

# WATER WELL SEALING PLAN

This form shall be submitted to this Department prior to a potable water well, boring or monitoring well being sealed. All abandoned water wells shall be sealed in accordance with the Illinois Water Well Construction Code. Approval must be obtained after receipt of this form and prior to sealing such wells. This Department shall be notified 48 hours in advance of any sealing activity.

1. **Property Owner** \_\_\_\_\_ Telephone No.: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Mailing

Address: \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Well Location \_\_\_\_\_

911 Address \_\_\_\_\_ City \_\_\_\_\_ County \_\_\_\_\_  
**General Description:** Township \_\_\_N Range \_\_\_E Section \_\_\_\_\_  
\_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter Property ID# \_\_\_\_\_

2. Original Water Well Permit Number (if known) \_\_\_\_\_

3. **Type of Well:** Bored \_\_\_\_\_ Drilled \_\_\_\_\_ Other \_\_\_\_\_

Total Depth \_\_\_\_\_ Diameter (inches) \_\_\_\_\_

4. Well to be sealed by homeowner \_\_\_\_\_ Or licensed water well contractor \_\_\_\_\_

## 5. Well Sealing Details

Obstructions to remove from well (pump, pipe, etc.) \_\_\_\_\_

Well will be disinfected before sealing commences in the following manner: \_\_\_\_\_

Casing: Upper two feet of casing will be removed: \_\_\_\_\_ Yes \_\_\_\_\_ No

## 6. Plugging Details (top to bottom)

### Material Needs by Volume or Weight

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ Cu. Ft. \_\_\_\_\_ Or lbs.  
(materials)

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ Cu. Ft. \_\_\_\_\_ Or lbs.  
(materials)

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ Cu. Ft. \_\_\_\_\_ Or lbs.  
(materials)

Filled with \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_ ft. \_\_\_\_\_ Cu. Ft. \_\_\_\_\_ Or lbs.  
(materials)

7. \_\_\_\_\_  
(Applicant) Signature of Property Owner Date

## For Office Use Only

Approved By: \_\_\_\_\_ Date \_\_\_\_\_

## REQUIREMENTS FOR SEALING ABANDONED WELLS

Water wells shall be sealed by a licensed water well driller pursuant to the Water Well and Pump Installation Contractor's License Act. A person who is not licensed may seal a well, provided a request is made to the Livingston County Health Department on forms provided by the Livingston County Health Department indicating how the well is to be sealed and the materials to be used. The method and materials shall be in compliance with the following:

- A. **Drilled Well – with available Construction Report** shall be sealed by filling the well with disinfected clean pea gravel or limestone chips to within 10 feet below the top of the water bearing formation or to within 10 feet of the bottom of the casing, whichever is less. Neat cement (one bag of cement [94 pounds] to not more than six gallons of clean water) or any bentonite product manufactured for water sealing shall be placed for a minimum of 20 feet above this point. The upper part of the well to where the well casing is removed shall be sealed by neat cement or any bentonite product manufactured for water well sealing. Concrete or cement may be used for such sealing provided the upper part of the well is dry.
- B. **Drilled Well – without a Construction Report** shall be sealed from the bottom up to where the well casing is removed with neat cement grout or any bentonite product manufactured for water well sealing.
- C. **Dug or Bored Well** – shall be sealed by filling with disinfected clean pea gravel or limestone chips to within 20 feet below the top of the casing. The upper part of the well to where the well casing is removed shall be sealed for a minimum of 20 feet by filling with neat cement grout, any bentonite product manufactured for water well sealing provided the upper part of the well is dry, or the well may be filled completely with concrete, cement grout, or impervious material such as clay.
- D. **Buried Slab Bored Well** – shall be sealed by filling with disinfected clean pea gravel or limestone chips to within one foot below the buried slab. The upper part of the well to where the casing is removed shall be sealed with neat cement or any bentonite product manufactured for water well sealing.

In all wells, the well casing or liner shall be removed to at least two feet below final grade. The Livingston County Health Department shall be notified by telephone or in writing at least forty-eight (48) hours prior to any sealing activities.

If you have any questions, please contact:  
Livingston County Health Department  
310 East Torrance Avenue, P.O. Box 650  
Pontiac, Illinois 61764  
815/844-7174, extension 216  
Donnie Simmons, L.E.H.P. or Amy Necheles, L.E.H.P.

**HOLE SIZE & VOLUME TABLE**

Hole Diameter Inches	Hole Volume cu/ft/foot	3/8" HOLEPLUG Pounds To Fill One Foot	3/8" HOLEPLUG Feet Filled by One Bag Bentonite	3/8" HOLEPLUG Bags Bentonite To Fill 100 ft.
2	0.022	1.6	31.3	3.2
3	0.049	3.5	14.3	7.0
4	0.087	6.3	7.9	12.6
5	0.136	9.8	5.1	19.6
6	0.196	14.1	3.5	28.2
7	0.267	19.2	2.6	38.4
8	0.349	25.1	2.0	50.2
9	0.442	31.8	1.6	63.6
10	0.545	39.2	1.3	78.4
12	0.785	56.5	0.89	113.0
15	1.227	88.3	0.57	176.6
18	1.767	127.2	0.39	254.4
20	2.1817	157.1	0.32	314.2
25	3.409	245.4	0.20	490.8
30	4.909	353.4	0.14	706.8