

# Inspection Checklist

## Coaxial/ 2-Point Phase I and Balance Phase II Vapor Recovery Systems

Month/Year:
Station Name:
Address:
Facility PTO #:

This form was designed for use at stations with Coaxial or 2-Point Phase I with Balance Phase II vapor recovery systems. Place a **Check** mark in each box where your inspection revealed no problems, and an **"X"** in each box where your

inspection turned up equipment defects or other issues requiring further action. **Record** descriptions of the noted defects and repairs on the Daily Repair Log. **Record** your initials at the bottom of the form after completing each day's inspection. **Keep** copies of work orders and/or equipment part receipts

related to the noted repairs with the Log. **Keep** these records accessible in the Operations & Maintenance Manual for inspection by the Air Pollution Control District for a period of at least two years.

### Day of the Month

(Use **TRAFFIC CONES** and **SAFETY VESTS**)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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### TANK AREA

1. Vent line PV valve(s) - <i>present, yellow sticker, no vapor shadows</i>																															
2. Spill containers - <i>clean and dry</i>																															
3. Spill container drains - <i>operative and closed, chain attached (if applicable)</i>																															
4. Vapor caps - <i>gaskets present &amp; tight, caps not missing, broken or loose</i>																															
5. Vapor adapters - <i>tight on riser, dry break poppet is not missing/damaged</i>																															
6. Fill caps - <i>gaskets present and tight, caps not missing broken or loose</i>																															
7. Fill adapters - <i>attached tightly to riser, inside gasket not missing or torn</i>																															
8. Fill tube (coaxial spring-loaded) - <i>present, round, spring not broken or sagging</i>																															
9. Coaxial gasket - <i>in place, sealing vapors</i>																															
10. Fill tube - (2-Point) <i>present, round</i>																															

### DISPENSER AREA

11. Air district decals - <i>legible operating instructions, correct complaint phone #</i>																															
12. Hoses - <i>CARB-approved, no kinks/tears/slits, LRD installed correctly</i>																															
13. Breakaways - <i>CARB-approved, no liquid stain/dust buildup</i>																															
14. Nozzles - <i>CARB-approved, has all clamps, swivels work smoothly, no leaks</i>																															
15. Nozzle hold-open latches - <i>present and operating correctly</i>																															
16. Nozzle bellows and faceplates - <i>tight on nozzle, no tears/slits, good seal</i>																															
17. Nozzle spouts - <i>not loose, not out-of-round, have latch devices</i>																															
18. Nozzle vapor valves - <i>no vapor shadows emitting from nozzle</i>																															
19. Hose Retractor - <i>present with a 10" or less hose loop unless LRD present</i>																															

### INSPECT AT LEAST ONCE PER WEEK

20. Drain vapor hose to remove excessive gasoline																															
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INSPECTOR'S INITIALS:



# Daily Inspection Checklist Protocol

## Coaxial/2-Point Phase I and Balance Phase II Vapor Recovery Systems Inspection Protocol Notes

1. Vent valves with yellow sticker must be present. Look for vapor shadows.
2. Spill containers must be free of water, gasoline, and debris.
3. Spill container drain must work properly to seal vapors and be closed tight.
4. Vapor caps must be in good repair, gaskets must be present and form a vapor-tight seal.
5. Vapor adapter base must be fastened tight on vapor riser. Check rotatable adaptors for proper rotation.
6. Fill caps must be in good repair, gaskets must be present and form a vapor-tight seal.
7. Fill adapter base must be fastened tight on fill riser. Check rotatable adaptors for proper rotation.
8. Coaxial spring-loaded fill tube must seal against the coaxial fitting, no sagging/broken springs. Fill tube must be round, free from deformities and extend to within 6 inches of the bottom of the tank. Check presence of overfill protection device, if required.
9. Coaxial gasket must be in good condition to seal vapors.
10. Fill tube must be round, no deformities and extend to within 6 inches of the bottom of the tank. Check presence of overfill protection device, if required.
11. Decals must convey fueling instructions, toxic risk, and correct toll free number (800-952-5588). All the information on the decals must be clearly visible to the fueling customer.
12. Coaxial hoses must be CARB certified, free of tears, leaks, kinks, or crimps and, if equipped with a liquid removal device (LRD), the end of the hose marked "nozzle end" shall be attached to the nozzle.
13. Breakaway connectors must be CARB certified. Build-up of "crud" may be a signal of a vapor leak. Clean and recheck.
14. Nozzles must be CARB certified for your system. Rebuilt nozzles are not allowed unless rebuilt by the manufacturer or a certified re-builder. Nozzle must have proper clamps, working insertion interlock, no drips, working swivel, and auto shutoff mechanisms.
15. Nozzle hold open latches must be operational, unless prohibited by the local fire department.
16. Nozzle bellows and faceplates must be free of tear/slits and be securely attached to the nozzles.
17. Nozzle spout must be secured tightly to nozzle. Pull back bellows to check for the spout-latching device. Use test ring to ensure the spouts are not out of round.
18. Nozzle vapor check valve installed at the base of the bellows should be properly attached by a wire or clamp around the bellow and should open and close when the bellow is compressed. Check for vapor shadows. Act on customer complaints.
19. Hose retractors (if applicable) must work as designed, preventing hose from looping more than 10 inches below the nozzle. Retractors may not be required for high hang hose configurations if a liquid removal device (LRD) is present.
20. Drain residual gasoline from the hose into a measuring cup/beaker at least once per week. If the hose contains more than 100 milliliters (1/2 cup) and is equipped with a liquid removal device (LRD), perform and successfully pass CARB liquid removal test procedure TP-201.6C before placing the nozzle back into service. If the hose passes the test, continue to monitor the hose for excessive gasoline buildup. If the hose fails the test or gasoline continues to build up in the hose, make the necessary repairs and retest if more than 100 ml found. If the hose is equipped with a retractor, verify that the hose has a maximum 10" loop below the nozzle and the hose drains into the vehicle fuel neck during refueling.