APPENDIX B

Environmental Stewardship Assessment: Air Quality and Community Siting

Purpose:

Do you have neighbors in your community who are likely to experience odors from your animal-feeding operation? Do other land application sites present lower odor risk to neighbors? This map will provide a general picture of the rural community in which your livestock operation is located and begin to answer these and other questions. This tool can help you review the relevance of air quality issues within your community.

On the following map, identify the location of the facilities and topographical features that influence air quality concerns for your neighbors (can be sources other than yours).

General

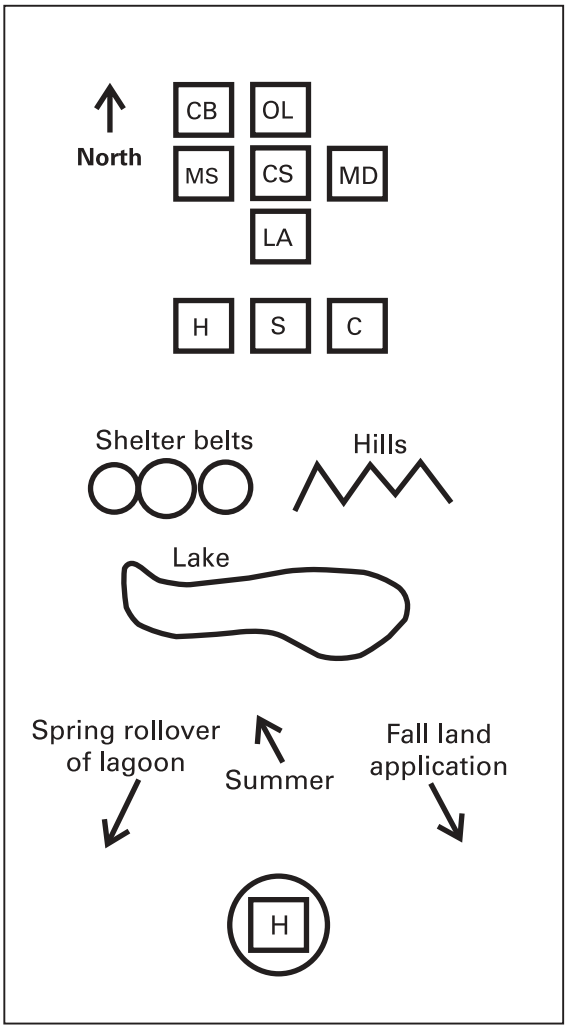
1. Indicate "North" on map.
2. Identify location of all livestock facilities on site including
   - Confinement barn (CB) and open lots (OL) (near center of grid)
   - Manure storage (MS), compost sites (CS) , mortality disposal (MD) sites
   - Land application (LA), etc.
3. Identify location of all neighbors within 2 miles of livestock facilities including homes (H), schools (S), churches (C), etc.

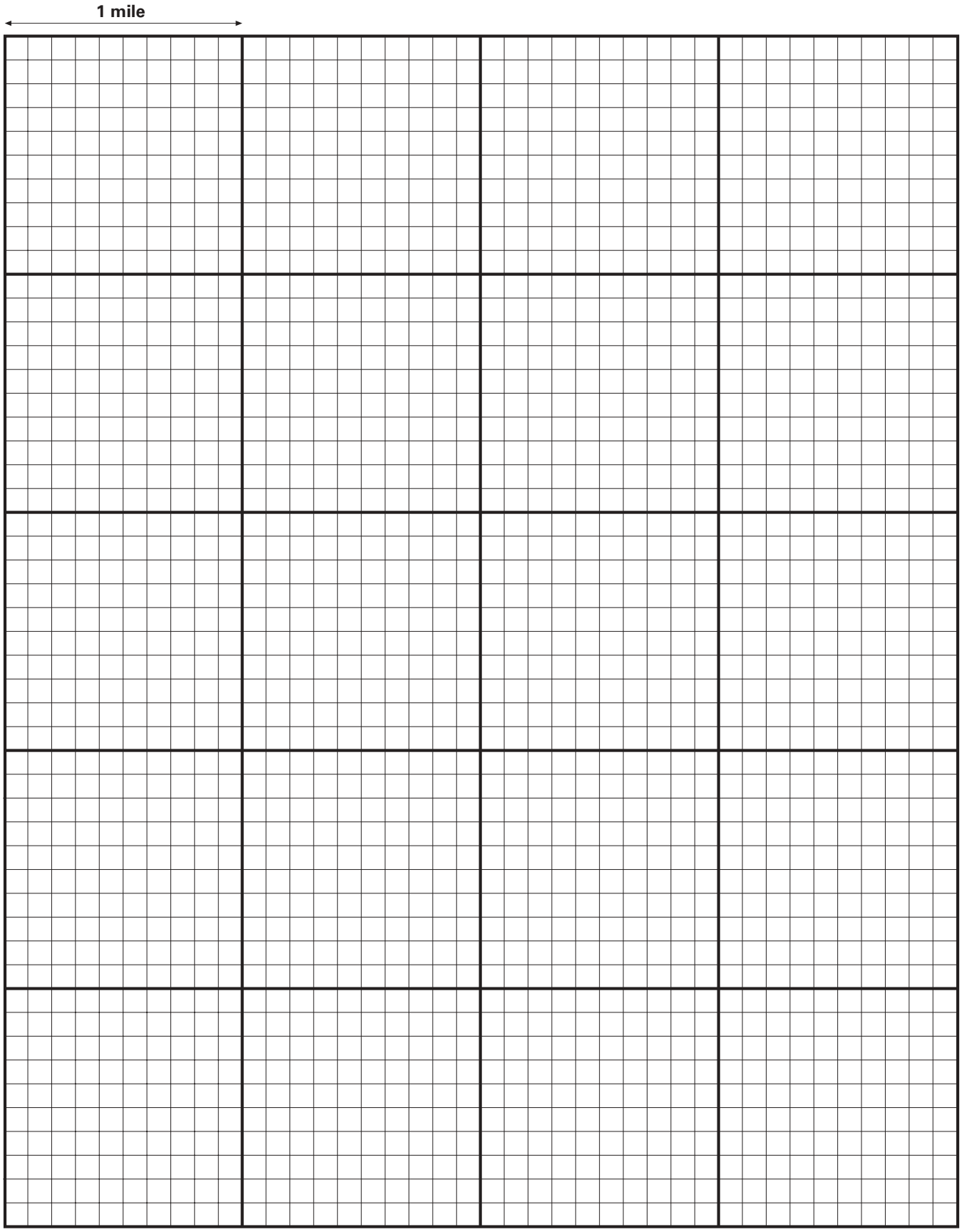
Air Quality

1. Mark location of shelterbelts, hills, or other sudden changes in typography that encourage dissipation or alter dispersion of odor.
2. Shade any low-lying areas, particularly those areas that are lower in elevation than the facilities or land application sites that may be a source of odor.
3. Draw arrows to indicate the dominant wind direction for periods of greatest odor concerns:
   (a) Time of year of greatest concern (e.g., summer)
   (b) Time(s) of year manure is land applied
   (c) Early spring (if anaerobic lagoon is part of operation)

High-Risk Neighbors

1. Circle any homes or public facilities that are at greater risk due to
   - Location at an elevation below odor source.
   - Location downwind of odor source based upon prevailing winds.
   - New neighbors in your local community.
   - Neighbor having limited familiarity/involvement with agricultural production.
   - Neighbor having history of asthma or other respiratory illnesses.

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