



MINNESOTA DEPARTMENT OF HEALTH  
 WELL MANAGEMENT SECTION  
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**ISOLATION DISTANCES FROM A WATER-SUPPLY WELL**  
**MINNESOTA RULES, CHAPTER 4725**  
**RULES RELATING TO WELLS AND BORINGS**  
**MAY 10, 1993**

THIS LIST OF ISOLATION DISTANCES IS SUMMARIZED FROM MINNESOTA RULES, CHAPTER 4725. FOR COMPLETE REGULATIONS, CONSULT THESE RULES AND MINNESOTA STATUTES, CHAPTER 103I. ADDITIONAL INFORMATION AND EXPLANATION CAN BE OBTAINED BY CONSULTING THE RULES HANDBOOK A GUIDE TO THE RULES RELATING TO WELLS AND BORINGS, OR BY CONTACTING THE WELL MANAGEMENT SECTION, MINNESOTA DEPARTMENT OF HEALTH.

AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS OR 100 POUNDS DRY WEIGHT .....	150 FEET
AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA WITH SAFEGUARDS.....	100 FEET
AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA WITH SAFEGUARDS AND ROOFED .....	50 FEET
AGRICULTURAL CHEMICAL SUPPLY TANK.....	20 FEET <sup>1</sup>
ANIMAL FEEDLOT.....	50 FEET <sup>2</sup>
ANIMAL OR POULTRY BUILDING .....	50 FEET <sup>2</sup>
BUILDING.....	3 FEET
BUILDING PROJECTION, OVERHANG, DECK .....	3 FEET
CESSPOOL .....	75 FEET <sup>2</sup>
DRY WELL (SEWAGE).....	75 FEET <sup>2</sup>
DUMP.....	150 FEET
ELECTRIC TRANSMISSION LINE.....	5 FEET <sup>3</sup>
ELECTRIC TRANSMISSION LINE IN EXCESS OF 50 KV .....	25 FEET
FEEDING OR WATERING AREA WITHIN A PASTURE.....	50 FEET <sup>2</sup>
FROST-PROOF YARD HYDRANT .....	10 FEET
GAS PIPE.....	5 FEET <sup>3</sup>
GRAVE .....	50 FEET
HAZARDOUS SUBSTANCE STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS OR 100 POUNDS DRY WEIGHT .....	150 FEET
HAZARDOUS SUBSTANCE STORAGE TANK WITH SAFEGUARDS .....	100 FEET
HOLDING TANK (SEWAGE).....	50 FEET
INTERCEPTOR (WASTE).....	50 FEET
LEACHING PIT.....	75 FEET <sup>2</sup>
LP TANK .....	5 FEET <sup>3</sup>
MANURE STORAGE AREA.....	100 FEET <sup>2</sup>
ORDINARY HIGH WATER LEVEL OF A STREAM, RIVER, POND OR LAKE.....	50 FEET

PETROLEUM STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS.....	150 FEET
PETROLEUM STORAGE TANK, IN EXCESS OF 1100 GALLONS, WITHOUT SAFEGUARDS ....	150 FEET
PETROLEUM STORAGE TANK, IN EXCESS OF 1100 GALLONS, WITH SAFEGUARDS.....	100 FEET
PETROLEUM STORAGE TANK, BURIED, 25 TO 1100 GALLONS.....	50 FEET
PETROLEUM STORAGE TANK, ABOVE GROUND, 25 TO 1100 GALLONS .....	20 FEET
PIT .....	20 FEET
POLLUTANT, CONTAMINANT OR HAZARDOUS SUBSTANCE .....	50 FEET
PRIVY .....	50 FEET <sup>2</sup>
SANITARY LANDFILL.....	150 FEET
SEEPAGE PIT.....	75 FEET <sup>2</sup>
SEPTIC TANK.....	50 FEET
SEWAGE LIFT STATION .....	50 FEET
SEWAGE SUMP, WATERTIGHT.....	20 FEET
SEWAGE SUMP, NONWATERTIGHT .....	50 FEET
SEWER, BURIED, GRAVITY, APPROVED, AIR-TESTED .....	20 FEET
SEWER, BURIED, PRESSURE, APPROVED, AIR-TESTED, SERVING A SINGLE-FAMILY RESIDENCE .....	20 FEET
SEWER, BURIED, COLLECTOR OR MUNICIPAL, OPEN-JOINTED, OR UNAPPROVED MATERIALS.....	50 FEET
STORM WATER DRAIN PIPE, 12 INCHES OR GREATER IN DIAMETER .....	20 FEET
SUBSURFACE DISPOSAL FIELD (DRAINFIELD).....	50 FEET <sup>2</sup>
SWIMMING POOL, IN-GROUND.....	20 FEET
UNFILLED SPACE .....	20 FEET
UNUSED, UNSEALED WELL OR BORING .....	50 FEET
WASTE STABILIZATION POND.....	150 FEET

**ADDITIONAL ISOLATION DISTANCES FOR  
COMMUNITY PUBLIC WATER-SUPPLY WELLS**

FIRE OR FLUSHING HYDRANT.....	10 FEET
GRAVEL POCKET RECEIVING CLEAR WATER DRAINAGE.....	30 FEET
HIGHEST WATER OR FLOOD LEVEL.....	50 FEET
MINIMUM DISTANCE FROM ANY CONTAMINATION SOURCE.....	50 FEET <sup>4</sup>
PROPERTY LINE OR EASEMENT .....	50 FEET

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- <sup>1</sup> THE 20-FOOT DISTANCE APPLIES ONLY TO AN IRRIGATION WELL AND AN AGRICULTURAL CHEMICAL SUPPLY TANK (CHEMIGATION TANK) PROTECTED WITH SAFEGUARDS.
  - <sup>2</sup> A WATER-SUPPLY WELL WITH LESS THAN 50 FEET OF WATERTIGHT CASING, AND WHICH IS NOT CASED BELOW A CONFINING LAYER OF AT LEAST 10 FEET IN THICKNESS, MUST BE LOCATED AT LEAST TWICE THE INDICATED DISTANCE.
  - <sup>3</sup> A WELL OR BORING BETWEEN 5 AND 10 FEET OF AN ELECTRIC TRANSMISSION LINE, GAS PIPE OR LP TANK MUST BE PLACARDED AND WORK MUST NOT BE PERFORMED ON THE WELL OR BORING UNLESS THE ELECTRIC LINE IS DEENERGIZED AND GROUNDED OR SHIELDED, AND THE GAS PIPE OR LP TANK DOES NOT CONTAIN FLAMMABLE GAS.
  - <sup>4</sup> A COMMUNITY PUBLIC WATER-SUPPLY WELL MUST BE A MINIMUM OF 50 FEET FROM ANY CONTAMINATION SOURCE. THE 20-FOOT CONTAMINATION DISTANCES (SEWER, PIT, STORM WATER DRAIN PIPE, ETC.) ARE INCREASED TO 50 FEET FOR COMMUNITY PUBLIC WATER-SUPPLY WELLS.

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