STATE OF CALIFORNIA
PETE WILSON, Governor

AIR RESOURCES BOARD
1102 Q STREET
P.O. BOX 2815
SACRAMENTO, CA 95812

July 24, 1991

David J. Parrish
Engineering Manager
Emco Wheaton, Inc
4001 Weston Parkway
Cary, NC 27513

#91-11

Dear Mr. Parrish

Recertification of Emco Wheaton A4110 and A4113 Elbow Swivels

The Emco Wheaton A4110 and A4113 elbow swivels have been modified to meet the requirements of revised Underwriters Laboratories (UL) test procedures. These modified swivels have now met the requirements for California Air Resources Board (CARB) certification. Our examination of the subject swivels indicated that their operation and durability are satisfactory. Please note that those model A4110 and A4113 swivels which were manufactured before the effective date of the new UL requirement will retain CARB certification.

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

I find that the substitution of the modified A4110 and A4113 swivels for the previously approved swivels will not adversely affect the performance of gasoline vapor recovery systems. Therefore, the newly modified swivel elbows are approved for use with Phase II gasoline vapor recovery systems in California. Any restrictions which applied to use of the previous swivels will also apply to the new swivels.

If you have any questions, please call Laura McKinney, Associate Air Pollution Specialist, at (916) 327-1525 or Darrell Hawkins, Associate Air Resources Engineer, at (916) 324-7343.

Sincerely,

James J. Morgester, Chief
Compliance Division

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