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June 4, 2008

American Telecommunications Certification Body, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Subject: Limited Modular Approval Request

FCC ID: P9R-10078565

Dear Application Examiner,

Mine Safety Appliances Company, Radio Frequency Identification (RFID) Module board, FCC ID: P9R-10078565, would like to have your authorization as a limited modular approval. The requirements of Public Notice DA00-1407 have been met and shown on the following statements.

1. "The modular transmitter must have its own RF shielding." The radio portion of this module has not been shielded, please see exhibition External Photo.
2. "The modular transmitter must have buffered modulation/data inputs." The RFID module board contains buffered data inputs; it is integrated in Texas Instruments TRF7961.
3. "The modular transmitter must have its own power supply regulation." The RFID module board contains a regulator in the DC input port, Texas Instruments TPS79933.
4. "The modular transmitter must comply with the antenna requirements of section 15.203 and 15.204(C)." The RFID module board meets the FCC antenna requirements. The spurious emission, unique antenna connector and photo of antennas are shown in the application exhibits. The antenna is integrated into the PCB artwork.
5. "The modular transmitter must be tested in different devices" The RFID module board was tested in two configurations; in the MSA M7 Firehawk® Control module and the MSA Firehawk® M7 Reader/ID Tag Writer. Please see exhibit "Test Setup Photos". We understand that the module will have to be retested before it may be used in any other configuration.
6. "The modular transmitter must be labeled with its own FCC ID number." Please see exhibit "FCC Label" for the FCC ID of this module. (Attached)
7. "The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements." The RFID module board is compliant with all applicable FCC rules. The RFID module board will only be used in products designed and manufactured by MSA and will not be sold for use by other equipment manufacturers. The RFID module shall only be installed in equipment designed and manufactured by MSA and tested for compliance with all

applicable FCC rules. The RFID Module is installed in the Control module or the Tag Writer Interface by mating the 8-pin power / data connector to the female header on the host board. The module is then secured to the host board using three #2-56 mounting screws. Detail instructions for maintaining compliance are given in the Users Manual.

8. "The modular transmitter must comply with any applicable RF exposure requirements." The EUT is compliant with all applicable RF exposure requirements. RF Exposure is addressed in the exhibit "MPE Data". Please contact me if you have any further questions.



Gregory Imblum
Principal Engineer
Mine Safety Appliances Company

Thank you for your attention in this matter.



FCC Label

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