

Agrichemical Warehousing Standard Association
WAREHOUSING STANDARDS BULLETIN

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**AIR CHANGES PER HOUR
VENTILATION**

- Q. Is there an alternative process to meet audit protocol No. B19 if I am unable to achieve a minimum of 2 air changes per hour?
- A. Yes. The intent of this protocol is to provide a minimum level of safety for employees continuously working in the certified warehouse area and to ensure there is no build-up of explosive or toxic vapours.

This revised Technical Bulletin #13 addresses Audit Protocols B19 and B20 from a "performance" criteria as follows:

- 1) The air within the certified warehouse area must be monitored and analyzed by a professional Registered Occupational Hygienist (ROH) to determine if existing ventilation is adequate under different operating conditions.
- 2) The ROH will consider the acute and chronic health effects of potential contaminants when selecting marker substances.
- 3) The results of air monitoring must meet the American Conference of Governmental Industrial Hygienists (ACGIH) Standards (latest edition) or provincial standards if more stringent.
- 4) Risk level assessments must include TLV-TWA (Threshold Limit Values - Time-Weighted Average) values where applicable.
- 5) The air monitoring Protocol is subject to a yearly review, in addition to a review when operating conditions change to any significant extent.
- 6) The air monitoring Protocol must include measures to deal with "spills" response.
- 7) The above Protocol items are applicable in those facilities where there is no dispensing of product. If dispensing of flammable and/or combustible liquids occur, then mechanical ventilation is required.

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