
General Records:		
• Type of facility? (CESQG, SQG, LQG*)		☒ CESQG ☐ SQG
• Generator ID #:		FLD981027048
Preparedness & Prevention		
➧ Employee notification system?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.32(a)]	☒ Yes ☐ No
➧ Device to summon emergency response agencies?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.32(b)]	☒ Yes ☐ No
➧ Portable fire extinguishers and spill control equipment?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.32(c)]	☒ Yes ☐ No
➧ Adequate fire suppression equipment?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.32(d)]	☒ Yes ☐ No
➧ Program to test emergency equipment?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.33]	☒ Yes ☐ No
➧ Minimized possibility of spills and releases	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.31]	☒ Yes ☐ No
Contingency Planning:		
➧ Designated emergency coordinator?	SQG [40 CFR 262.34(d)(4)(i)] LQG [40 CFR 265.55]	Leonard Codrington
• Posted names and telephone numbers of emergency coordinators, locations of fire alarms and extinguishers, fire department telephone numbers, and evacuation routes?	SQG [40 CFR 262.34(d)(4)(ii)] LQG [40 CFR 265.52]	☒ Yes ☐ No
Storage of hazardous waste:		
• The facility must not be storing quantities of waste in excess of the quantity storage limits. To determine whether the facility is in compliance calculate the total weight of all perc waste in the storage area as follows:	Maximum quantity limits are: CESQG = 2,200 lbs SQG = 13,200 lbs	
• For 15-gal containers: # of containers 2 x 120 lbs/container = lbs stored		240
• For 30-gal containers: # of containers___ x 240 lbs/container = lbs stored		
➧ Are containers marked with an accumulation start date?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 262.34(a)(2)]	☒ Yes ☐ No
Is the facility in compliance with quantity and time limits for HW storage?		

*If the facility is an LQG then please refer to the Hazardous Waste Section for inspection.

FDEP Multimedia Program - DRY CLEANERS SECTOR
Inspection Checklist (Part II)

➡ SQG: is waste kept onsite ≤ 180 days?	SQG [40 CFR 262.34(d)]	☒ Yes ☐ No
➡ LQG*: is waste kept onsite ≤ 90 days?	LQG [40 CFR 262.34(a)]	☐ Yes ☐ No
• Is there satellite accumulation?	SQG [40 CFR 262.34(c)] LQG [40 CFR 262.34(c)]	☐ Yes ☒ No
• If applicable, are satellite areas at/near the point of generation?	SQG [40 CFR 262.34(c)] LQG [40 CFR 262.34(c)]	☐ Yes ☐ No
➡ Are containers labeled with the words "Hazardous Waste"?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 262.34(a)(3)]	☒ Yes ☐ No
➡ Are containers in good condition and kept closed?	SQG [40 CFR 262.34(d)(2),(4)] LQG [40 CFR 262.34(a)(1)(i)]	☒ Yes ☐ No
• Are containers compatible with contents?	SQG [40 CFR 262.34(d)(2)] LQG [40 CFR 262.34(a)(1)(i)]	☒ Yes ☐ No
• Adequate aisle space and clearly marked exits?	SQG [40 CFR 262.34(d)(4)] LQG [40 CFR 265.35]	☒ Yes ☐ No
• Are weekly inspections conducted and documented? [62-730.160(6) F.A.C.]	SQG [40 CFR 262.34(d)(2)] LQG [40 CFR 265.174]	☒ Yes ☐ No
• Are hazardous waste containers stored on a crack-free surface that will contain leaks or spills?		☒ Yes ☐ No
• Is there adequate secondary containment?		☒ Yes ☐ No
• Is entrance by unauthorized people restricted?		☒ Yes ☐ No
• Does the storage area have appropriate signage?		☐ Yes ☒ No
Record keeping		
• Are manifests properly completed?	SQG [40 CFR 262 subpart B] LQG [40 CFR 262 subpart B]	☒ Yes ☐ No
➡ Are the originals present?	SQG [40 CFR 262 subpart B] LQG [40 CFR 262 subpart B]	☒ Yes ☐ No
• Exception reports?	SQG [40 CFR 268.44] LQG [40 CFR 268.42]	☐ Yes ☐ No
➡ LDR completed?	SQG [40 CFR 268.7] LQG [40 CFR 268.7]	☐ Yes ☐ No
➡ Are logs, shipping records, manifests kept at the facility for at least three years?	**CESQG**[62-730.030(4) F.A.C.] SQG [40 CFR 262.44] LQG *[40 CFR 262.40]*	☒ Yes ☐ No
➡ Does the facility ensure waste disposal to a permitted facility?	**CESQG** [40 CFR 261.5(g)(3)] SQG [40 CFR 262.12(c)] LQG *[40 CFR 262.12(c)]*	☒ Yes ☐ No
Employee Training		
➡ Are employees trained in HW management?	SQG [40 CFR 262.34(d)(5)(iii)] LQG [40 CFR 265.16(a)&(b)]	☒ Yes ☐ No
Is the facility in the dry cleaner solvent clean-up program? If so, what is the Facility ID #?	376.303, F.S.	
Are dikes or other containment structures installed around each machine or item of equipment in which dry cleaning solvents are used and around any area in which solvents or waste-containing solvents are stored?	376.3078(9)(a), F.S.	☒ Yes ☐ No
Were all spills of more than 1 quart of dry cleaning solvent outside of a containment structure, on or after July 1, 1995, reported by the owner or operator to the state through the State Warning Point?	403.161(1)(d), F.S.	☐ Yes ☐ No ☒ N/A
If a spill occurred, did the owner or operator immediately upon the discovery of such a spill, initiate and complete actions to abate the source of the spill?	403.161(11)(d), F.S.	☐ Yes ☐ No ☒ N/A

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FDEP Multimedia Program - DRY CLEANERS SECTOR
Inspection Checklist (Part II)

AST/UST Questions:

Inspection Question		Answer
Does the facility store petroleum products in a UST or AST?		☐ Yes ☐ No

Separator Water Treatment System Questions:

Inspection Question		Answer
Is a separator water treatment system employed?		☐ Yes ☒ No
Is the treatment system directly plumbed to the dry cleaning unit? If so, is it within secondary containment?		☐ Yes ☐ No
Does the system include a filter to reduce the concentrations of chlorinated solvent(s) in the wastewater prior to evaporation or discharge?		☐ Yes ☐ No
Are records available to demonstrate that the filters have been changed in accordance with the manufacturer's recommendations?		☐ Yes ☐ No
Are wastewaters that contain soaps, detergents, chlorine, rust, etc. excluded from the treatments system in order to ensure that the filter is effective to treat the chlorinated solvents?		☐ Yes ☐ No

Industrial Wastewater Standards

Inspection Question:	Rule Reference	Answer
Does the facility discharge separator water, mop water from cleaning the work area, and vacuum return water to a sewer, tank, evaporator system provided with a filter to reduce chlorinated solvent concentrations, or container, and never to septic?	62.660 F.A.C.	☒ Yes ☐ No
Are solvent-based pre-spotters excluded from use on garments that are being laundered in a system that discharges to septic?	62.600 F.A.C.	☒ Yes ☐ No
Does the vacuum vent upward so that condensed solvent-containing water is returned to the vacuum tank rather than discharged onto ground?	403.087 F.S.	☒ Yes ☐ No
Is the boiler configured so that no contact water (separator water or vacuum return water) is introduced and can be discharged to the ground during the boiler bleed-off?	403.087 F.S.	☒ Yes ☐ No
If the facility discharges to surface waters, is it in compliance with NPDES?	62.620 F.A.C.	☐ Yes ☐ No
If the facility discharges to the ground, is it in compliance with a state permit?	62.620 F.A.C.	☐ Yes ☐ No
If the facility discharges to sewer, is it in compliance with local sewer permit?	62.625 F.A.C.	☐ Yes ☐ No
Is the facility on sewer other than POTW?	64 E-G	☐ Yes ☐ No

*If the facility is an LQG then please refer to the Hazardous Waste Section for inspection.

FDEP Multimedia Program - DRY CLEANERS SECTOR
Inspection Checklist (Part II)

Dry Cleaning Equipment

Type	Manufacturer	Serial Number	Capacity	Age

Other

Michael Young

Digitally signed by Michael Young
DN: cn=Michael Young, o=Florida Department of Environmental Protection, ou=Air Resource Management, email=Michael.Young@dep.state.fl.us, c=US
Date: 2008.02.15 13:21:35 -05'00'

*If the facility is an LQG then please refer to the Hazardous Waste Section for inspection.