

MINNESOTA DEPARTMENT OF HEALTH
WELL MANAGEMENT UNIT
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ISOLATION DISTANCES FROM A WATER SUPPLY WELL
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 UNIT, 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 ¹
ANIMAL FEEDLOT	50 FEET ²
ANIMAL OR POULTRY BUILDING	50 FEET ²
BUILDING	3 FEET
BUILDING PROJECTION, OVERHANG, DECK	3 FEET
CESSPOOL	75 FEET ²
DRY WELL (SEWAGE)	75 FEET ²
DUMP	150 FEET
ELECTRIC TRANSMISSION LINE	5 FEET ³
ELECTRIC TRANSMISSION LINE IN EXCESS OF 50 KV	25 FEET
FEEDING OR WATERING AREA WITHIN A PASTURE	50 FEET ²
FROST-PROOF YARD HYDRANT	10 FEET
GAS PIPE	5 FEET ³
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 ²
LP TANK	5 FEET ³
MANURE STORAGE AREA	100 FEET ²
ORDINARY HIGH WATER LEVEL OF A STREAM, RIVER, POND OR LAKE	50 FEET

PETROLEUM STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS OR 100 POUNDS DRY WEIGHT	150 FEET
PETROLEUM STORAGE TANK WITH SAFEGUARDS	100 FEET
PETROLEUM STORAGE TANK, UNDERGROUND, LESS THAN 1100 GALLONS	50 FEET
PETROLEUM STORAGE TANK, ABOVE GROUND, LESS THAN 1100 GALLONS	20 FEET
PIT	20 FEET
POLLUTANT, CONTAMINANT OR HAZARDOUS SUBSTANCE	50 FEET
PRIVY	50 FEET ²
SANITARY LANDFILL	150 FEET
SEEPAGE PIT	75 FEET ²
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, PRESSURIZED, 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 ²
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 ⁴
PROPERTY LINE OR EASEMENT	50 FEET

¹ THE 20-FOOT DISTANCE APPLIES ONLY TO AN IRRIGATION WELL AND AN AGRICULTURAL CHEMICAL SUPPLY TANK (CHEMIGATION TANK) PROTECTED WITH SAFEGUARDS.

² A WATER SUPPLY WELL WITH LESS THAN 50 FEET OF WATERTIGHT CASING, OR WHICH IS NOT CASED BELOW A CONFINING LAYER OF AT LEAST 10 FEET IN THICKNESS, MUST BE LOCATED AT LEAST TWICE THE INDICATED DISTANCE.

³ 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.

⁴ 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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