

State of Wisconsin
Wisconsin Department of Natural Resources
Bureau of Drinking Water & Groundwater - DG/5
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Spring Box Application

Form 3300-316 (R 07/20)

Notice: Pursuant to §§ NR 812.09(4)(i) and NR 812.25, Wis. Adm. Code, prior Department of Natural Resources (DNR) approval is required for the use of a spring as a potable water supply. This form is required to be completed to request approval for installation of spring box. Personally identifiable information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records law (s.19.31-19.39, Wis. Stats.).

Owner Information

Last Name		First		MI
Mailing Address		City	State	ZIP Code
Phone Number (include area code)	Fax Number	Email Address		

Agent Information

Name and Title		Company		
Street Address		City	State	ZIP Code
Phone Number (include area code)	Fax Number	Email Address		

Spring Box Location Information

Street Address										
Gov't Lot #	¼ ¼	¼	Section	Township	Range	<input type="radio"/> E <input type="radio"/> W	<input type="radio"/> City of	<input type="radio"/> Town	<input type="radio"/> Village	County
Latitude / Longitude in Decimal Degree (DD): ____ . ____ ° N - ____ . ____ ° W										
Spring Box Serves (Examples: home, barn, school, restaurant)										

Spring Box Construction Information

Spring Box Length in Feet		Spring Box Width in Feet		Spring Box Depth in Feet	
Spring Box Wall Thickness in Inches			Spring Box Cover (width or diameter) in Inches		
Water Height in Feet (from bottom of Spring Box)			Overflow Pipe Height in Feet (above ground surface)		
Distribution Piping Height in Feet (above ground surface)			Estimated Spring Box Flow (in gallons per minute)		

Spring Box Requirement Checklist

The following checklist contains the requirements of NR 812.25, Wis. Adm. Code for a spring box. Check all requirements that your spring box meets/will meet. If any items are unchecked, describe the items that cannot be met below, and provide an explanation of why it is not feasible to meet them.

- ☐ The area surrounding the spring to a distance of at least 100 feet laterally and 50 feet downgrade and the area immediately upslope from the spring to a point beyond the crest of the slope or to a distance of at least 200 feet upslope from the spring, is not used for any activity, including human habitation, which may contaminate the spring.
- ☐ The spring outlet is/will be at least 2 feet above the regional flood water level.
- ☐ The spring water flows from an underground source having enough overburden so that a horizontal plane extending back into the slope of the hill 100 feet will be at least 25 feet below the ground surface.
- ☐ The spring meets/will meet the distance separation requirements from potential contamination sources as specified in s. NR 812.08.

Spring Box Application

Form 3300-316 (R 07/20)

Spring Box Requirement Checklist...continued

- ☐ The spring outlet is/will be completely protected against the entrance of surface water runoff, insects, rodents and contaminants.
- ☐ A poured concrete box structure reinforced with 3/8 inch bars each way is/will be constructed to house the spring outlet. This spring box meets/will meet the following minimum construction requirements:
 - ☐ Five-inch thick walls and roof with no cracks or holes, except for the overflow pipe in the wall and the access openings in the roof.
 - ☐ A width of 4 feet, with a 24-square foot cross section.
 - ☐ A 20-inch diameter round, or a 20-inch square access opening in the roof with a 4-inch thick concrete curbing wall that extends 8 inches above the roof.
 - ☐ An overlapping, tight-fitting, shoebox-type cover with 4-inch high skirted sides, constructed from welded sheet steel, to cover the access opening.
 - ☐ A 4-inch diameter or larger steel pipe sleeve, comprising a section of well casing pipe conforming to s. NR 812.17 (2) extending through the roof to a point at least 12 inches above the roof for the passage of the pump suction and discharge pipe or a service pipe from a pressure tank. The steel pipe sleeve shall be provided with a one-piece top plate sanitary well seal. *(not applicable if no pump)*.
 - ☐ An overflow pipe with a screened outlet that terminates at least 2 pipe diameters above the maximum water level at its discharge point.
- ☐ Buried discharge pipe from the spring, from a pump or any service pipes from a pressure tank is/will be maintained under positive gauge pressure at all times.
- ☐ If the pump, pressure tank, or both, are installed above the spring outlet box, an insulated housing is/will be provided for frost protection.
- ☐ The spring is capable of producing water that is continuously free from coliform bacterial contamination and free of contaminants in excess of the drinking water standards in s. NR 812.06 - Attach laboratory report showing a coliform bacteria-negative test result from a water sample collected from the spring within the last 6 months.

If any of the above requirements are not met, please describe which requirements are not met and why it is not feasible to meet them.

Spring Box Application

Form 3300-316 (R 07/20)

Project Description

Provide an illustration of the proposed Spring Box, including the cover, water supply distribution lines (include lengths) and the distances to all potential contaminant sources. Describe the land use up-gradient, side-gradient and down gradient and the distance to each land use. (attach an additional sheet if you need more space)

Required Enclosures

☐ Laboratory test result for bacteria test of water sample collected from spring within the last 6 months

Signature

I understand that DNR personnel may inspect this property to verify information provided and evaluate this application.

I attest to the best of my knowledge the information provided in this application is true, complete, and correct. I understand that the information I provide will be used by the Department to determine if an approval can be granted and what construction specifications may be required.

Signature of: ☐ Owner ☐ Owner's Agent

Date Signed (mm/dd/yyyy)

Printed Name

MAIL THIS APPLICATION TO:

Spring Box Application

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Instructions for Completing an Application to use a Spring Box as a Potable Water Source

Fill out the Spring Box application completely and accurately. An incomplete or inaccurate application will not be evaluated. Submit any additional information requested by the DNR (for example; water sample test results, well construction reports, site maps) with the application.

Applicant Information: A spring box application must be completed by the owner or by an owner's agent. If the address is different from the address for the owner or agent, complete both addresses.

Spring Box Location Information: Complete this section for an existing or proposed new spring box. Provide Global Position System (GPS) coordinates for proposed or existing spring box. If any wells exist on the property provide locational information (GPS) and well construction report(s) if available. If a well construction report is not available, report this on the application. Provide the Public Land Survey System (PLSS) information.

Spring Box Construction Information: Provided the dimensions of the spring box including the wall thickness and heights of inflow pipe, outflow pipe, and overflow pipe. Also provide the estimated flow of the spring box in gallons per minute.

Spring Box Requirement Checklist: Check all requirements that your spring box meets, and explain any requirements you cannot meet.

Project Description: A site drawing is required to present the existing or proposed spring box location in relation to site landmarks or potential contamination sources. Provide a map with all components of your water system included and labeled. Identify key measured distances to site features that affect code compliance including any potential contaminant sources and provide measurements from your water system. The spring shall meet the distance separation requirements from potential contamination sources as specified in s. NR 812.08. A partial list of required separation distances is in the table below. Identify ground surface slopes and other topographic features that affect the direction of surface water flow near the spring box. See Figure 1 and Figure 2 for example diagrams.

Signature and Date: The application is required to be signed by the owner or the owner's agent.

Partial List of Required Separation Distances from s. NR 812.08

Septic or Holding Tank, 25 ft.	Salt, Deicing Storage, 250 ft.
Soil Absorption Unit or Mound < 12,000 gal/day, 50 ft.	Buried Home Heating Oil Tank, 25 ft.
Privy — pit, 50 ft.	Buried Petroleum Tank, 100 ft.
Privy — vault, 25 ft.	Surface Fuel Oil Tank ≥ 1,500 gal, 100 ft.
Pressurized Building Sewer, 25 ft.	Surface or basement liquid petroleum tank < 1,500 gal., 25 ft.
Collector Sewer, 25 ft.	Swimming Pool — Above or Inground, 8 ft.
Building Sewer, 8 ft.	Shoreline; Lake, Stream or River, 25 ft.
Manure Storage Structure — non-liquid tight, 250 ft.	Wastewater Sump — Watertight, 8 ft.
Temporary Manure Stack, 150 ft.	Ditch or Culvert, 8 ft.
Animal Barn/Pen, Yard or Shelter, 50 ft.	Grease Trap, 25 ft.
Silage Storage Tube, 50 ft.	Landfill, 1200 ft.
Silo, 50 ft.	
Kennel ≤ 5 pets, 8 ft.; > 5 pets, 50 ft.	

Spring Box Application

Form 3300-316 (R 07/20)

Spring box must be **SANITARY** with no cracks or holes and have no access to water, vermin or insects.
Spring must produce water that is **CONTINUOUSLY FREE** from coliform bacteria and other contaminants

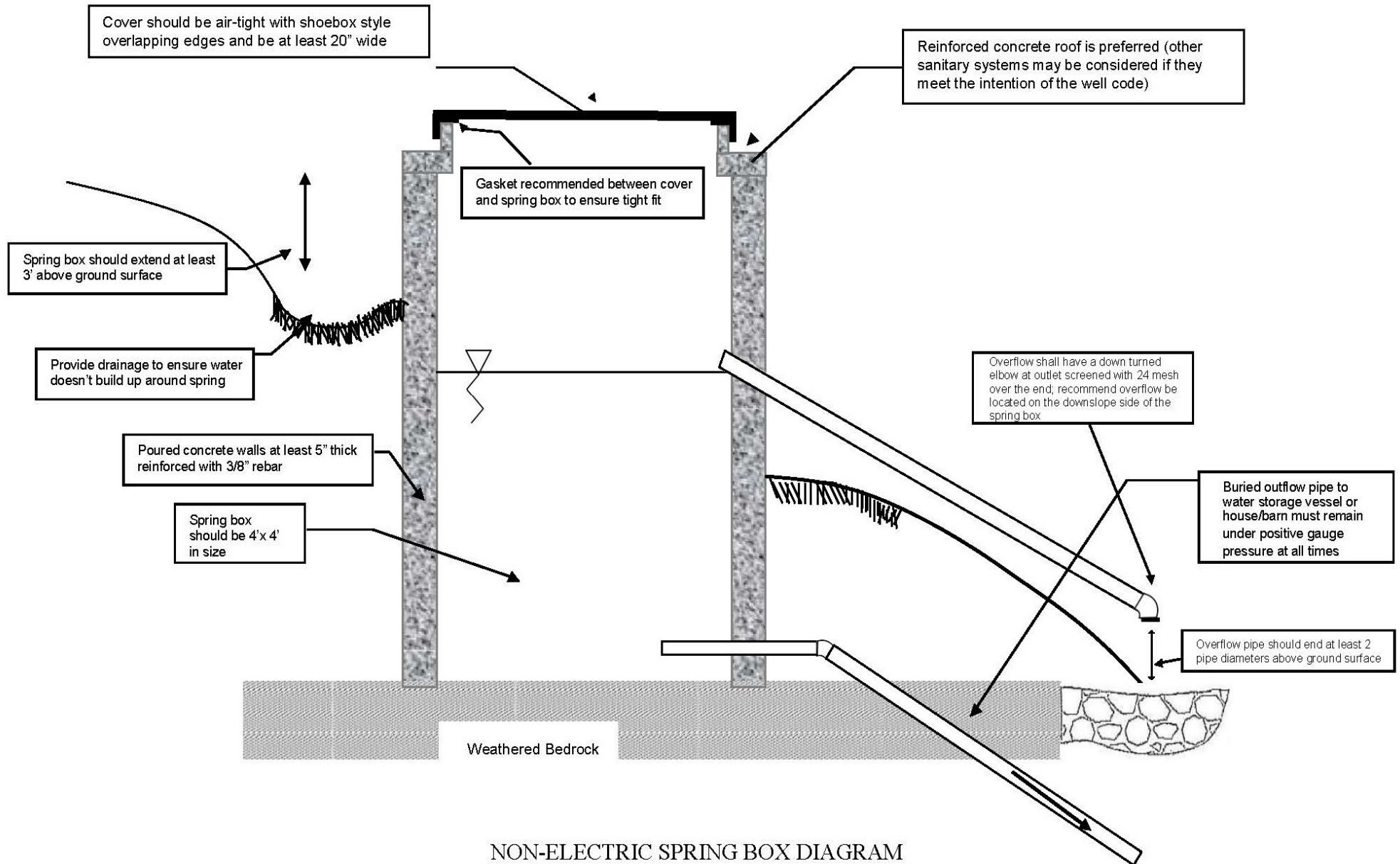


Figure 1. Example of a typical spring box. Designs may vary and must be evaluated on a case by case basis

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Form 3300-316 (R 07/20)

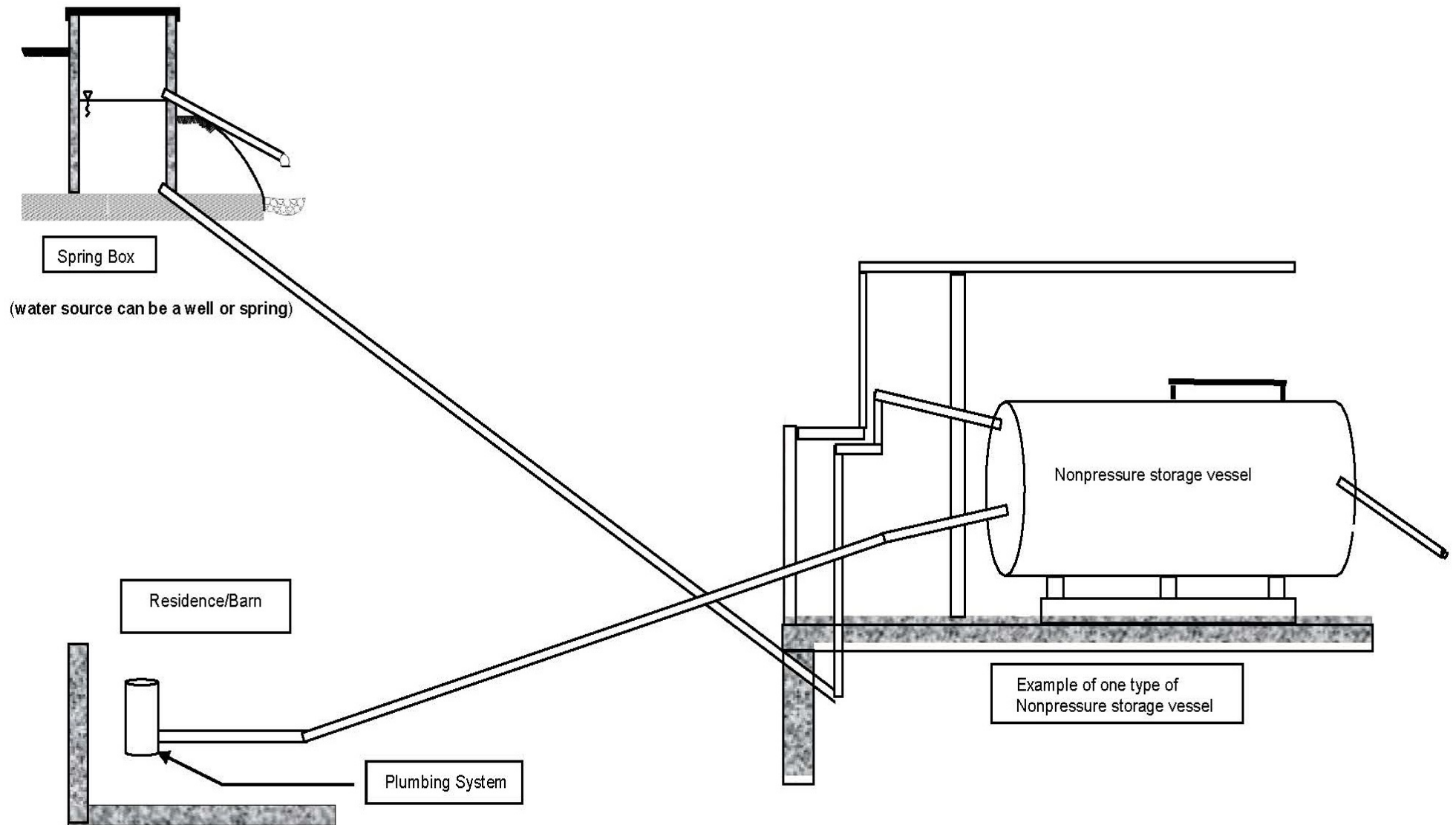


Figure 2. Example of a water system diagram. Diagram should include distances to potential contaminant sources and location of each component in reference to the entire system.