STATE OF CALIFORNIA

PETE WILSON, Governor

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

April 27, 1995

Mr. Skip Orr
District Manager
Emco Wheaton Incorporated
7178 Canelo Hills Drive
Citrus Heights, California 95610

#95-24

Dear Mr. Orr:

Approval of the Emco Wheaton A5219-001 Inverted Coaxial Breakaway

Mr. Thomas A. Hanna, Design Engineer for Catlow Incorporated, requested California Air Resources Board (CARB) certification of the Emco Wheaton Incorporated Model A5219-001 inverted coaxial breakaway coupling on February 24, 1995. The A5219-001 breakaway is manufactured by Catlow Incorporated as the Catlow Model AVR200S inverted coaxial breakaway coupling, and was approved by CARB on March 24, 1995. It is listed in Approval Letter #94-18.

The Model AVR200S breakaway is intended for use with gasoline dispensing devices having vapor recovery capabilities. It is used between two hose assemblies to safeguard against excessive pull forces on the hose assembly and dispenser. It has the ability to reconnect after separation without the use of a repair kit. It also has an internal vapor check valve which closes the vapor path of the unit in the event of separation. The unit consists of an outer fluid carrying assembly and an inner vapor carrying assembly, each with an internal check valve. The outer diameter of the fluid carrying assembly is defined by a male and female spud, while the inner diameter is defined by male and female poppets. The male and female spuds are coupled together by a stainless steel latching spring. When the fitting and connecting hose assembly are subject to a predetermined pull force, not exceeding 300 pounds, the male plug separates from the female body, removing the force on the hose assembly and dispenser. When this occurs, the check valves prevent the escape of liquid and vapor from the hose line.

The A5219-001 breakaway is intended for use with gasoline dispensing devices having vapor recovery capabilities and working pressures not exceeding 50 pounds per square inch. The breakaway shall be installed in conformity with the manufacturer's instructions and all applicable codes and ordinances. The breakaway shall be installed on an inverted coaxial hose assembly, between the dispenser and the nozzle. As required by the California State Fire Marshal (CSFM), the listee's name, model number,

Underwriters Laboratory (UL) mark, maximum separation force and the words "METRIC THREAD" or "M34 THREADS" shall be provided on the coupling body.

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 Catlow AVR200S breakaway have previously been obtained from these agencies.

Based on the fact that the Emco Wheaton A5219-001 inverted coaxial breakaway is the same breakaway which was certified as the Catlow AVR200S, I find that its use, when installed in accordance with the manufacturer's instructions, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Emco Wheaton Model A5219-001 inverted coaxial breakaway coupling is certified for use with the following Phase II vapor recovery systems:

Phase II System	Current Executive Order
Hasstech VCP 2/2A	G-70-7-AD
Hasstech VCP 3A	G-70-164
Gilbarco VaporVac	G-70-150-AB
Dresser Wayne WayneVac	G-70-153-AA
Tokheim MaxVac	G-70-154

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

Mr. Thomas A. Hanna,
Catlow Incorporated