

# Consider These Points When Selecting A Site

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Local municipalities should contact their state association for direction in developing appropriate local restrictions.

## Prevailing wind

Determine the prevailing wind direction to help in identifying which, if any, neighboring areas are likely to be affected by the production facility.

The most critical wind direction is that observed during warm weather when neighbors have windows open in their homes, hang laundry outside, and participate in outdoor activities. Most landowners will know the prevailing wind direction during the summer months. Generally, these winds will be northwesterly or southwesterly.

Note that the location of the animal housing facility and manure storage, as well as the direction of exhaust fans/vents,

must be carefully considered. These parts of the facility may produce odor and other gaseous emissions continuously, so their location is more important than the location of fields that will occasionally receive manure.

For operations that propose to apply manure throughout the summer months, the selection of application fields as well as manure handling and application techniques are also critical factors in assessing the impact from the operation.

## Topography

Odor plumes traveling across flat terrain will undergo less turbulence and dilution compared to that of hilly countryside. The topography ("lay of the land") also determines the path of odors during thermal inversion (see below).

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