STATE OF CALIFORNIA

PETE WILSON, Governor

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

April 19, 1995

Mr. John J. Freund
Manager, Engineering and Quality
Morrison Brothers Company
Post Office Box 238
Dubuque, Iowa 52004-0238

#95-14-A

Dear Mr. Freund:

Approval of the Morrison Brothers 749CRB0500 AV Pressure Vacuum Vent Valve

Mr. Mike Lattner, Product Engineering Manager for the Morrison Brothers Company, requested California Air Resources Board (CARB) certification of the Morrison Brothers Company Model 749CRB0500 AV pressure/vacuum (p/v) vent relief valve on April 4, 1995. The 749CRB0500 AV p/v vent valve is identical to the CARB approved Morrison Brothers 749-0500AV p/v vent valve, except for the identification number. The 749-0500AV was approved on March 13, 1995, and is listed in Approval Letter #95-14. In his request letter, Mr. Lattner stated that Morrison Brothers would like to change the identification number on the p/v vent valve to further distinguish it from their non CARB approved vents. He also mentioned that nothing on the valve would change except for the identification number.

The Morrison 749CRB0500 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 any Phase II 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 entry of foreign objects and an aluminum vapor defector. The pressure and vacuum release is controlled by two springs. The unit employs a two inch 11.5 NPSM internal thread to secure the valve to the storage tank's vertical vent pipe. Sealing between the valve body and vent pipe is provided by a buna-n seal. The 749CRB0500 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 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 for

the Morrison 749-0500AV unit have previously been obtained from these agencies.

I find that the use of the 749CRB0500 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 Brothers Company Model 749CRB0500 AV p/v vent relief valve is certified for use with Phase I vapor recovery systems only (facilities which do not have any Phase II systems) provided that it meets the specifications contained in the Executive Orders. This letter supersedes and replaces Approval Letter #95-14.

Should you have any questions or need further assistance, please contact Mr. Basharat Iqbal at (916) 324-7343 or Ms. Laura Sullivan McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Mr. Kenneth Kunaniec, Chairman,
CAPCOA Vapor Recovery Committee

Mr. Gary Hunter, Manager,
CARB Compliance Assistance Section