



PERCHLOROETHYLENE DRY CLEANERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 103 0316	Date: 11/9/2010 Time In: 11:30AM Time Out: 12:15PM		
Facility Name: Facility Location:	Bristol Cleaners Express, Inc.		
	120 107th Avenue Treasure Island, FL, 33706		
Responsible Official:	Bassam Musa	Phone No:	727-360-2194
Emis. Unit Description:	New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine Multimatic SL40, serial number QR104240661 equipped with Refrigerated Condenser.		
Permit Number:	1030316-004-AG	Exp. Date:	10/10/2012
Facility Contact:	Bassam Musa	Phone:	727-360-2194
Compliance Status:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> MNC <input type="checkbox"/> SNC		
PART I: NOTIFICATION (Check appropriate box)			
1. Existing facility notified DARM by 9/1/96 <input type="checkbox"/>			
2. New facility notified DARM 30 days prior to startup <input checked="" type="checkbox"/>			
3. Facility failed to notify DARM to use general permit <input type="checkbox"/>			
PART II: CLASSIFICATION			
Facility indicated on notification form that it is:			
<input type="checkbox"/> No Notification Form <input type="checkbox"/> Drop-Off Store <input type="checkbox"/> Out of business <input type="checkbox"/> Petroleum Solvent Only			
A.			
<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)		<u>2. New small area source</u> Dry-to-dry only, x <140 gal/yr Transfer only, x <200 gal/yr <input checked="" type="checkbox"/> Both types, x <140 gal/yr (Constructed on or after 12/9/91)	
<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)		<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 type="checkbox"/> Both types, 140> x <1,800 gal/yr (Constructed on or after 12/9/91)	
This is a correct facility classification <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> Can not determine If no, please check the appropriate classification: <input checked="" type="checkbox"/> Facility qualified for a general permit as number ___ above. <input type="checkbox"/> 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: <u>70</u> Gallons. Month with highest use was <u>March 2009</u> . Did facility exceed limits <input type="checkbox"/> Y <input checked="" type="checkbox"/> 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 |
| 6. Routed airflow to the carbon adsorber (if used) at all times? | <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA |

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 type="checkbox"/> Y	<input type="checkbox"/> N
4. The following area should be checked for leaks by the operator:	<input 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	November 9, 2010
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:	Bristol Cleaners Express, Inc.
ARMS #:	103 0316

Inspection Comments:

- During the inspection met with the facility contact responsible official Bassam Musa.
- The calendar records for 2009 and 2010 were up to date. (See photo)
- The leak checks and temperature was indicating completed up to 11/3/2010. The average temperature range for the machine is 20 -21 F °
- The October Perc total was 50 gallons. The facility is within the Perc limitation total for this classification.
- The machine was not in operation at this time.
- The halogen detector was used by Mr. Musa to leak check the machine.
- There were no Perc odors and the alarm did not sound during observations of the machine.
- The most recent purchase order was for 15 gallons in September 2010
- The most recent hazardous waste disposal was by Safety Kleen on March 17, 2010 for 2 – 15 gallon containers of liquid and solid waste pickup.
- The facility had installed a new used Fulton 15 HP boiler which operates on propane. (See photo)
- The facility had also installed a new water evaporator a galaxy mister. (See photo)
- I gave Mr. Musa a copy of the inspection summary, and the P2R2 Pamphlets for Dry to dry machines operation.
- The facility is in compliance at this time.

ADDITIONAL SITE INFORMATION

Facility Name:	Bristol Cleaners Express, Inc.
ARMS #:	103 0316

Machine #1:			
Manufacturer	Multimatic 40	Capacity	lbs
Model#	SL 40	Serial#	QR104240661 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:

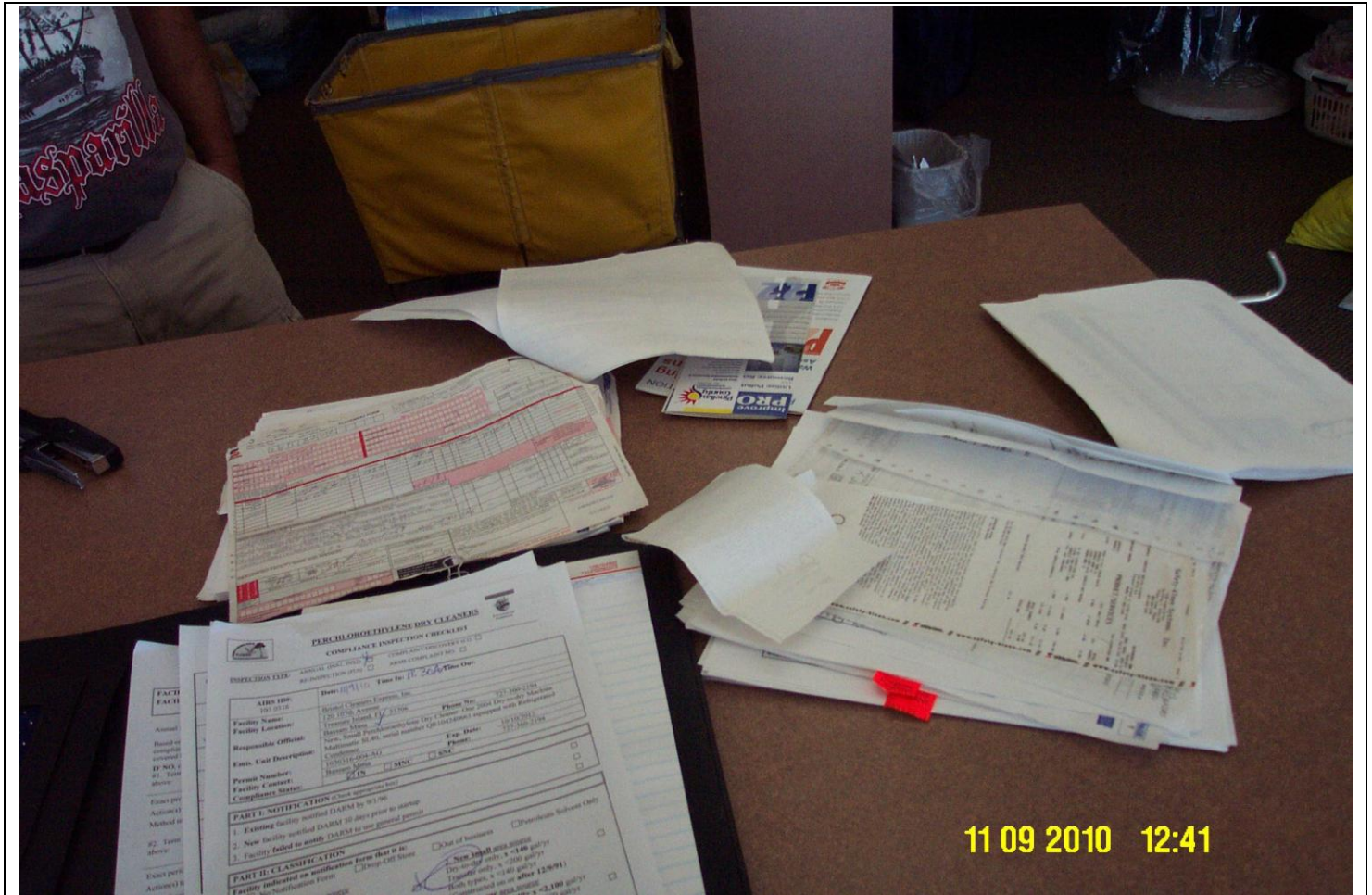
Manufacturer	Fulton	Hp	15
Model #	FR 015A	Serial #	Mfg yr 2005

Fuel Type: Natural gas? Propane? Fuel oil?

Comments: Boiler is exempt from permitting

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

Inspector: Shea Jackson **Inspection Date :** 11/9/2010

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine Multimatic SL40, serial number QR104240661 equipped with Refrigerated Condenser.

Description: [The facility had the records for 2009 and 2010, with copies of purchase orders and hazardous waste manifest documents. The received copies of the P2 information from AQ.]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

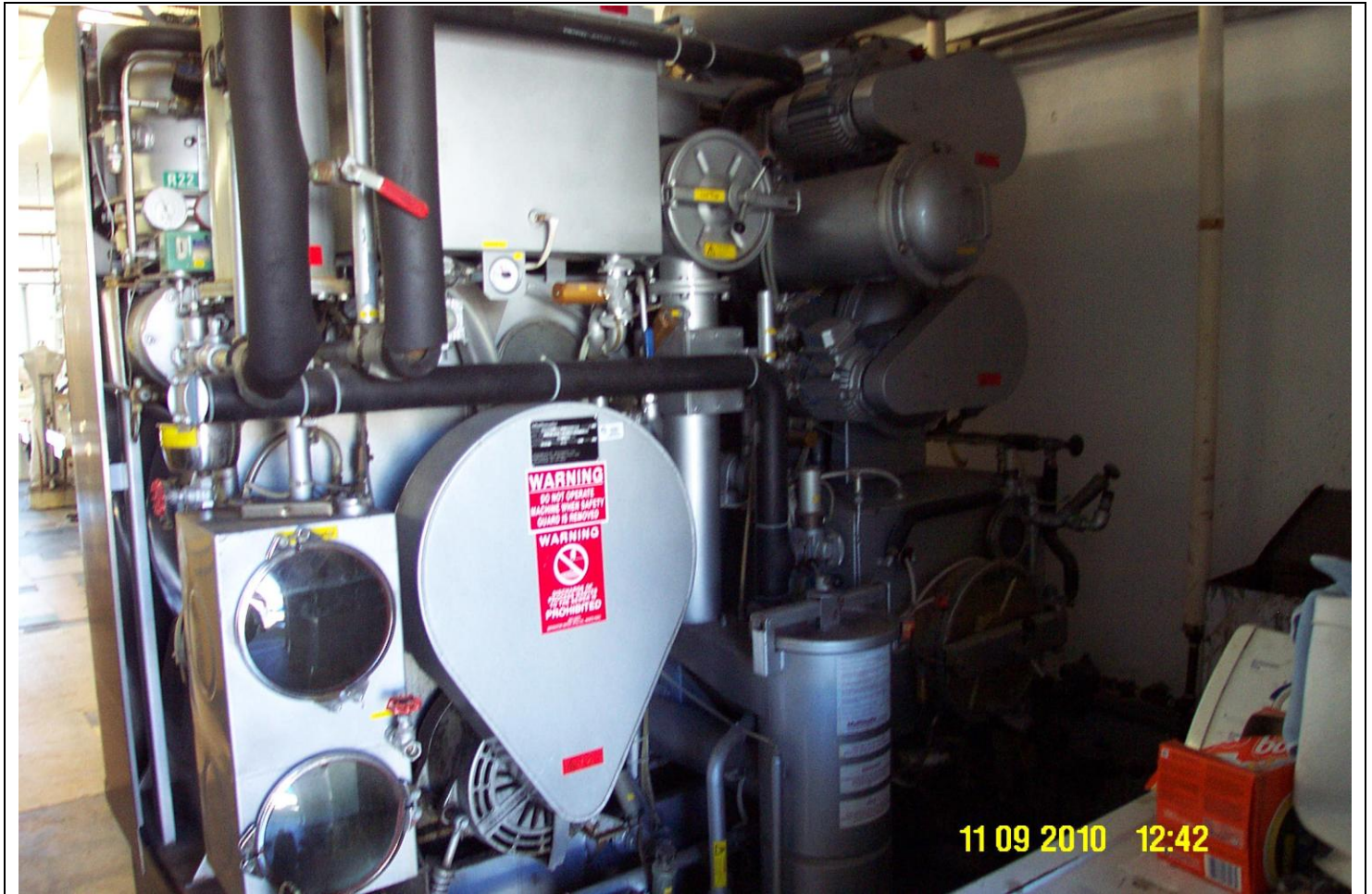
Inspector: Shea Jackson **Inspection Date / Time:** 11/9/2010 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [The dry to dry machine was not in operation at this time.]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

Inspector: Shea Jackson **Inspection Date :** 11/9/2010

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [There were no odors at the rear of the machine. The machine appears to be well maintained at this time.]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

Inspector: Shea Jackson **Inspection Date :** 11/9/2010

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [The hazardous waste containers were in secondary containment.]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

Inspector: Shea Jackson **Inspection Date / Time:** 11/9/2010 / _____

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [The responsible official Mr. Musa was performing a leak check of the dry to dry. The halogen leak detector did not sound alarm or detected any leaks]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry
120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

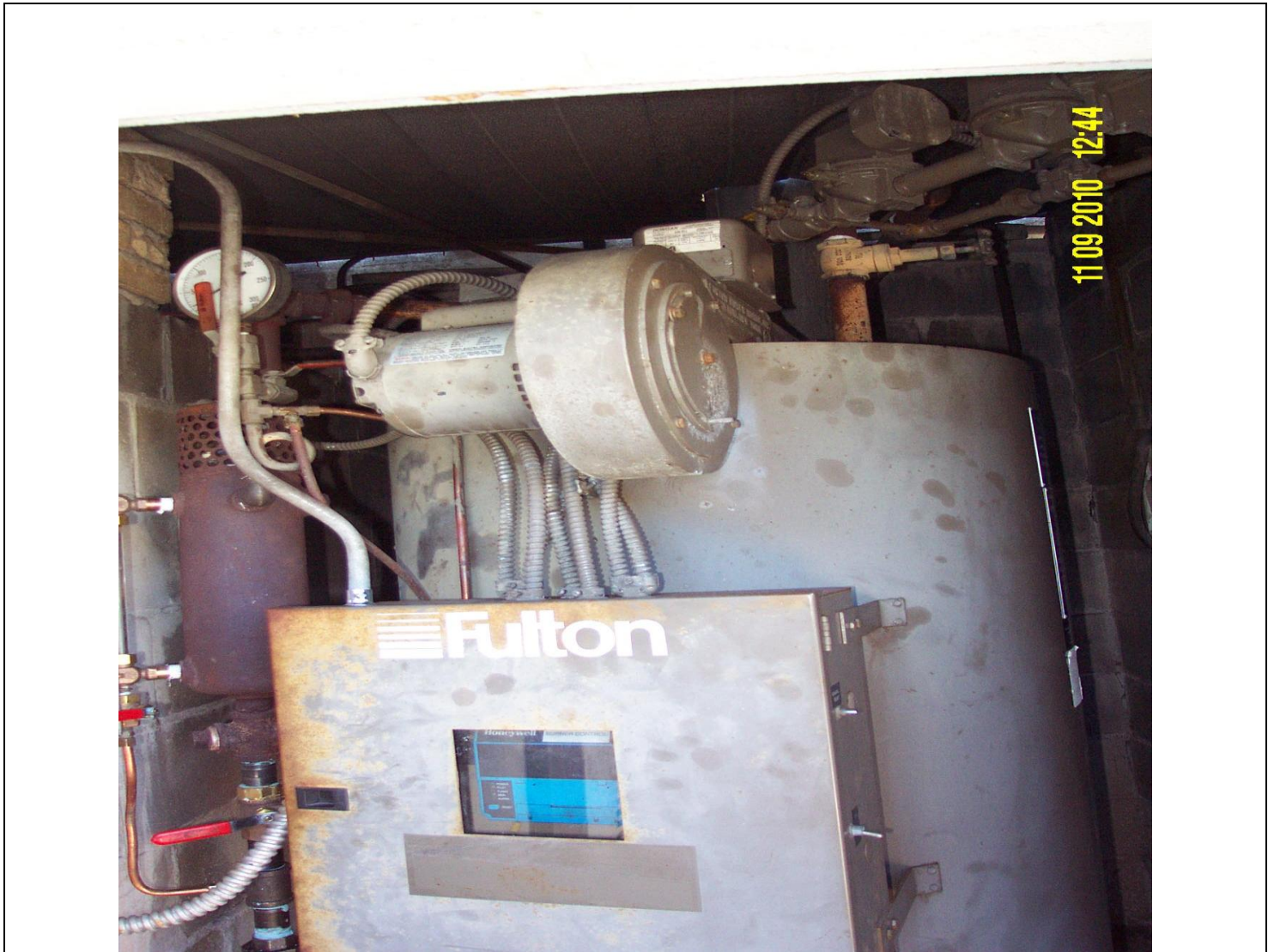
Inspector: Shea Jackson **Inspection Date :** 11/9/2010

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [The facility purchased a new evaporator, a Galaxy Mister to use for the separator water.]

Bristol Cleaners Express, Inc. Bristol Cleaners & Laundry

120 107th Avenue, Treasure Island



Project Id: 75676 **Permit No:** 1030316-004-AG **Arms Number:** 0316

Inspector: Shea Jackson **Inspection Date :** 11/9/2010

Source (EU): New, Small Perchloroethylene Dry Cleaner: One 2004 Dry-to-dry Machine
Multimatic SL40, serial number QR104240661 equipped with Refrigerated
Condenser.

Description: [The facility purchased a new used 2005 Fulton boiler 15 HP]