



HALOGENATED SOLVENT DEGREASERS



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0250983 **DATE:** 5/30/07 **ARRIVE:** 1:40 PM **DEPART:** 2:25 PM
FACILITY NAME: PROPULSION TECHNOLOGY
FACILITY LOCATION: 8855 NW 35th Lane
MIAMI 33122
RESPONSIBLE OFFICIAL: MICHEL FIOT **PHONE:** (305)592-1044
CONTACT NAME: **PHONE:**
REMITTANCE YEAR: 2006 **ENTITLEMENT PERIOD:** 12/5/2003 / 12/5/2008
(effective date) (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, $x \leq 1.21 \text{ m}^2$ ----- ☒
Batch Vapor, $x > 1.21 \text{ m}^2$ ----- ☐
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, $x \leq 1.21 \text{ m}^2$ -- ☒ New In-line ----- ☐ Batch Cold (immersion)----- ☐
Batch Vapor, $x > 1.21 \text{ m}^2$ -- ☐ 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, $x \leq 1.21 \text{ m}^2$

(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 - ☐ | dwel ----- ☐ |
| 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 ☐ | dwel ----- ☐ | |
| 9. ☐ g | freeboard refrig. device ☐ | carbon adsorber ---- ☐ | |
| 10. ☐ g | carbon adsorber ----- ☐ | 1.0 freeboard ratio - ☐ | superheated vapor ----- ☐ |

B. Batch Vapor Machines, $x > 1.21 \text{ m}^2$

(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 - ☐ | dwel ----- ☐ |
| 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 ☐ | dwel ----- ☐ |
| 4. ☐ g | carbon adsorber ----- ☐ | dwel ----- ☐ |

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? (<i>exempt if <5% by weight</i>) ----- | ☒ Yes | ☐ No |
| 4. Estimates of annual solvent consumption for each machine? ----- | ☒ Yes | ☐ No |
| 5. Dates of solvent additions and amounts added to each machine? (<i>applicable only to those using an alternative emission limit</i>) ----- | ☒ Yes | ☐ No ☐ N/A |
| 6. Idling emissions limit tests, including values obtained during the initial performance test? (<i>applicable only to those using an idling emissions limit</i>) ----- | ☐ Yes | ☐ No ☒ N/A |
| 7. All control device and parameter monitoring? (<i>applicable only to batch vapor and in-line machines</i>) ----- | ☒ 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 (<i>applicable only to those using an alternative or idling emission limit</i>) ----- | ☐ Yes | ☐ No ☒ N/A |
| 10. 3-month rolling average emissions calculations? (<i>applicable only to those using an alternative emission limit</i>) ----- | ☐ Yes | ☐ No ☒ N/A |
| 11. Cleaning capacity calculations? (<i>applicable only to those using an alternative emission limit without a solvent-air interface</i>) ----- | ☐ Yes | ☐ No ☒ N/A |

FRANK DELGADO

5/30/07

Inspector's Name (Please Print)

Date of Inspection

5/2008

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: ALL RECORDS WERE AVAILABLE. THEY ARE LOCATED NEXT TO THE VAPOR DEGREASER.