

U.S. Department of Labor

Mine Safety and Health Administration
Industrial Park Road
RR 1, Box 251
Triadelphia, West Virginia 26059



December 12, 1998

J.H. Fletcher & Company
Attention: Mr. Arvin Canady
P.O. Box 2187
Huntington, West Virginia 25722-2187

Gentlemen:

This letter is in response to your request to modify the vacuum relief valve setting from 15 inches of mercury to 12 inches of mercury when the Dresser Industries model 2504DVJ roots blower is used in your dust collection systems.

A technical evaluation of this request was conducted using the blower performance curves in our files and comparing the results with the requested vacuum relief valve setting of 12 inches of mercury. The approval documentation currently states that this blower is operating at 3,000 rpm and 15 inches of mercury with an airflow of 60 CFM. On the same blower curve at 12 inches of mercury the airflow is 68 cfm. The Dresser Industries model 2504DVJ roots blower with a vacuum relief valve setting of 12 inches of mercury will still function properly to meet all the requirements as specified in Part 33 of Title 30 Code of Federal Regulations.

The request is granted to allow the J.H. Fletcher and Company to lower the vacuum relief valve setting to 12 inches of mercury when using the model 2504DVJ on their approved dust collection systems.

Sincerely,

A handwritten signature in cursive script, reading "Steven J. Luzik", is written over the signature line.

Steven J. Luzik
Chief, Approval and Certification Center