



## State of West Virginia

WV Office of Miners' Health, Safety & Training  
Eugene White, Director  
#7 Players Club Drive, Suite 2 • Charleston, West Virginia • 25311  
Telephone 304-558-1425 • Fax 304-558-1282  
[www.wvminesafety.org](http://www.wvminesafety.org)

**TO:** Underground Diesel equipment manufacturers and mining industry  
**FROM:** Randy Bell, Chief Diesel Inspector *RB*  
**RE:** Air Flow Systems Diesel Oxidation Catalyst (DOC)  
**DATE:** November 6, 2019

---

It has come to my attention that there are questions regarding the use of the Air Flow Systems (DOC) being used in conjunction with the Dry Systems Technologies (DST) exhaust system instead of the DST (DOC).

56-23-5.4.2. of the West Virginia Underground Diesel Regulations states that an underground diesel machine must be provided with "An oxidation catalyst or other gaseous emissions control device capable of reducing undiluted carbon monoxide emissions to 100 ppm or less under all conditions of operation at normal engine operating temperature range".

After reviewing the above mentioned regulation, test data performed on the Air Flow (DOC) in the DST system, approval data and approval letter from the State of Pennsylvania for the Air Flow (DOC) the Director has determined that the regulation does not refer to which device must be provide for the exhaust system to reduce the undiluted carbon monoxide. The Air Flow (DOC) may be used in the DST exhaust system to dilute the carbon monoxide.

In conclusion, it is the mission of the West Virginia Office of Miners' Health, Safety and Training to provide proper emissions control devices for the health and safety of the underground miners of this State.

Thank You,  
Randy Bell, Chief Diesel Inspector  
State of West Virginia