

2018 CANADIAN ELECTRICAL CODE

SUBJECT: Section 22-Locations in which corrosive liquids or vapours or excessive moisture are likely to be present

Rule 22-204 Wiring methods in buildings housing livestock and poultry

Subrule (3) of this rule permits the use of wiring selected in accordance with Rule 12-102 (3) for damp locations (i.e., Non-metallic sheathed cable – NMD90) when the livestock or poultry building is provided with adequate ventilation. The Appendix B note to this rule suggests that *“additional information on the ventilation of buildings housing livestock and poultry can be found in the National Farm Building Code”*.

Research into the National Farm Building Code¹ finds that it only addresses ventilation requirements for silos, where three air changes per hour are prescribed. The CE Code Handbook further describes adequate ventilation as “some form of dehumidification or at least three air changes per hour”.

Since the term “adequate” is subjective, a safety codes officer may wish to question whether the building has adequate ventilation to justify the wiring method used. In these cases, the safety codes officer may request the owner provide evidence to indicate there is adequate ventilation.

¹ The National Farm Building Code is available for download from the National Research Council Canada Virtual Store at:

https://www.nrc-cnrc.gc.ca/eng/publications/codes_centre/1995_national_farm_building_code.html

Issue of this STANDATA is authorized by
the Provincial Electrical Administrator

[Original Signed]

Clarence C. Cormier, P.Eng.



Alberta
Government