

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT
FEE SCHEDULE 26F
WAYNEVAC SYSTEMS E.O. G-70-153-AD
INSPECTION CHECKLIST**

Annual Mid-Year Test/Witness Inspection Date: _____

Company (DBA) _____

Location: _____

Representative: _____ Title: _____

Sector/ID #: _____ Permit #: _____ Expiration Date: _____

EQUIPMENT DESCRIPTION

Is equipment description same as Permit to Operate? Yes No

If no, are changes in compliance with applicable District rules? Yes No

Description of changes: _____

Permit posted in compliance with applicable District rules? Yes No

Were permit conditions reviewed? (Current, supported by a rule, enforceable) Yes No

Operating in compliance with permit conditions? (If not, list affected permit condition(s)) Yes No

PHASE I VAPOR RECOVERY

Submerged Fill Pipe (SFP) (Annual Inspection Only)

Product _____ SFP Measurements _____ “

Product _____ SFP Measurements _____ “

Product _____ SFP Measurements _____ “

Product _____ SFP Measurements _____ “

Tank caps and gaskets in good condition? Yes No

Drybreak(s) operable and properly seal(s)? Yes No

Fuel drop observed? Yes No

If yes, was all Phase I equipment (hoses, hose elbow gaskets, etc) used properly and in good working order? Yes No

Are the P/V valves installed with a three (3) inch positive pressure and an eight (8) inch negative pressure setting and on each tank vent? Yes No

Are vent lines manifolded aboveground? Yes No

If so, is manifold greater than 12 feet above driveway surface? Yes No N/A

Are the storage tank vent pipes, manhole covers, and spill containment covers maintained in a color to minimize solar gain and have a reflective effectiveness of 55% or greater or color coded for product identification? Yes No

For storage tank vent pipes and manholes which are not color coded for product identification are paint color cards maintained onsite? Yes No N/A

PHASE II WAYNEVAC SYSTEM

Nozzle(s), manufacturer(s), and model(s): _____

Are nozzles certified and installed per Attachment 1? Yes No

Are nozzles equipped with VEG, ECD, VG, VSG and free of all defects per Attachment 1? Yes No

Hose(s), manufacturer(s)/model(s): _____

Are hoses certified and installed per Attachment Yes No

Length of longest hose: _____ (Maximum length of any hose shall be fifteen (15) feet.)

Additional equipment certified and installed per Attachment 1? Yes No

Bag test performed? (Per GDF-01 or GDF-03) Yes No

If yes, list nozzles tested and results. _____

RENEWAL TESTING NA

District notified 15 calendar days prior to the required annual test(s)? Yes No

Date(s) of notification: _____

Test conducted 45 calendar days prior to renewal date? Yes No

Date(s) results received: _____

Annual test:	<u>Date</u>	<u>Tests</u>	<u>Pass</u>	<u>Fail</u>	<u>Incomplete</u>
1.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LEGEND: 2" = Two inch Pressure Decay A/L = Air- to-Liquid TT = Torque Test
10" = Ten inch Pressure Decay DT = Drop Tube Integrity Test PV – PV Valve Test

Test results submitted to the District within 15 calendar days of test? Yes No

In the event of a failed test, were repairs made and a retest performed before equipment put back in service? Yes No N/A

Is a copy of all test data onsite? (If no, address in comments) Yes No N/A

Compliance issues addressed regarding contractor data since last inspection:
If no explain in comments. Yes No N/A

Description of compliance issues addressed _____

Date of last inspection: _____

Record review period: _____

Are the inspection, maintenance, flowrate, and throughput records being maintained per A/C or P/O conditions? Yes No

If no, explain _____

Is there a conspicuous posting of the operating instructions and ARB toll-free complaint telephone number (1-800-952-5588)? Yes No N/A

Comments: _____

Inspector's Signature: _____

Date of Report: _____

ATTACHMENT 1

CARB CERTIFIED EQUIPMENT* FOR USE WITH THE DRESSER/WAYNEVAC SYSTEMS

NOZZLES

OPW 12VW W/VEG
OPW 11VAI-XX w/VEG XX = 64, 69, 84, 89
Husky V34 6200 -4 w/VEG
Husky V34 6200 w/VSG
Husky V34 6250 w/ VSG
Emco Wheaton A4505 w/VG
Catlow ICVN w/ECD
Richards Astrovac w/ECD

ECD = Efficiency Compliance Device
VSG = Vapor Splash Guard
VG = Vapor Guard
VEG = Vapor Escape Guard

SPLASH GUARDS

Splash guards are optional, but if used they must be guards listed for use with the nozzle and shall be installed so they do not interfere with the operation of the VEG or VSG units.

INVERTED COAXIAL HOSES

Catlow Vapor Mate Dayco 7282 Superflex 2000
Dayco 7292 Superflex 4000 Goodyear Flexsteel
Dayco 7253 BVD Flex-ever Ultimate
Dayco 7246 Flex-ever Ultimate VST VST-CIS
GT Sales/Hewitt Superflex 2000
Thermoid Hi-Vac or Hi-Vac S VST VSTalflex

BREAKAWAYS W/VAPOR POPPET

Catlow AV2001 or AV200S, IVC 2005
Emco Wheaton A5219-001
Husky 4034, 5134
IVC 2005
OPW 66CIP or 66CAS, 66ISU-5100
Richards VA-50, VA-50B, or VA-60
VST-IS-SBK or VST-H-SBK

***California Health and Safety Code requires all components certified by the state to be clearly identified by a permanent identification of the manufacturer or re-builder.**

SWIVELS

Richards Industries MFVA OPW 43-IS
Husky 4605 Catlow IC3

BREAKAWAY/SWIVEL COMBINATION

Richards Industries STVA

BREAKAWAY/HOSE COMBO

VST-IS-BK

FLOW CONTROL UNITS

Catlow 110G-1A Healy 1301M
Healy 1302M Husky 5837
OPW 66FL OPW 66FD
Richards Industries FRVAD VST

BREAKAWAY/FLOW CONTROL COMBO

OPW 66FLB

DISPENSERS

Vista Series

VAPOR PUMP

Thomas Industries VR-0020/981014
Thomas Industries VR-0020/991110

PRESSURE/VACUUM VALVES

Any CARB certified valve with the settings 3" ± .5"
pressure/8" ± 2" vacuum
EBW Model 802-309, 802-308
Hazlett H-PVB-1 gold Label
Husky 4620, 4885
OPW 523LP, 523LPS, or 523V
Morrison Brothers 749CRB0600 AV

ATTACHMENT 1 - continued

NOZZLE PROBLEMS AND REQUIREMENTS

1. OPW 11VAI and Husky V34 6200-4

A Vapor Escape Guard (VEG) shall be installed on the OPW 11VAI and Husky V34 6200-4 nozzles at the base of the spout, as shown in Figure 1A-1 and 1A-2. Any OPW 11VAI or Husky V34 6200-4 nozzle with a VEG which is missing, or which is damaged such that at least one-eighth (1/8) of the circumference is missing, or which has cumulative damage equivalent to at least 1/8 of the circumference missing, is defective and shall be immediately removed from service.

1a. OPW 11VAI

Replacement OPW 11VAI nozzles, new or rebuilt, must include the stainless steel spout. Spout kits for the field repair of the 11VAI nozzle must include the stainless steel assembly. The conversion must include replacement of the spout adapter located inside the nozzle body. *(Note: Existing OPW 11VAI nozzles in the field which have not been replaced or repaired may use either a stainless steel or an aluminum spout.)* The aluminum spout has a total of 12 vapor recovery holes while the stainless steel spout has a total of 18 vapor recovery holes. Figure 1A-1 of EO G-70-153-AD shows a typical 11VAI nozzle.

1b. OPW 12VW

A Vapor Escape Guard (VEG) shall be installed on the OPW 12VW nozzle at the base of the spout, as shown in Figure 1A-8 of EO G-70-153-AD. Any OPW 12VW nozzle with a VEG which is missing, or which is damaged such that at least three-quarters (3/4) of the circumference is missing, or which has cumulative damage equivalent to at least 3/4 of the circumference missing, is defective and shall be immediately removed from service.

2. Husky V34 6200 and V34 6250

A Vapor Splash Guard (VSG) shall be installed on the Husky V34 6200 and V34 6250 nozzles at the base of the spout, as shown in Figures 2D-3 and 2D-4.

- Damaged or Missing VSG – Any Husky V34 6200 and V34 6250 nozzle with a VSG which is missing, or which is damaged such that at least a one and one-half (1.5) inch slit has developed, or which has cumulative damage equivalent to at least a 1.5 inch slit, is defective and shall be immediately removed from service.
- Holes in VSG – Any Husky V34 6200 and V34 6250 nozzle which is damaged such that greater than a three-eighth (3/8) inch hole has developed, or which has cumulative damage greater than a 3/8 inch hole, is defective and shall be immediately removed from service.
- Compression of VSG – Any Husky V34 6200 and V34 6250 nozzle, when properly latched into a vehicle fill pipe meeting the CARB standard, where the VSG flange portion does not make contact with or cover the entire fill pipe opening is defective and shall be immediately removed from service.

3. Emco Wheaton A4505

A Vapor Guard (VG) shall be installed on the Emco Wheaton A4505 nozzle at the base of the spout, as shown in Figure 1A-5. Any Emco Wheaton A4505 nozzle with a VG which is missing, or which is damaged such that at least one-eighth (1/8) of the circumference is missing, or which has cumulative damage equivalent to at least 1/8 of the circumference missing, is defective and shall be immediately removed from service.

4. Catlow ICVN and Richards Astrovac

An Efficiency Compliance Device (ECD) shall be installed on the Catlow ICVN nozzle and the Richards Astrovac nozzle at the base of the spout, as shown in Figures 1A-6 and 1A-7. Any Catlow ICVN or Richard Astrovac nozzle with an ECD which is damaged with a slit from the base to the rim, is defective and shall be immediately removed from service.

5. Additional nozzle problems and requirements

(List all nozzle defects and deficiencies in the comments section)

- a. OPW 11VAI nozzles with less than two (2) unobstructed vapor holes, OPW 12VW nozzles with all holes blocked.
- b. Husky nozzles less than two (2) unobstructed vapor holes (Husky V34 6250 uses a solid spout without collection holes)

- c. EW nozzles less than three (3) unobstructed vapor holes
- e. Catlow nozzles less than three (3) unobstructed vapor holes
- f. Richards Astrovac nozzles less than three (3) unobstructed vapor holes
- g. Nozzle liquid shutoff mechanisms which malfunction in any manner
- h. Nozzle spout plastic insert is loose or out-of-round
- i. Nozzle spout is loose
- j. Nozzle with defective vapor valve verified through GDF-01 or GDF-03 (**tag out all nozzles on the dispenser side**)
- k. Nozzles with a flowrate less than 5.0 gpm or over 10.0 gpm are defective.
- l. Any splash-guard that interferes with the operation of a vapor escape guard (VEG) or a vapor splashguard (VSG)

6. **HOSE REQUIREMENTS**

- a. Maximum length of the hose including breakaway and/or whiphose (pigtail) sections shall be fifteen (15) feet
- b. Length in contact with island and/or ground when the nozzle is properly mounted shall be limited to six (6) inches
- c. Breakaway couplings are optional, but if installed only those which closed the vapor path listed in Attachment 1 are authorized.