

when required by regulation, reversible at the will of the operator, which shall not be located directly over the entrance to a shaft, the air passage from which into the mine shall be strongly built and kept tight, and which shall be provided with a self-registering pressure gauge, the record whereof, duly dated, shall be accessibly filed at the mine office and there preserved for one year for reference. Such fan shall be kept continuously in operation while the mine is working, and during such further periods as the Bureau may prescribe, unless written permission to stop such fan shall be given by the district mine inspector; and before stopping such fan after such permission given, notice thereof shall be given every employee of the hours during which stoppage is intended to continue, and work shall not be resumed until such fan has run two hours continuously. Provided, that should it at any time become emergently necessary to stop the fan because of mechanical failure or other unavoidable cause, it shall first be the duty of the mine foreman to provide for the safety of persons within such mine, either by removing them or by furnishing temporary ventilation; but no ventilating furnace shall be employed in such temporary emergency in a gaseous mine. No principal fan shall be placed inside any mine; nor shall an auxiliary fan be placed in any mine except under regulation of the Bureau.

SEC. 103. The operator shall, by the mine foreman or other competent person, at least once every week in non-gaseous mines, and daily or as required by the district mine inspector, in gaseous mines, when the men are working, measure the air current with a correct anemometer at or near the main intake and outlet, and also in the last cut-through in the last room and in the entry beyond the last room turned in each entry; and the air traveling through pillars being drawn; and enter in a book kept for that purpose a true report of all such air measurements, designating the place, the area of each cut-through and entry separately, the velocity of the air in each cut-through and entry and the number of men employed in each separate split or district at the time the measurement was taken, with the date; signed by the person taking the same; which record shall be kept in the office at the mine, open to examination by the Bureau or by any person employed in such mine. Once each month a report of the air pressure average as shown by the pressure gauge upon the ventilating fan, the daily air pressure during the principal shift, the air pressure by districts and number of men and animals working