

Office of Drinking Water – Disinfection Requirements
SEMI-PUBLIC WATER SYSTEMS (*less than 15 service connections*)

Updated: May 2025

Contact Information: The approval and permit process can be found online through the official website of the Office of Drinking Water for the Manitoba Government. For more information, email:

drinkingwater.approvals@gov.mb.ca

Note: Disinfection and turbidity monitoring requirements must be discussed with the Drinking Water Officer.

# of Connections	Facility Type (examples)	Source Water Type	Primary Disinfection	Secondary Disinfection	Filtration
2 to 14 Service Connections and Single Building Connection	School/ Daycare/ Personal Care Home/ Residential Care Home/ Hospital	Surface Water/ High Risk GUDI	20 minutes of effective chlorine contact time. AND Ultraviolet (UV) disinfection.	Depends ¹ .	Yes, 1-micron absolute filter.
		GUDI	20 minutes of effective chlorine contact time. AND Ultraviolet (UV) disinfection.	Depends ¹ .	Optional.
		Secure Groundwater	20 minutes of hydraulic chlorine contact time. OR Ultraviolet (UV) disinfection.	Depends ¹ .	Not Required.
	Residential/ Food Handling Establishment/ Children Camp/ Recreation Camp	Surface Water/ High Risk GUDI	20 minutes of effective chlorine contact time. AND Ultraviolet (UV) disinfection.	Depends ¹ .	Yes, 1-micron absolute filter.
		GUDI	20 minutes of effective chlorine contact time. OR Ultraviolet (UV) disinfection.	Depends ¹ .	Optional.
		Secure Groundwater	Not Required. Recommended.	Depends ¹ .	Not Required.

- 1) **Water systems with 2 to 14 services connections are required to have a disinfection residual (secondary disinfection). Water systems that are a single building are not required to have a disinfection residual (secondary disinfection). *Some exceptions allowed; contact the Office of Drinking Water for more information.**
- 2) *Secondary disinfection can be free chlorine residuals or mono-chloramination; both methods are accepted by the Office of Drinking Water.*
- 3) *20 minutes of effective chlorine contact time means a baffle factor will be applied to the chlorine contact time calculations; hydraulic chlorine contact time means that no baffle factor will be applied.*
- 4) *Ultraviolet (UV) disinfection units must meet NSF 55 Class A certification or US EPA dose validated with appropriate flow restrictors.*
- 5) *Pipeline chlorine contact time is not accepted by the Office of Drinking Water for new works.*
- 6) *Contact the Office of Drinking Water about requirements for bulk, truck, or pail fill stations.*