

567 IAC 60.2(2)“c” - Table I: Wastewater Separation Distances
(From 567 IAC Chapter 60, effective 6/18/2025)

Structure or Source of Contamination	Required Minimum Lateral Distance, as Measured Horizontally on the Ground Surface, in feet							
	PSDS and Onsite Treatment Systems ¹		Building Sewer Service Lines and Laterals ²	Wastewater Treatment Works ³		Land Application		
	Closed Portion	Open Portion		Lagoons ⁴	Mechanical ⁵	Sewage Sludge	Septage	Domestic or Industrial Wastewater, Wetted Disposal Area ⁶
WELLS:								
Public wells:								
Public water supply well - deep ⁷	100	200	25: Water main 75: Standard sanitary sewer	400	200	200	500	200
Public water supply well - shallow ⁷	200	400	25: Water main 75: Standard sanitary sewer	1000	400	200	500	400
Below-ground level finished water storage facility	50		25: Water main 75: Standard sanitary sewer	50	50	50	50	
New or existing private well - deep or shallow	50	100	10	400 ^{8,9}		200	500	
WASTEWATER DISPOSAL SYSTEMS:								
Other PSDSs and onsite treatment systems – open or closed portions ¹⁰	5 ¹⁰	10 ¹⁰						
WATERBODIES:								
Flowing streams or ponds	25					35 ¹¹	35 ¹¹	300
Lakes or reservoirs	50	100		400		35 ¹¹	35 ¹¹	300
Wetlands or drainage channels ¹²						35 ¹¹	35 ¹¹	300
MISCELLANEOUS:								
Inhabitable residences, other inhabitable structures, or commercial buildings	10 ¹³			1000 ^{14,15,16}	1000 ^{13,15}	200	750 ¹⁷	300
Public use areas (not including roads or highways)				Anaerobic lagoons only ¹⁶				300
GHEX loop boreholes ¹⁸	50	100						
Roadside ditches	10							
Road rights-of-way				25 ²⁰				
Property lines	10 ¹⁹			25 ²⁰				
Suction water lines	50	100						
Water lines continually under pressure, foundation drains, or subsurface tiles ²¹	10							

¹PSDS (private sewage disposal system) is defined in 567—subrule 69.1(2). For the purposes of this table, “onsite treatment system” includes any wastewater treatment system not included in the definition of a PSDS (i.e., provides treatment or disposal of domestic sewage from more than four dwelling units or 16 or more individuals on a continuing basis) that is utilizing wastewater treatment technologies described in 567—Chapter 69 to treat domestic waste. Closed portion refers to the part of a treatment system that is fully contained and does not allow effluent or pretreated effluent to enter soil or groundwater (e.g., septic tank or impervious vault toilet). Open portion refers to the part of a treatment system that allows effluent or pretreated effluent to discharge into soil or groundwater for treatment or disposal (e.g., soil absorption system or unlined ISSF system). These SDs also apply to onsite treatment systems that are not considered privately owned.

²The SDs for building sewer service lines and laterals shall be considered minimum distances when constructing sewer lines, and shall be increased where possible to provide better protection. “Water main” and “standard sanitary sewer” are the type of materials or pipe used to construct the specified type of sewer, in accordance with 567—subrule 43.3(2) and Section 2.4 of the IWFDs.

³For the purposes of this table, “wastewater treatment works” includes lagoons as specified in superscript 4 and mechanical treatment works as specified in superscript 5. When the SDs for wastewater treatment systems and structures other than wells cannot be maintained for the expansion, upgrading, or replacement of existing facilities, the SDs shall be maintained at no less than 90 percent of the existing distance on the site, providing no data is available indicating that a problem has existed or will be created. The wastewater treatment works SDs shall not apply to control buildings, including but not limited to laboratories, offices, and toilet or shower rooms.

⁴The term “lagoons” includes aerated lagoon systems, advanced aerated lagoon systems, and waste stabilization lagoons, as defined in 567—subrule 81.1(1), and holding ponds, equalization basins, and sludge digestion or holding tanks, as described in the IWFDs. The term does not include lagoons used to dispose of water treatment plant wastes and anaerobic lagoons used for animal wastes (as noted in superscript 8). The SD from lagoons shall be measured from the water surface.

⁵The term “mechanical” includes activated sludge systems and fixed film biological treatment systems, as defined in 567—subrule 81.1(1), and any other wastewater disposal system that is not a PSDS, an onsite treatment system, or a lagoon. The mechanical wastewater treatment plant SDs are recommended for pumping stations at sites remote from new or expanded wastewater treatment facilities. All pumping stations shall be off the traffic ways of streets and alleys.

⁶The wetted disposal area is the land and area that is normally wetted by wastewater application. The wetted disposal area shall be established at least 50 feet inside the property line on all sides of the land application site. Distances may be reduced depending upon the extent of pretreatment and operational techniques.

⁷Deep and shallow wells are defined in 567—subrule 40.2(1).

⁸The SD between a private well and an anaerobic lagoon, earthen manure slurry storage basin, earthen manure storage basin, or runoff control basin shall be 1,000 feet. If an applicant for a private well construction permit demonstrates through percolation testing that the seepage loss through the lagoon or basin does not exceed 1/16 inch/day (0.0625 inch/day), the SD shall be 400 feet. The percolation test shall meet the requirements of ASTM D1587/D1587M-15 and 567—subrule 65.15(11).

⁹The SD between an existing, nonpotable, deep or shallow private well and an industrial treatment works may be reduced from 400 feet to 200 feet to accommodate the expansion of an existing industrial treatment works, provided the well and the treatment works share the same ownership.

¹⁰Required distance between a new PSDS and an existing other type of PSDS.

¹¹If sewage sludge or septage is land applied within 200 feet upgradient of a stream, lake, sinkhole, or tile line surface intake, it shall be injected or applied to the surface and mechanically incorporated into the soil within 48 hours of application unless otherwise approved by the department.

¹²Includes drainage channels that may have a direct connection to the groundwater table or a surface water.

¹³If an onsite treatment system (as described in superscript 1) has a design AWW flow of greater than 1,500 gpd and less than or equal to 5,000 gpd, the SD between an inhabitable residence, other inhabitable structure, or commercial building and the onsite treatment system shall be 100 feet.

¹⁴The SDs between an inhabitable residence, other inhabitable structure, or commercial building and the types of lagoons specified in this superscript shall apply as indicated. If a flow equalization basin is covered and at a site that is remote from new or expanded wastewater treatment facilities, the SD may be reduced to 300 feet at the department’s discretion. If the top of a remote flow equalization basin is underneath the surface of the earth, the 1,000-foot SD is recommended but not required, and the minimum SD is 100 feet. If a wastewater treatment lagoon is used solely for the retention or storage of the industrial waste from a boiler or cooling tower blow down facility and its sole use is filed with the county recorder for abstract of title purposes, the 1,000-foot distance is recommended but not required, and the minimum SD is 100 feet.

¹⁵If the inhabitable structure or commercial building is the property of the owner of the proposed lagoon or mechanical treatment facility, or there is written agreement with the owner of the building, the 1,000-foot distance shall not apply. Any such written agreement shall be submitted to the department and filed with the county recorder for abstract of title purposes, and a copy submitted to the department.

¹⁶See 60.2(2)“d” for specific anaerobic lagoon SDs.

¹⁷Septage shall not be applied within 750 feet of an occupied residence, except for the residence of the owner of the septic tank that was pumped or the residence of the licensed commercial septic tank cleaner.

¹⁸GHEX loop boreholes are defined in 567—subrule 49.2(1).

¹⁹The 10-foot distance between a PSDS and property lines applies unless a mutual easement is signed and recorded by both parties.

²⁰An SD of at least 300 feet between a wastewater treatment works and property lines or rights-of-way is recommended where treatment works may be expanded in the future.

²¹“Foundation drain” is defined in 567—subrule 69.1(2).