

# Ventilation Plan MMU 004-1

The Mine is ventilated by a positive pressure (blowing) fan. Entry #1 is intake. Entry #2 is Neutral. Entry #3 is Return. Face ventilation for the 004-1 section is achieved by use of an Auxiliary Fans and vent tubes installed to the faces during normal mining cycles. When bolting, tubes or curtains are to be installed to within 15 feet of the last row of support or the tram operator's compartment on the roof bolter. Line curtains will be installed to ventilate the faces during idle times or when the section is unattended. Vent tubes or Line curtain shall be installed within 5 feet of the face where roof is supported or within 5 feet of the last row of permanent roof support. Water spray pressure on the miner shall not be less than 120 psi. Ninety percent of all water sprays must be operational when cutting coal or grading. Feeder/Breaker spray pressure shall not be less than 80 psi and all water sprays shall be operational when coal or muck is being loaded.

Section Intake Air Quantity	65,000 cfm Minimum
Air Quantity Over Joy Mining Machine	4,000 cfm
Air Quantity in the Belt Entry	50 fpm
Air Quantity Over Fletcher Bolter	4,000 cfm
Air Quantity in the Last Open Crosscut	15,000 cfm Minimum