



**Winston H. Hickox**  
Secretary for  
Environmental  
Protection

# Air Resources Board

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**Alan C. Lloyd, Ph.D.**  
Chairman

2020 L Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov



**Gray Davis**  
Governor

June 8, 1999

Eric Butterfield  
Senior Design Engineer  
Catlow Inc.  
2750 U.S. Route 40  
Tipp City, Ohio 45371

99-7

Dear Mr. Butterfield:

## Catlow Model 200BI-1 Inverted Hose / Standard Hose Converter

You requested California Air Resources Board (CARB) certification of the Catlow Model 200BI-1 Inverted Hose/ Standard Hose Converter for vapor recovery systems. This component converts a dispenser outlet connection from a standard coaxial type to an inverted M34 coaxial connection.

The Catlow Model 200BI-1 Inverted Hose / Standard Hose Converter consists of a fluid passage and a vapor passage. The fluid and vapor passages are made from an aluminum casting. The casting is machined to provide a male thread and stub as required by the standard co-axial hose and also a female thread and socket as required for the inverted co-axial hose. The casting is fitted with an o-ring on the standard hose thread end. This converter is for use with gasoline dispensing devices having vapor recovery capabilities and working pressure not to exceed 50 psi.

As required by the Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approvals of the three State agencies are a precondition to certification by the Air Resources Board. The appropriate letters of approval have been received and are listed as follows:

Department of Food and Agriculture,  
Division of Measurement Standards  
March 12, 1998

Department of Occupational Safety and Health  
October 7, 1998

Department of Forestry and Fire Protection  
Office of the State Fire Marshal  
January 5, 1999 GVRC 005:030:019

I find that the use of the Catlow Model 200BI-1 Inverted Hose / Standard Hose Converter, 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 Catlow Model 200BI-1 Inverted Hose / Standard Hose Converter is certified for use with CARB certified Phase II vapor recovery.

If you have any questions or wish to discuss this matter further, please call Joe Guerrero at (916) 324-7343 or Laura McKinney at (916) 327-1525.

Sincerely,

**INTERNET VERSION**

James J. Morgester, Chief  
Compliance Division

cc:

Mr. Jim Johnston, Chairman,  
CAPCOA Vapor Recovery Committee  
Monterey Bay Unified APCD  
24580 Silver Cloud CT.  
Monterey, CA 93940-6536