STATE OF CALIFORNIA

PETE WILSON, Governor

**AIR RESOURCES BOARD**
2020 L STREET
P.O. BOX 2815
SACRAMENTO, CA 95812

November 24, 1992

William J. Brown
Technical Liaison Manager
OPW Fueling Components
Post Office Box 405003
Cincinnati, OH 45240-5003

#92-28

Dear Mr. Brown:

Certification of OPW 523 Pressure/Vacuum Valve

You requested California Air Resources Board (CARB) certification of the OPW 523 pressure/vacuum (P/V) valves. These are designed to be installed on two or three inch vent pipes of flammable liquid storage tanks. The main body of the valve is made of molded Duratuff plastic and incorporates a molded plastic cap assembly. The cap assembly includes a fine mesh screen to prevent entry of foreign objects. Valves are affixed to storage tank vents either by internal thread or a "slip" design that is slipped over a vent pipe and secured. Sealing between the adapter and vent pipe is provided by an o-ring.

The valves are manufactured with a vacuum setting not to exceed 1/2 ounce, and a pressure setting of either 1 ounce or 8 ounces. The valve with the 8 ounce pressure setting may be used with Phase I (only) systems, or with Phase II systems for which the certification Executive Order specifies a P/V valve with an 8 ounce pressure and 1/2 ounce vacuum setting. This valve is supplied with a red label. The valve with the 1 ounce pressure setting may be used with Balance and Healy Phase II systems, and for any other Phase II system for which the certification Executive Order specifies a P/V valve with a 1 ounce pressure and 1/2 ounce vacuum setting. This valve is supplied with a silver and black label. The model numbers for these valves is as follows:

| Model | Pressure Setting | Base Adaptor | Label | System(s) |
|---|---|---|---|---|
| 523LP-2200 | 1 ounce | 2" female NPT | silver/black | Balance, Healy * |
| 523LP-3200 | 1 ounce | 3" female NPT | silver/black | Balance, Healy * |
| 523LPS-2250 | 1 ounce | 2" unthreaded | silver/black | Balance, Healy * |
| 523LPS-3250 | 1 ounce | 3" unthreaded | silver/black | Balance, Healy * |
| 523-1100 | 8 ounce | 2" female NPT | red | Phase I * |
| 523-3100 | 8 ounce | 3" female NPT | red | Phase I * |
| 523S-1150 | 8 ounce | 2" unthreaded | red | Phase I * |
| 523S-3150 | 8 ounce | 3" unthreaded | red | Phase I * |

* Other systems provided the pressure and vacuum settings conform with the Executive Order certification requirements for P/V valves for the system.

As required by the Air Resources Board certification procedures, you requested the approval of the Division of Occupational Safety and Health, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals have been obtained from these agencies.

I find that the OPW P/V valves will not adversely affect vapor recovery systems on which it may be installed. Therefore, the OPW 523 P/V valves listed above are certified for use with Board certified Phase I systems and, as specified above, with Phase II vapor recovery systems.

If you have any questions please call Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: All APCDs and AQMDs
Vapor Recovery Technical Committee Members
CAP Gasoline Marketing and Distribution Manual