

**567—49.6(455B) Location of wells.** Wells shall be located with consideration given to the lot size, contour, porosity and absorbency of the soil, local groundwater conditions, flooding, and other factors necessary to implement the rules. The lack of specific distances to other possible sources of contamination, such as refuse disposal sites and high-pressure gas lines, does not minimize their potential hazard. These must be evaluated in each particular situation and a distance arrived at that is based on pertinent facts. The well contractor shall consult the administrative authority for assistance in determining a proper distance in such cases.

**49.6(1) Minimum distances.** The following minimum lateral distances shall apply for the common sources of contamination listed in the following table.

Table 49.6(1) Minimum Lateral Distances

Sources of Contamination	Minimum Lateral Distance (feet)	
	Shallow Well	Deep Well
Formed manure storage structure, confinement building, feedlot solids settling facility, open feedlot	200	100
Public water supply well	400	200
		<u>All Wells</u>
Earthen manure storage basin, runoff control basins and anaerobic lagoons (see subrule 49.6(2) below)		1000
Domestic wastewater lagoon		400
Sanitary landfills		1000
Preparation or storage area for spray materials, commercial fertilizers or chemicals that may result in groundwater contamination		100
Drainage wells		1000
Conforming wells		10
Nonconforming wells		100
Soil absorption field, any sewage treatment system with an open discharge, pit privy or septic tank discharge line (not conforming to 567—Chapter 69)		100
Septic tank, concrete vault privy, sewer of tightly joined tile or equivalent material, sewer-connected foundation drain, or sewers under pressure		50
Sewer of cast iron with leaded or mechanical joints, sewer of plastic pipe with glued or compression joints, independent clear water drains, cisterns, well pits, or pump house floor drains		10
Hydrants		10
Property lines (unless a mutual easement is signed and recorded by both parties)		4
Liquid hydrocarbon storage tanks		100
Ditches, streams, ponds, or lakes		25
Frost pit		10

**49.6(2) Exception to minimum lateral distances.** The minimum separation distance between a well and an anaerobic lagoon, earthen manure slurry storage basin, earthen manure storage basin, or runoff control basin shall be 400 feet if the lagoon or basin was permitted by the department after January 1, 1989, or if the applicant demonstrates through percolation testing that the seepage loss through the lagoon or basin does not exceed 1/16 inch per day (0.0625 inch/day). The percolation test shall meet the requirements of ASTM-1587 and 567—subrule 65.15(11).

**49.6(3) *Frost pits.*** Wells are not permitted to be located within frost pits. Frost pits that do not contain wells are permitted for the purpose of housing pressure tanks and valves, for example, provided the frost pits are not located closer than ten feet from any well.

**49.6(4) *Relation to buildings.*** The well shall be located so that no building interferes with reasonable access for cleaning, treatment, repair, testing, inspection and other maintenance. Wells shall not be located in basements.

**49.6(5) *Easements.*** No well shall be located on a property not owned by the well owner unless an easement allowing such placement is reviewed and approved by the administrative authority and the easement is legally recorded.