

February 14, 2017

Mr. Stephen M. Kancel
MSA Corporate Center
1000 Cranberry Woods Dr.
Cranberry Township, PA 16066

Re: **ITEM:** Portable Gas Detector
MODEL NO.: Altair 5 X MSHA Detector; **SERIAL NO.:** n/a; **VOLTAGE:** n/a; **HP:** n/a
APSID NO.: 930845
APPROVAL NO. BFE 8-17

Dear Mr. Kancel:

We have completed our evaluation of the equipment noted above, and approve its use in the bituminous underground coal mines of Pennsylvania. The information received will be filed. The equipment meets the legal requirements of the *Pennsylvania Bituminous Coal Mine Act*.

Pennsylvania approval number **BFE 8-17** has been assigned to the equipment. This number must appear conspicuously on the outside of the subject equipment on a 2" x 4" rust-resistant metal plate, or any other Bureau acceptable material. The approval plate should read "Commonwealth of Pennsylvania" and "Approval No. **BFE 8-17**". The plate and lettering should be resistant to removal by abrasion.

If you want to make changes or alterations on this equipment, a written request outlining the proposed changes, together with any related prints or drawings, must be submitted to this office for approval. If you have any questions, please Jeff Kerch, Program Manager, at 724.404.3140.

Sincerely,



Coivin C. Carson
Director