

CHAPTER 152

WATER WELL PROTECTION

152.01 Shallow Well Protection

152.04 Designating Authority

152.02 Deep Well Protection

152.05 Existing Structure or Facilities

152.03 Applicability

152.01 SHALLOW WELL PROTECTION. No structure or facility of the following enumerated types shall be located within the distances hereinafter set forth from a shallow public well within the City.

1. Well house floor drains to ground surface – 5 feet;
2. Water treatment plant wastes to ground surface – 50 feet;
3. Sanitary and industrial discharges to ground surface – 200 feet;
4. Floor drains from well house to surface:
 - A. None within 5 feet;
 - B. 5 to 10 feet, water main materials enclosed in concrete permitted;
 - C. 10 to 25 feet, must be water main material;
 - D. 25 to 75 feet, must be watertight sewer pipe;
5. Floor drains to sewers, water plant wastes, storm or sanitary sewers or drains:
 - A. None permitted within 25 feet;
 - B. 25 to 75 feet, must be water main material;
 - C. 75 to 200 feet, must be watertight sewer pipe;

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6. Sewer force mains:
 - A. None permitted within 75 feet;
 - B. If within 200 feet, must be water main materials;
7. Land application of solid waste – 200 feet;
8. Irrigation of wastewater – 200 feet;
9. Concrete vaults and septic tanks – 200 feet;
10. Mechanical wastewater treatment plants – 200 feet;
11. Cesspools and earth pit privies – 200 feet;
12. Soil absorption fields – 200 feet;
13. Lagoons – 200 feet;
14. Chemicals:
 - A. Application to ground surface – 200 feet;
 - B. Above ground storage – 200 feet;
 - C. On or underground storage – 200 feet;
15. Animal pasturage – 50 feet;
16. Animal enclosure – 200 feet;
17. Animal wastes:
 - A. Land application of solids – 200 feet;
 - B. Land application of liquid or slurry – 200 feet;

- C. Storage tank – 200 feet;
 - D. Solids stockpile – 200 feet;
 - E. Storage basin or lagoon – 200 feet;
- 18. Earthen silage storage trench or pit – 200 feet;
 - 19. Basements, pits, sumps – 10 feet;
 - 20. Flowing streams or other surface water bodies – 50 feet;
 - 21. Cisterns – 100 feet;
 - 22. Cemeteries – 200 feet;
 - 23. Solid waste disposal sites – 200 feet.

152.02 DEEP WELL PROTECTION. No structure or facility of the following enumerated types shall be located within the distances hereinafter set forth from a deep public well within the City.

- 1. Well house floor drains to ground surface – 5 feet;
- 2. Water treatment plant wastes to ground surface – 50 feet;
- 3. Sanitary and industrial discharges to ground surface – 200 feet;
- 4. Floor drains from well house to surface:
 - A. None within 5 feet;
 - B. 5 to 10 feet, water main materials enclosed in concrete permitted;
 - C. 10 to 25 feet, must be water main material;
 - D. 25 to 75 feet, must be watertight sewer pipe;

5. Floor drains to sewers, water plant wastes, storm or sanitary sewers or drains:
 - A. None permitted within 25 feet;
 - B. 25 to 75 feet, must be water main material;
 - C. 75 to 200 feet, must be watertight sewer pipe;
6. Force mains:
 - A. None permitted within 75 feet;
 - B. If within 200 feet, must be water main materials;
7. Land application of solid waste – 100 feet;
8. Irrigation of wastewater – 100 feet;
9. Concrete vaults and septic tanks – 100 feet;
10. Mechanical wastewater treatment plants – 200 feet;
11. Cesspools and earth pit privies – 200 feet;
12. Soil absorption fields – 200 feet;
13. Lagoons – 200 feet;
14. Chemicals:
 - A. Application to ground surface – 100 feet;
 - B. Above ground chemical or mineral storage – 100 feet;
 - C. On or underground chemical or mineral storage – 200 feet;
15. Animal pasturage – 50 feet;

16. Animal enclosure – 100 feet;
17. Animal wastes:
 - A. Land application of solids – 100 feet;
 - B. Land application of liquid or slurry – 100 feet;
 - C. Storage tank – 100 feet;
 - D. Solids stockpile – 200 feet;
 - E. Storage basin or lagoon – 200 feet;
18. Earthen silage storage trench or pit – 100 feet;
19. Basements, pits, sumps – 10 feet;
20. Flowing streams or other surface water bodies – 50 feet;
21. Cisterns – 50 feet;
22. Cemeteries – 200 feet;
23. Private wells – 200 feet;
24. Solid waste disposal sites – 200 feet.

152.03 APPLICABILITY. Proscriptions as set forth in Sections 152.01 and 152.02 shall apply to all public water wells existing within the City except public water wells formerly abandoned for use by resolution of the Council.

152.04 DESIGNATING AUTHORITY. The Council shall designate each water well within the City as being a “shallow well” or “deep well” for the purposes of this chapter.

152.05 EXISTING STRUCTURES OR FACILITIES. The use of structures or facilities existing at the time of enactment of the ordinance codified in this chapter may be continued even

though such use may not conform with the regulations of this chapter. However, such structure or facility may not be enlarged, extended, reconstructed or substituted subsequent to adoption of such ordinance.[†]

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[†] **EDITOR'S NOTE:** Ordinance No. 689 restricting the location of potential sources of contamination within close proximity to public water wells within the City was adopted by the Council on October 15, 2001, and published in the *Dyersville Commercial* on October 17, 2001.