Appendix C

Iowa Administrative Code 567 Chapter 32

ANIMAL FEEDING OPERATIONS FIELD STUDY

567—32.1(455B) Animal feeding operations field study.
The department shall conduct a field study to measure the levels of hydrogen sulfide, ammonia and odor near animal feeding operations as defined in 567—65.1(455B).

567—32.2(455B) Definitions.
For the purposes of this chapter, the following terms shall have the meaning indicated in this rule.
"Health effects standard" means the level of an airborne pollutant required to trigger plans and programs to abate emissions of airborne pollutants.
"Health effects value" means the level of an airborne pollutant commonly known to cause a material and verifiable adverse health effect.
"Separated location" means a location or object from which a separation distance is required under Iowa Code sections 455B.134, 459.202 or 459.204, other than a public thoroughfare.

567—32.3(455B) Exceedance of the health effects value (HEV) for hydrogen sulfide.
The health effects value for hydrogen sulfide is exceeded at a monitoring site when the one-hour average concentration exceeds 30 ppb.

567—32.4(455B) Exceedance of the health effects standard (HES) for hydrogen sulfide.
The health effects standard for hydrogen sulfide is exceeded at a monitoring site when the daily maximum one-hour average concentration exceeds 30 ppb more than seven times per year. The department shall develop plans and programs to abate hydrogen sulfide emissions from animal feeding operations if hydrogen sulfide levels measured at a separated location exceed the health effects standard for hydrogen sulfide.

567—32.5(455B) Iowa Air Sampling Manual.
Monitor siting requirements, data handling procedures, approved monitoring methods and equipment, quality assurance requirements, and requirements for public availability of the data for determining compliance with the HEV or HES for hydrogen sulfide shall be in accordance with the Iowa Air Sampling Manual* adopted by the commission on July 19, 2004, and adopted by reference herein.

These rules are intended to implement Iowa Code sections 459.207 and 455B.133.
*Available from the department.

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