

Hospitals and other health care facilities are planning for an emergency which may disrupt the conventional water supply. This plan may include a drilled well with plumbing alterations to the existing water system. Plumbing plan review is required prior to the installation of the water service and distribution system in connection with the health care facility. Including the following information in the submittal will help the department provide an expeditious review. This checklist is not inclusive. More information may be necessary in some situations.

1. A letter of explanation to inform the reviewer of the design intent.
2. A completed General Plumbing application form (SBD-6154) must be submitted.
3. Appropriate plan review fees. Plan review fees are based on the diameter of the service or water distribution to be installed for this emergency connection, and backflow preventers if provided.
4. Provide a minimum of two copies of plans and one copy of specifications. Plans must include:
 - a. Plan view of the emergency water supply system from the well to the point of connection to the water distribution system.
 - 1) Include all appurtenances and appliances served by this emergency system.
 - 2) Include details of cross-connection assembly installation or method of disconnection from the municipal water supply.
 - b. Isometric view of the emergency water supply system from the well to the connection of the water distribution system.
 - 1) Include all appurtenances and appliances served by this emergency water system.
 - 2) Include cross-connection assemblies or method of disconnection of the municipal water supply.
 - c. Detailed engineering specifications including:
 - 1) Water demand in gallons per minute for the existing water system.
 - 2) Plan view of the facility that identifies areas that will continue to be served by emergency water and areas to be isolated by control valves.
 - 3) Provide a gallon per minute balance between the capacity of the well and prioritizing water usage within the facility when a water emergency occurs. Include a water calculation worksheet (SBD-6479) for the emergency water system.
 - 4) All proposed water use measures.
 - d. Submit the Emergency Operation Plan that identifies plumbing fixtures and other water usage available during a water emergency period.
 - e. Provide the well capacity along with the well pump discharge rate.

Note: The interconnection of this water distribution system to the municipal water supply system shall be in accordance with all Department of Natural Resources and Department of Safety and Professional Services rules, or a physical disconnection of the municipal water supply and the well supply shall be maintained at all times.

(The interconnection of a well and a municipal water supply may need to be approved by the DNR, however isolating the municipal supply and the well supply by the installation of a separate reduced pressure principle backflow preventer is acceptable to DSPS.)

For information, contact Safety and Buildings Division Plumbing Consultant Tom Braun, 715-340-5387, thomas.braun@wi.gov