HALOGENATED SOLVENT DEGREASERS

Environmental Compliance

COMPLIANCE INSPECTION CHECKLIST

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

RE-INSPECTION (FUI) ☐ ARMS COMPLAINT NO:

AIRS ID#: 0112728 **DATE:** _____ **ARRIVE:** _____ **DEPART:** _____

FACILITY NAME: HALL ENGINE COMPANY

FACILITY LOCATION: 258 SW 32ND CT

FT LAUDERDALE 33315-3325

OWNER/AUTHORIZED REPRESENTATIVE: ROBERT SCOTT **PHONE:** (954)767-9000
Email: **Mobile:**
CONTACT NAME: ROBERT SCOTT **PHONE:** (954)767-9000
Email: **Mobile:**
ENTITLEMENT PERIOD: 4/28/2011 (effective date) / 4/28/2016 (end date)

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

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

PART II: NOTIFICATION – Rule 62-210.300 FAC
(check ☑ appropriate box(es))

1. Halogenated solvent used at facility:
   - perchloroethylene ---------- ☐
   - methylene chloride ---------- ☒
   - trichloroethylene ---------- ☐
   - 1,1,1-trichloroethane ------ ☐
   - carbon tetrachloride ------- ☐
   - chloroform ---------- ☐

2. Indication on notification form that facility has the following machine type(s).
   - Batch Vapor, x ≤ 1.21 m^2 ---------- ☐
   - Batch Vapor, x > 1.21 m^2 ---------- ☐
   - New In-line ---------- ☐
   - Existing In-line ---------- ☐
   - Batch Cold ---------- ☐

PART III: CLASSIFICATION – Rule 62-213.300 FAC
Indicate the machine type(s) observed at the facility:

Batch Vapor, x ≤ 1.21 m^2 --☒	New In-line ------ ☐	Batch Cold (immersion)-------- ☐
Batch Vapor, x > 1.21 m^2 --☐	Existing In-line --☐	Batch Cold (remote reservoir)--☐

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

A. Batch Vapor and In-Line Machines

1. Does the facility maintain an idling and downtime mode cover that is readily opened and closed, that completely covers, has no cracks, holes, or defects; OR maintain a room designed with reduced draft according to Part II, Section (5)(c)6.b of the permit notification? ---------- ☐Yes ☐No

2. Does the facility maintain a freeboard ratio of 0.75 or greater? ---------- ☐Yes ☐No

3. Does the facility utilize a parts basket or parts whose size is less than 50% of the solvent-air interface area; OR introduce parts or parts basket at 0.9 m/min (3 ft/min) or less? ---------- ☐Yes ☐No

4. Does the facility conduct all spraying operations within the vapor zone or an area not directly exposed to ambient air? ---------- ☐Yes ☐No

5. Does the facility install and maintain an automated parts handling system capable of moving the parts/parts basket at 3.4 m/min. (11ft/min) or less? ---------- ☐Yes ☐No

6. Does the facility install and maintain a carbon adsorber on all machines using a lip exhaust? The exhaust concentration should not exceed 100 ppm halogenated solvent, the carbon adsorber should not be by-passed, the lip exhaust shall be located above the closed machine cover. ---- ☐Yes ☐No ☐N/A

7. Does the facility have each machine equipped with:
   a. a device to shut off sump heat if the solvent level drops to the heater coils? ---------- ☐Yes ☐No
   b. a device to shut off sump heat if the vapor level rises above the height of the vapor condenser? ---------- ☐Yes ☐N
   c. a primary condenser? ---------- ☐Yse ☐N

8. Does the facility store all waste solvent, still bottoms, and sump bottoms in closed containers? ---------- ☐Yes ☐No

B. Batch Cold Cleaning Machines

1. Does the facility collect and store all waste solvent in closed containers? ---------- ☒Yes ☐No
2. Does the facility use a flexible hose or flushing device only within the freeboard area? ---------- ☒Yes ☐No
3. Does the facility drain cleaned parts for 15 seconds or longer or until dripping ceases, whichever is longer? ---------- ☒Yes ☐No
4. Does the facility maintain the solvent level inside the machine at or below the fill line? ---------- ☒Yes ☐No
5. Does the facility immediately clean up spills during solvent transfer? Store wipe rags in a covered container? ---------- ☒Yes ☐No
6. Does the facility operate the agitator to produce a rolling motion? *(applicable only when air or pump agitated solvent bath used).* ---------- ☐Yes ☐No ☒N/A
7. Does the facility ensure that the machine is not exposed to drafts greater than 40 m/min (132 ft/min) when the cover is open? ---------- ☒Yes ☐No
8. Does the facility ensure that sponges, fabrics, wood and paper products are not placed in the machine? ---------- ☒Yes ☐No

Remote Reservoir Type Only

9. Does the facility employ a tightly fitting cover over the solvent sump? The cover must be closed at all times except during parts cleaning. ---------- ☐Yes ☐No ☐N/A

Immersion Type Only

10. Does the facility employ a tightly fitting cover and a water layer with a thickness of at least 2.5 cm (1 in.); OR employ a tightly fitting cover and maintain a freeboard ratio of 0.75? Tightly fitting cover must be closed at all times except during parts entry and removal. ---------- ☒Yes ☐No ☐N/A

PART V: PROCESS VENT CONTROLS – Rule 62-213.300 FAC *(not applicable to batch cold cleaning machines)*

Facility chose to meet requirements using:

control device combination / work practice standards ---------- ☐
alternative solvent emission limit *(proceed to Part VI)* ---------- ☐
idling emission limit / work practice standards *(proceed to Part VI)* ---------- ☒

A. Batch Vapor Machines, x ≤ 1.21 m^2

(Select control combination)

DEVICE IN USE

1.	☐g	working mode cover -- ☐	1.0 freeboard ratio - ☐	superheated vapor -------☐
2.	☐g	reduced room draft --- ☐	1.0 freeboard ratio - ☐	superheated vapor -------☐
3.	☐g	reduced room draft --- ☐	1.0 freeboard ratio - ☐	dwell ----------☐
4.	☐g	freeboard refrig. device☐	superheated vapor -- ☐	
5.	☐g	freeboard refrig. device☐	working mode cover ☐	
6.	☐g	freeboard refrig. device☐	reduced room draft ☐	
7.	☐g	freeboard refrig. device☐	1.0 freeboard ratio - ☐	
8.	☐g	freeboard refrig. device☐	dwell ---------- ☐	
9.	☐g	freeboard refrig. device☐	carbon adsorber ---- ☐	
10.	☐g	carbon adsorber ------- ☐	1.0 freeboard ratio - ☐	superheated vapor ------ ☐

B. Batch Vapor Machines, x > 1.21 m^2

(Select control combination)

DEVICE IN USE

1.	☐g	freeboard refrig. device☐	superheated vapor -- ☐	1.0 freeboard ratio ------ ☐
2.	☐g	freeboard refrig. device☐	superheated vapor -- ☐	working mode cover --- ☐
3.	☐g	freeboard refrig. device☐	superheated vapor -- ☐	reduced room draft ----- ☐
4.	☐g	freeboard refrig. device☐	superheated vapor -- ☐	carbon adsorber --------- ☐
5.	☐g	freeboard refrig. device☐	reduced room draft - ☐	dwell ----------☐
6.	☐g	freeboard refrig. device☐	reduced room draft - ☐	1.0 freeboard ratio ------ ☐
7.	☐g	1.0 freeboard ratio ☐	reduced room draft - ☐	superheated vapor ------ ☐

C. Existing In-Line Machines

(Select control combination)

DEVICE IN USE

1.	☐g	freeboard refrig. device☐	1.0 freeboard ratio - ☐
2.	☐g	superheated vapor ---- ☐	1.0 freeboard ratio - ☐
3.	☐g	freeboard refrig. device☐	dwell ---------- ☐
4.	☐g	carbon adsorber ------- ☐	dwell ---------- ☐

D. New In-Line Machines

(Select control combination)

DEVICE IN USE

☐	freeboard refrig. device☐	superheated vapor - ☐
☐	freeboard refrig. device☐	carbon adsorber ---- ☐
☐	superheated vapor ----- ☐	carbon adsorber ---- ☐

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

Has the responsible official maintained the following:

1. Owner's manuals, design specifications, and other instructional materials for cleaning machine and control equipment? ----------	☒Yes	☐No	
2. Date of installation for cleaning machine and all control devices? If the exact date is unknown, they must have a letter stating installation occurred before or after 11/29/93. -----	☒Yes	☐No	
3. Halogenated solvent content for each solvent used? *(exempt if <5% by weight)* ----------	☒Yes	☐No	
4. Estimates of annual solvent consumption for each machine? ----------	☒Yes	☐No	
5. Dates of solvent additions and amounts added to each machine? *(applicable only to those using an alternative emission limit)* ----------	☒Yes	☐No	☐N/A
6. Idling emissions limit tests, including values obtained during the initial performance test? *(applicable only to those using an idling emissions limit)* ----------	☒Yes	☐No	☐N/A
7. All control device and parameter monitoring? *(applicable only to batch vapor and in-line machines)* ----------	☒Yes	☐No	☐N/A
8. Information on remedial actions in the event of exceedances or other repairs and subsequent monitoring of affected parameters? ----------	☒Yes	☐No	☐N/A
9. Monthly emissions calculations *(applicable only to those using an alternative or idling emission limit)* ----------	☒Yes	☐No	☐N/A
10. 3-month rolling average emissions calculations? *(applicable only to those using an alternative emission limit)* ----------	☒Yes	☐No	☐N/A
11. Cleaning capacity calculations? *(applicable only to those using an alternative emission limit without a solvent-air interface)* ----------	☒Yes	☐No	☐N/A

C.Pitters	05/02/2013
Inspector's Name (Please Print)	Date of Inspection
	05/02/2014
Inspector's Signature	Approximate Date of Next Inspection

COMMENTS: