Cal/EPA
California Environmental Protection Agency

Air Resources Board
P.O. Box 2815
2020 L Street
Sacramento, CA
95812-2815

Pete Wilson
Governor

James M. Strock
Secretary for Environmental Protection

July 15, 1996

Mr. Mike Lattner
Morrison Brothers Company
24th and Elm St.
P.O. Box 238
Dubuque, Iowa 52004-0238

#96-20

Dear Mr. Lattner:

Approval of the Morrison Brothers 749CRBS0500 AV Slip-On Pressure/Vacuum Vent Valve

On March 15, 1996, you requested California Air Resources Board (CARB) certification of the Morrison Brothers Company Model # 749CRBS0500 AV pressure/vacuum (p/v) vent relief valve. The 749CRBS0500 AV p/v vent valve is identical to the CARB approved Morrison Brothers 749CRB0500 AV p/v vent valve (Approval Letter # 95-14-A) except it is a slip-on unit instead of a thread-on design.

The Morrison 749CRBS0500 AV valve has a cracking pressure of 8 ounces (about 14 inches water column) and a cracking vacuum of 5 ounces (about 9 inches water column). It is designed for use on Phase I systems only (facilities which do not have Phase II Vapor Recovery Systems). The main body of the valve is made of machined clear coat anodized aluminum and incorporates a cap assembly. The cap assembly includes a fine mesh screen to prevent foreign object entry and an aluminum vapor deflector. The pressure and vacuum release is controlled by a spring and counterweight. The unit employs a slip-on design and three .31" machine Allen head set screws with pointed tips to secure the unit to the storage tank's vertical vent pipe. Sealing between the valve and vent pipe is provided by a buna-n seal. The 749CRBS0500 AV valve shall be installed in conformity with the manufacturer's instructions and all applicable codes. The California State Fire Marshal seal and certificate shall appear on an adhesive backed, non-fade label, separate from installation instructions, warnings and other similar information.

CARB requires the approval of the Division of Safety and Health, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. The necessary approvals for the Morrison 749CRB0500 AV unit have previously been obtained from these agencies.

Recycled Paper

I find that the use of the 749CRBS0500 AV unit, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Morrison Bothers Company Model 749CRBS0500 AV slip-on p/v vent relief valve is certified for use with Phase I gasoline vapor recovery systems only (facilities which do not have any Phase II Vapor recovery Systems) provided that it meets the specifications contained in the Executive Orders.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Mr. Jim Johnston, Chairman,
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager,
CARB Compliance Assistance Section