**Section 920.Table C Minimal Lateral Distances in Feet Between Water Wells, Closed-Loop Wells, and Sources of Contamination**

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| **SOURCES OF CONTAMINATION**  **OR EXISTING WATER WELL** | **MINIMUM LATERAL DISTANCES FOR CLAY AND LOAM SOILS (FEET)** | |
| **WATER WELL** | **CLOSED LOOP WELL** |
| Cesspool | 150 | 150 |
| Closed Loop Well1 | 200 | NA |
| Water Well1 | NA | 200 |
| Water Well (when the owner of the closed loop well and a water well serving a private water supply is the same)1 | N/A | 75 |
| Leaching Pit | 100 | 100 |
| Pit Privy | 75 | 75 |
| Subsurface Seepage System, Distribution Box, Sand Filter, Waste Stabilization Pond, Effluent Receiving Trench | 75 | 75 |
| Manure Pile | 75 | 75 |
| Septic Tank, Aerobic Treatment Plant, Surface Discharge Effluent Line, Treated Effluent Discharge Point | 50 | 50 |
| Barnyard or Animal Confinement Lot | 50 | 50 |
| Footing Drains (No connection to a sewer or sump handling sewage is allowed.) | 10 | 102 |
| Pump House Floor Drain | 2 | 22 |
| Pit, Crawl Space or Basement | 5 | 52 |
| Lake, Pond or Stream | 25 | 253 |
| Potential Primary Source, Potential Secondary Source, or Potential Route | 200 | 200 |
| Potential Primary Source, Potential Secondary Source, or Potential Route (when the owner of the source or route and a water well serving a private water supply or closed loop well is the same) | 75 | 75 |
| Abandoned Wells | 200 | 200 |
| Sewers (Sanitary or Combined) | 504 | 504,5 |
| Storm Sewers | 10 | 106 |

1 A closed loop well utilizing USP food grade propylene glycol may be located to within 25 feet of a water well.

2 These setbacks do not apply when the closed loop well is installed prior to the construction of the building.

3 The 25-foot separation distance from a pond does not apply to a closed loop well when:

1) The borehole is grouted the same day that is constructed;

2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and

3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.

4 A water well or closed loop well may be located to within 10 feet of a sewer provided that the sewer consists of cast iron pipe with watertight mechanical joints or rubber gasket sealed joints that meet ASTM Standard C564-11, SDR 26 PVC pipe or schedule 40 PVC pipe or heavier with solvent welded watertight joints or elastomeric seals (gaskets) used for push-on joints that meet ASTM Standard F477-10.

5 If the sewer pipe material is unknown, the 50-foot separation distance may be reduced to 25 feet if the following conditions are met:

1) The borehole is grouted the same day that it is constructed;

2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and

3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.

6 The 10-foot separation distance for a storm sewer does not apply to a closed loop well when:

1) The borehole is grouted the same day that it is constructed;

2) The top 20 feet of the borehole is bored to a diameter at least 3 inches greater than the total diameter of the heat exchanger; and

3) The enlarged top 20 feet of the borehole is grouted with bentonite chips manufactured for well sealing within 24 hours after the construction of the borehole.

(Source: Amended at 39 Ill. Reg. 3992, effective March 2, 2015)