

FACILITY	BOCA RESORT & CLUB
PERMIT NO.	0990015-006-AV (Expires: 09/07/2013)
Inspection Date	09-05-2013
Arrival Time/Departure Time	10:00 am/ 11:15 am
Facility Contact	Dell Huggins
Phone Number	Office 561-447-3115, Cell 561-239-2527

Observations:

This full compliance evaluation (FCE) was conducted at Boca Raton Resort & Club on 9/5/2013 to ensure that the facility was in compliance with the permit requirements before the permit expires on 9/7/2013. The facility submitted General Permit (GP) notification to DEP Tallahassee on 8/7/2013. The facility will operate under GP after the expiration of Title V permit on 9/7/2013. It was observed the emissions units were in operation during the time of inspection. The recordkeeping were maintained on site as required by the permit. The Annual Statement of Compliance Report (SOCR) and Annual Operating Report (AOR) for the year 2012 were submitted on time. The facility submitted semi-annual report for Jul-Dec 2012. The semi-annual report for Jan-Jun 2013 will be submitted soon according to the facility contact Mr. Dell Huggins. The facility was advised to submit SOCR within 60 days after the expiration date and AOR before April 1, 2014 for the period the facility operated under Title V in the year 2013. The facility was also advised to submit the semi-annual report for the period between Jul-Sep 2013 to ensure all the months are reported to the department. Some copies of the recordkeeping maintained by the facility on site are attached with this inspection report.

Emission Units For This Facility		
EU ID	R/U/I	Description
<u>001</u>	Insignificant	Six (6) 1 MBTUH boilers
<u>006</u>	Unregulated	7 diesel and 1 natural gas generators, 2 diesel fire pumps
<u>007</u>	Regulated	TWO 10.46 MBTUH STEAM GENERATING UNITS
<u>008</u>	Regulated	Union Dry Cleaning System
<u>009</u>	Insignificant	Surface Coating Operations for Furniture Refinishing

Facility –Wide Conditions –	OK	Not Ok	NA
Objectionable odor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General VOC emissions standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General VE Standard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unconfined particular matter standard.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reports:			
Statement of Compliance by March 1?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annual Operations Report by May/April 1?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Annual Emissions Fee by March 1?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prevention of accidental release notification – CFR 68	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Permit Condition	Items	Compliance Status		
		OK	Not OK	NA
EU 007 – Fossil Fuel Steam Generating Units (Natural Gas)				
III.A.3	Visible Emissions (20% Opacity Except 2-minutes 40%)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.A.6	Permitted Capacity (10.46 MMBtu/hr)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
III.A.7 (b)	Authorized to fire only clean pipeline quality natural gas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

III.A.10	Compliance Monitoring Requirements – VE Test every FFY <i>Comment: The facility conducted annual VE Test on 7/22/2013 and report was received on 8/15/2013</i>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.A.11	Operating Records – The permittee shall maintain the following daily records for at least five years on the following: (a) Date (b) Start-up, Shutdown, or Malfunction Occurrences and Duration, (c) Natural Gas Consumption (mmSCF/day) <i>Comment: The facility records maintained on site was reviewed during the time of inspection. Copies of some daily reports are attached with this report.</i>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
EU 008 – Perchloroethylene (Perc) Dry Cleaning Equipment		
III.B.1	Perchloroethylene Consumption Cap – Max 2,100 gallons per year (8,000 ltr) <i>Comment: The 12-month rolling total perchloroethylene usage for the two units combined is 555 gallons.</i>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.4	Leak Detection Program – Weekly Inspection	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.5	Leak Repair Program – Repair all perceptible leaks detected under condition III.B.4 within 24 hours, if part to be ordered – initiate within 2 working days and complete within 5 working days after receipt.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.6	O/M Repair Program – If parameters monitored under III.B.3 do not meet the value in III.B.7 and III.B.8 the permittee shall make adjustment or repair within 24 hours, if part to be ordered – initiate within 2 working days and complete within 5 working days after receipt.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.7	Control Equipment Pressure & Outlet Temperature Requirement - Monitor, on weekly basis, the refrigeration system high pressure and low pressure during the drying phase to determine if they are in the range specified in manufacturer’s operations instructions.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Record the temperature, on weekly basis, of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser to determine if it is equal or less than 45°F <i>Comment: The recordkeeping maintained on site was reviewed during the inspection. Copies of some records are attached with this inspection report.</i>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.8	Control Equipment Inlet/Outlet Temperature Requirements – Calculate the temperature of the air-perchloroethylene gas-vapor stream entering the refrigerated condenser on a washer and the temperature of stream exiting - on weekly basis to determine the difference is greater than or equal to 20°F	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.9	Perchloroethylene Consumption Calculations – on the following first day of the every month, sum the volume of all perchloroethylene purchased in each of the previous 12 months. (If not purchased in the month the consumption for the month is zero)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.10	Initial and Semiannual Certification – notification of compliance status providing yearly perchloroethylene solvent consumption, compliance status of equipment.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

III.B.11	Perchloroethylene Purchases Records – Records for 5 years	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III.B.12	Manufacturers Data – retain onsite copy of the design specifications and operating manuals for each dry cleaning system and each emissions control device at the facility	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

JULY 2013

Boiler Hour Readings

Month August	Day	Boiler #1 Hour Meter Reading	Daily Hours	Boiler #1 Hour Meter Reading	Daily Hours
	1st				
	2nd	32652		24257	
	3rd	32663		off	
	4th				
	5th				
	6th				
	7th				
	8th	32734		24258	
	9th	32748		24259	
	10th				
	11th	32779		24259	
	12th				
	13th				
	14th				
	15th	32807		24293	
	16th	32815		24302	
	17th	32822		24312	
	18th	32830		24320	
	19th	32838		24328	
	20th				
	21st				
	22nd	32850		24356	
	23rd	32865		24364	
	24th	32876		24365	
	25th	32887		24373	
	26th	32894		24381	
	27th				
	28th				
	29th	32918		24409	
	30th	off		24415	
	31st	off		24425	
		Hours for month		Hours for Month	

1397-1460

Aug 2013

Boiler Hour Readings

Month August	Day	Boiler #1 Hour Meter Reading	Daily Hours	Boiler #2 Hour Meter Reading	Daily Hours
	1st	off		24436	
	2nd				
	3rd				
	4th				
	5th	32918		24574	
	6th	off		24591	
	7th	off		24614	
	8th	32931		off	
	9th	32946		off	
	10th			off	
	11th				
	12th	32990		off	
	13th	33005		off	
	14th	33018		off	
	15th	33032		off	
	16th	33045		24617	
	17th			off	
	18th			off	
	19th	33089		off	
	20th	33104		24627	
	21st	33112		24628	
	22nd	33121		24636	
	23rd				
	24th				
	25th				
	26th	33174		off	
	27th	33184		off	
	28th	33199		off	
	29th	33211		off	
	30th				
	31st				
		Hours for month		Hours for Month	

SEPT

Boiler Hour Readings

Month August	Day	Boiler #1 Hour Meter Reading	Daily Hours	Boiler #1 Hour Meter Reading	Daily Hours
	1st				
	2nd				
	3rd	33284		24640	
	4th	33296		off	
	5th	33309		off	
	6th				
	7th				
	8th				
	9th				
	10th				
	11th				
	12th				
	13th				
	14th				
	15th				
	16th				
	17th				
	18th				
	19th				
	20th				
	21st				
	22nd				
	23rd				
	24th				
	25th				
	26th				
	27th				
	28th				
	29th				
	30th				
	31st				
		Hours for month		Hours for Month	

DAILY BOILER LOG



DATE 9-1-13
20

Boiler on line	1		10					
Water level	Full		pull					
Pressure 120 - 135psi.	120		98					
Flue gas color C-clear W-white B - black								
Stack temp 400-450 F	355		380					
D F T Level	213		314					
D F T Pump on line	182		182					
D F T Pump pressure 180 - 240 psi.	210		210					
D F Temp. 218-220 F	220		220					
D F T Pressure 4-5 psi	2							
City water pressure 30 -60 psi.	36		34					
Water softener pressure 30 -60 psi	42							
Surface Blowdown ON / OFF								
LWCO Test by boiler Tech. or supervisor	35							

Remarks:

DAILY BOILER LOG

DATE 9/02/2013

Boiler on line	1	1					
Water level	Full	Full					
Pressure 120 - 135psi.	118	112					
Flue gas color C-clear W-white B - black	C	C					
Stack temp 400-450 F	420	400					
D F T Level	1/2	3/4					
D F T Pump on line	1/2	1/2					
D F T Pump pressure 180 - 240 psi.	210	210					
D F Temp. 218-220 F	230	235					
D F T Pressure 4-5 psi	7						
City water pressure 30 -60 psi.	38	54					
Water softener pressure 30 -60 psi	42						
Surface Blowdown ON / OFF							
LWCO Test by boiler Tech. or supervisor	35	41					

Remarks:

DAILY BOILER LOG

DATE 9-3-13
10:00

Boiler on line	1		1				
Water level							
Pressure 120 - 135psi.	100		105				
Flue gas color C-clear W-white B - black							
Stack temp 400-450 F	400		390				
D F T Level							
D F T Pump on line	1 & 2		1 & 2				
D F T Pump pressure 180 - 240 psi.	200		200				
D F Temp. 218-220 F	223		235				
D F T Pressure 4-5 psi							
City water pressure 30 -60 psi.	50		50				
Water softener pressure 30 -60 psi							
Surface Blowdown ON / OFF							
LWCO Test by boiler Tech: or supervisor	E39		41				

Remarks:

DAILY BOILER LOG

DATE 9-4-13
Tues 2013

Boiler on line	1	1	1				
Water level		full	full				
Pressure 120 - 135psi.	100	115	120				
Flue gas color C-clear W-white B - black		C					
Stack temp 400-450 F	400	400	420				
D F T Level		full	3/4				
D F T Pump on line	1 & 2	1/2	1 & 2				
D F T Pump pressure 180 - 240 psi.	200	210	210				
D F Temp. 218-220 F	230	225	225				
D F T Pressure 4-5 psi			6				
City water pressure 30 -60 psi.	45	48	52				
Water softener pressure 30 -60 psi		56	56				
Surface Blowdown ON / OFF							
LWCO Test by boiler Tech: or supervisor	E-9	E-10	7				

Remarks:

DAILY BOILER LOG

DATE 9-5-13
7:15

Boiler on line	1	1					
Water level		full					
Pressure 120 - 135psl.	125	115					
Flue gas color G - clear W - white B - black		C					
Stack temp 400-450 F	400	400					
D F T Level		full					
D F T Pump on line	1 & 2	1/2					
D F T Pump pressure 180 - 240 psl.	200	210					
D F Temp. 218-220 F	237	230					
D F T Pressure 4-5 psl							
City water pressure 30 - 80 psl.	50	50					
Water softener pressure 30 - 80 psl		58					
Surface Blowdown ON / OFF		h					
LWCO Test by boiler Tech. or supervisor	E51	E10					

Remarks:

July 2013 Drycleaner log Unit 2

Condenser temp. log

DATE	Temp in	Temp out	below 45 deg	Dif tem
7/6/13	89°	35°	(Y) N	54°
7/13/13	91°	35°	(Y) N	56°
7/20/13	91°	34°	(Y) N	57°
7/27/13	90°	34°	(Y) N	56°
			Y N	

Perc Purchases

TOTAL FROM LAST MONTH		280.0
SUBTRACT AMOUNT PURCHASED SAME MONTH LAST YEAR		16.0
DATE	AMOUNT	12 MONTH RUNNING TOTAL

INSPECTED	LEAKING ?				DATE PARTS ORDERED	DATE PARTS RECEIVED	DATE REPAIRED
	DATE						
	7/6/13	7/13/13	7/20/13	7/27/13			
Hose and pipe connections, fittings	Y (N)	Y (N)	Y (N)	Y (N)			
Door gaskets and seatings	Y (N)	Y (N)	Y (N)	Y (N)			
filter gasket and seatings	Y (N)	Y (N)	Y (N)	Y (N)			
Pumps	Y (N)	Y (N)	Y (N)	Y (N)			
solvent tank and containers	Y (N)	Y (N)	Y (N)	Y (N)			
Water separators	Y (N)	Y (N)	Y (N)	Y (N)			
Muck cookers	Y (N)	Y (N)	Y (N)	Y (N)			
stills	Y (N)	Y (N)	Y (N)	Y (N)			
Exhaust dampers	Y (N)	Y (N)	Y (N)	Y (N)			
Diverter valves	Y (N)	Y (N)	Y (N)	Y (N)			
Cartridge and filter housing	Y (N)	Y (N)	Y (N)	Y (N)			
leak detector use			Yes				

July 2013
REPAIR NOTES Unit 1

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

August 2013
REPAIR NOTES Unit 1

1. 08/07/2013 - cleaned both spin disc filters by
A.M. Phery. (replaced 6 spin disc filters)

2.

3.

4.

5.

6.

7.

8.

August 2013 Drycleaner log Unit 2

Condenser temp. log

DATE	Temp in	Temp out	below 45 deg	Dif tem
8/8/13	85°	37°	(Y) N	48°
8/10/13	90°	35°	(Y) N	55°
8/16/13	89°	35°	(Y) N	54°
8/24/13	92°	35°	(Y) N	57°
8/31/13	90°	34°	(Y) N	56°

Perc Purchases

TOTAL FROM LAST MONTH		265.0
SUBTRACT AMOUNT PURCHASED SAME MONTH LAST YEAR		- 0
DATE	AMOUNT	12 MONTH RUNNING TOTAL
8/23/13	15.0	280.0.

INSPECTED	LEAKING ?					DATE PARTS ORDERED	DATE PARTS RECEIVED	DATE REPAIRED
	DATE							
	8/3/13	8/10/13	8/16/13	8/24/13	8/31/13			
Hose and pipe connections, fittings	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Door gaskets and seatings	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
filter gasket and seatings	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Pumps	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
solvent tank and containers	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Water separators	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Muck cookers	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
stills	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Exhaust dampers	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Diverter valves	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
Cartridge and filter housing	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)			
leak detector use			Yes					

August 2013
REPAIR NOTES Unit 2

1. 8/14/2013 - Removed and clean both spin disc filters - by A.M. Chevy. (replaced 3 spin disc filters)

2.

3.

4.

5.

6.

7.

8.