STATE OF CALIFORNIA

PETE WILSON, Governor

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

July 7, 1993

William J. Brown
Technical Liaison Manager
OPW Fueling Components
P.O. Box 405003
Cincinnati, Ohio 45240-5003

#93-14

Dear Mr. Brown:

Certification of Catlow VM-1 Bellowless Nozzle

You have requested Air Resources Board certification of the Catlow VM-1 bellowless vapor assist nozzle. The Catlow VM-1 nozzle is manufactured by OPW as the 11-VAA model, and was certified by the Air Resources Board on March 10, 1993.

The Air Resources Board requires the approval of the Division of Occupational Health and Safety, the Office of the State Fire Marshal and the Department of Food and Agriculture, Division of Measurement Standards. Confirmation was received that the OPW 11-VAA bellowless vapor assist nozzle was acceptable and that there was no objection to the certification of this equipment.

Based on the fact that the Catlow VM-1 is the same nozzle which was certified as the OPW 11-VAA nozzle, I find that the use of the Catlow VM-1 nozzle will not adversely affect the performance of the Amoco V-1 system (Executive Order #G-70-118-AA). Therefore, the Catlow VM-1 bellowless vapor assists nozzle is approved for use with Amoco V-1 system (Executive Order #G-70-118-AA).

If you have any questions, please contact Christine McKenzie at (916) 324-7658 or Laura McKinney at (916) 327-1525.

Sincerely,

James J. Morgester, Chief
Compliance Division

cc: Vapor Recovery Technical Committee