



STARK COUNTY HEALTH DEPARTMENT

4424 US Hwy 34, Kewanee, IL 61443

309-852-3115

www.henrystarkhealth.com

Public Health

Prevent. Promote. Protect.

Dear Applicant:

This is your potable water well packet. Enclosed within this package is important information regarding specifications and policies for your new water well system or the repair of the existing well system. Please read it carefully, fill out the enclosed application blank, sign it, and return it with the appropriate permit fee, or deliver it to the above listed address. Within seven (7) days of receipt of your application, the Stark County Health Department will review it to determine whether your proposal meets the requirements of the Stark County Potable Water Supplies Ordinance. You will be notified by telephone or form letter of the status of this review. If you do not hear from us in this allotted time, please contact us at the above listed address or telephone number.

You must be issued a permit before you begin any construction. \$100.00 permit fee will be charged for new wells and for existing wells which are repaired to meet current Code.

The location, construction, repair and disinfection of water wells, and the installation of water well pumps shall be governed by the requirements set forth by the Illinois Department of Public Health booklets entitled, "Illinois Water Well Construction Code, Rules and Regulations" and "Illinois Water Well Pump Installation Code, Rules and Regulations." The Stark County Health Department must be notified 48 hours before well construction begins. Well Construction reports and Pump Installation reports shall be submitted within thirty days.

Instructions for Applying for a Permit

Plot Plan: Please draw up a plot plan of the location of you proposed potable water well system and submit a copy. This must be drawn on a 8 ½" x 11" sheet of paper. (The back of the application will do nicely.)

- 1) Scale - The plan should be drawn to a scale of 1 inch equal to 40 feet (1"=40") or an appropriate scale.
- 2) Boundary Lines - The plan should include all boundary lines if possible. When the total lot is too large to show in the plan, at least the part of that lot to be used by the building, well, and sewage system must be shown.



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- 3) Well - All wells, whether located on the property or not, within 100 feet of the drainfield and 75 feet of the septic tank, must be on the plot plan. Indicate all pressurized water lines.
- 4) Closed Looped Wells – Within 200 feet, must be shown on the plot plan.
- 5) Building - The house or other buildings which the water well system will serve must be shown on the plot plan.
- 6) Roads and Driveways - All roads, driveways, and parking areas in the vicinity of the system must be shown on the plot plan.
- 7) Surface Water - All lakes, streams, major drainage ditches in the vicinity of the water well system must be shown on the plot plan.
- 8) Landscape - Trees, large obstructions (rocks, ravines, etc.), hills, steep inclines, as well as, level ground, must be shown on the plot plan.
- 9) A new well may not be drilled within 75 feet of any other existing well or abandoned well. An exception is that a new well may be within 75 feet of an existing well if the existing well is constructed according to Code. The distance shall be 200 feet from wells on adjacent properties with different owners.



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MINIMUM LATERAL DISTANCES

The proper construction or reconstruction of a water well is no guarantee that it cannot be polluted. In establishing the location of a well, it is important to give consideration to sources of possible contamination which exist on or adjacent to the premises where the well is to be located. Whenever possible, the well should be located on ground which is higher than sources of contamination. The following minimum lateral distances shall apply for the common sources of contamination listed:

<u>SOURCES OF CONTAMINATION</u>	<u>MINIMUM LATERAL DISTANCES FOR CLAY AND LOAM SOILS</u>
Cess Pools	150 feet
Leaching Pit	100 feet
Pit Privy	75 feet
Subsurface Seepage Tile	75 feet
Manure Piles	75 feet
Septic Tank	50 feet
Barnyard	50 feet
Sewers (Non-cast iron)	50 feet
Sewers (Cast iron with water-tight leaded or mechanical joints)	10 feet
Footing Drains (No connection to a sewer or a sump pump handling sewage)	10 feet
Pump House Floor Drain (Cast iron with watertight joints and having free fall discharge to ground surface)	2 feet

When the upper formations are more pervious, the lateral distances shall be increased (i.e. double the distance for highly pervious gravel formations).

Once the well is complete, it must be disinfected. This is the responsibility of the well contractor. Disinfection must also be done after the pump installation is completed. Sufficient chlorine should be introduced to give a dosage of 100 parts per million to the water in the well.

After disinfection of the well, and thorough pumping to discharge all the disinfectant, a water sample will be taken by the Health Department and analyzed for Coliform Bacteria and Nitrate. New wells will be approved for use only after a satisfactory sample has been obtained.