

**15A NCAC 02C .0107 STANDARDS OF CONSTRUCTION: WATER-SUPPLY WELLS**

(a) Location.

(1) The well shall not be located in an area generally subject to flooding. Areas which have a propensity for flooding include those with concave slope, alluvial or colluvial soils, gullies, depressions, and drainage ways;

(2) The minimum horizontal separation between a well, intended for a single-family residence or other non-public water system, and potential sources of groundwater contamination, which exists at the time the well is constructed, shall be as follows unless otherwise specified:

- (A) Septic tank and drainfield . . . . . 100 ft.
  - (B) Other subsurface ground absorption waste disposal system . . . . . 100 ft.
  - (C) Industrial or municipal sludge-spreading or wastewater-irrigation sites . . . . . 100 ft.
  - (D) Water-tight sewage or liquid-waste collection or transfer facility . . . . . 50 ft.
  - (E) Other sewage and liquid-waste collection or transfer facility . . . . . 100 ft.
  - (F) Cesspools and privies . . . . . 100 ft.
  - (G) Animal feedlots or manure piles . . . . . 100 ft.
  - (H) Fertilizer, pesticide, herbicide or other chemical storage areas . . . . . 100 ft.
  - (I) Non-hazardous waste storage, treatment or disposal lagoons . . . . . 100 ft.
  - (J) Sanitary landfills . . . . . 500 ft.
  - (K) Other non-hazardous solid waste landfills, such as Land Clearing and Inert Debris (LCID) landfills . . . . . 100 ft.
  - (L) Animal barns . . . . . 100 ft.
  - (M) Building foundations, excluding the foundation of a structure housing the well head . . . . . 25 ft.
  - (N) Surface water bodies which act as sources of groundwater recharge, such as ponds, lakes and reservoirs . . . . . 50 ft.
  - (O) All other surface water bodies, such as brooks, creeks, streams, rivers, sounds, bays and tidal estuaries . . . . . 25 ft.
  - (P) Chemical or petroleum fuel underground storage tanks regulated under 15A NCAC 02N:
    - (i) with secondary containment . . . . . 50 ft.
    - (ii) without secondary containment . . . . . 100 ft.
  - (Q) Above ground or underground storage tanks which contain petroleum fuels used for heating equipment, boilers or furnaces . . . . . 50 ft.
  - (R) All other potential sources of groundwater contamination . . . . . 50 ft.
- (3) For a well serving a single-family dwelling where lot size or other fixed conditions preclude the separation distances specified in Subparagraph (a)(2) of this Rule, the required horizontal separation distances shall be the maximum possible but shall in no case be less than the following:
- (A) Septic tank and drainfield . . . . . 50 ft.
  - (B) Water-tight sewage or liquid-waste collection or transfer facility . . . . . 25 ft.
  - (C) Animal barns . . . . . 50 ft.
  - (D) Cesspool or privies . . . . . 50 ft.