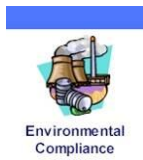




PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0341	Date: 6/5/13	Time In: 1:15PM	Time Out: 2:00PM
Facility Name:	Island Estate Cleaners, Inc.		
Facility Location:	755 Indian Rocks Road North Belleair Bluffs, FL, 33770		
Responsible Official:	Edward E. Hacker	Phone No:	727-584-8382
e-mail:	ed@scohndrycleaners.com		
Emis. Unit Description:	New Large Perchloroethylene Dry Cleaner: One Dry-to-dry machine. Columbia USA- TDMACCI 280MS purchased 2004, controlled by refrigerated condenser. An exempt 50 HP natural gas fired boiler is on-site.		
Permit Number:	1030341-005-AG	Exp. Date:	12/15/2016
Facility Contact:	Ed Hacker	Renewal Date:	11/15/2016
e-mail:		Phone:	727-584-8382
Compliance Status:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> MNC <input type="checkbox"/> SNC		

PART I: NOTIFICATION (Check appropriate box)

- Existing facility notified DARM by 9/1/96
- New facility notified DARM 30 days prior to startup
- 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.**
- | | |
|--|---|
| <p><u>1. Existing small area source</u>
 Dry-to-dry only, x <140 gal/yr
 Transfer only, x <200 gal/yr <input type="checkbox"/>
 Both types, x <140 gal/yr
 (Constructed before 12/9/91)</p> | <p><u>2. New small area source</u>
 Dry-to-dry only, x <140 gal/yr
 Transfer only, x <200 gal/yr <input type="checkbox"/>
 Both types, x <140 gal/yr
 (Constructed on or after 12/9/91)</p> |
| <p><u>3. Existing large area source</u>
 Dry-to-dry only, 140> x <2,100 gal/yr
 Transfer only, 200> x <1,800 gal/yr <input type="checkbox"/>
 Both types, 140> x <1,800 gal/yr
 (Constructed before 12/9/91)</p> | <p><u>4. New large area source</u>
 Dry-to-dry only, 140> x <2,100 gal/yr
 Transfer only, 200> x <1,800 gal/yr <input checked="" type="checkbox"/>
 Both types, 140> x <1,800 gal/yr
 (Constructed on or after 12/9/91)</p> |

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 ___ 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: 75 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 checked="" type="checkbox"/> Y | <input type="checkbox"/> N | <input type="checkbox"/> NA |

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? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| 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? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> 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 or less than 10 ppm? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> 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 condenser inlet? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 5. Equipped transfer machines (dryers, reclaimers, and washers) with individual condenser coils? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |
| 6. Routed airflow to the carbon adsorber (if used) at all times? | |

PART V: RECORDKEEPING REQUIREMENTS

Has the responsible official:

(Check appropriate boxes)

- | | |
|--|--|
| 1. Maintained receipts for perc purchased? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| 2. Maintained rolling monthly averages of perc consumption? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> 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? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 4. Maintained calibration data? (<i>direct reading instruments only</i>) | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 5. Maintained exhaust duct monitoring data on perc concentrations? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 6. Maintained startup/shutdown/malfunction plan? | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |
| 7. Maintained deviation reports?
Problem corrected? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA |
| 8. Maintained compliance plan, if applicable? | <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> Y	<input 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 checked="" type="checkbox"/> Y	<input 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	6/5/13
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:	Island Estate Cleaners, Inc.
ARMS #:	103 0341

Inspection Comments:

- During the inspection of the facility, I met with the Edward Hacker, the facility contact and owner, and Jose the dry to dry operator.
- I observed the calendar record logs, for 2012 and 2013.
- The records are kept on a Phoenix record log sheet furnished by their vendor, posted on machine.
- The records were up to date; with the current Perc total of 60 gallons. The facility highest month total was 75 gallons of Perc on November 2012
- The Perc purchase was on 3/18/12 for 30 gallon, and hazardous waste invoices, showed recent disposal on 3/12/13 of 150 lbs.
- I observed the machine during the operation and noted the temperature gauge was marked for maintaining cool down temperature below 45, the temperature observed was 31 degrees F at time of cool down. (see photo)
- The leak and temperature checks were up to date.
- Jose demonstrated the use of the Tek Mate halogen leak detector, there was no leak detected during leak check and no Perc odors detected.
- Mr. Hacker stated replaced all machine seals in October of 2012.
- The facility continues to use a water evaporator” Zero Waste HX mister”. The equipment has alarm for filter system change, and if Perc detected in water. This is located on the north side of the dry to dry machine. Mr. Hacker stated they change filters every 3 months.
- I observed the Hazardous waste drums from the dry to dry equipment in the secondary containment on the west side of machine. There are additional second containment vessels under each drum of haz waste.
- Mr. Hacker stated the perc cartridges drained over night, and disposed of this last month.
- The facility appears to be in compliance with GP conditions at this time

ADDITIONAL SITE INFORMATION

Facility Name:	Scott's Custom Cleaners
ARMS #:	103 0341

Machine #1:				
Manufacturer	Columbia USA	Capacity	80	lbs
Model#	TDMACCI 280S	Serial#		Mfg yr 2004

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	50
Model #	Serial # N850720461863	Mfg yr	2005

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: Hurst Exempt boiler

Island Estate Cleaners, Inc. Scott's Custom Cleaners

755 Indian Rocks Road North, Belleair Bluffs



Project Id: 84612 **Permit No:** 1030341-005-AG **Arms Number:** 0341

Inspector: Shea Jackson **Inspection Date / Time:** 6/5/2013 / _____

Source (EU): New Large Perchloroethylene Dry Cleaner: One Dry-to-dry machine. Columbia USA-TDMACCI 280MS purchased 2004, controlled by refrigerated condenser. An exempt 50 HP natural gas fired boiler is on-site.

Description: [The 2012 and 2013 records for the Perc totals, and leak and temperature checks were up to date at time of inspection. The purchase records attached to the calendars for review.]

Island Estate Cleaners, Inc. Scott's Custom Cleaners

755 Indian Rocks Road North, Belleair Bluffs



Project Id: 84612 **Permit No:** 1030341-005-AG **Arms Number:** 0341

Inspector: Shea Jackson **Inspection Date / Time:** 6/5/2013 / _____

Source (EU): New Large Perchloroethylene Dry Cleaner: One Dry-to-dry machine. Columbia USA-TDMACCI 280MS purchased 2004, controlled by refrigerated condenser. An exempt 50 HP natural gas fired boiler is on-site.

Description: [The operator using the halogen detector near Perc site glass, no leaks, and temperature observed during cool down was ~32 and below the required 45 F limitation]

Island Estate Cleaners, Inc. Scott's Custom Cleaners

755 Indian Rocks Road North, Belleair Bluffs



Project Id: 84612 **Permit No:** 1030341-005-AG **Arms Number:** 0341

Inspector: Shea Jackson **Inspection Date / Time:** 6/5/2013 / _____

Source (EU): New Large Perchloroethylene Dry Cleaner: One Dry-to-dry machine. Columbia USA-TDMACCI 280MS purchased 2004, controlled by refrigerated condenser. An exempt 50 HP natural gas fired boiler is on-site.

Description: [The evaporator “Zero” collects, filters water, and detects if Perc in evaporator water from the dry to dry. The Perc from the dry to dry goes in waste drums in secondary containment vessels.]

Island Estate Cleaners, Inc. Scott's Custom Cleaners

755 Indian Rocks Road North, Belleair Bluffs



Project Id: 84612 **Permit No:** 1030341-005-AG **Arms Number:** 0341

Inspector: Shea Jackson **Inspection Date / Time:** 6/5/2013 / _____

Source (EU): New Large Perchloroethylene Dry Cleaner: One Dry-to-dry machine. Columbia USA-TDMACCI 280MS purchased 2004, controlled by refrigerated condenser. An exempt 50 HP natural gas fired boiler is on-site.

Description: [The Hurst boiler as maintained in a separate room on the east side of building]