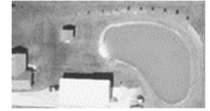




1843 Oakwood Avenue
Napoleon, OH 43545

Phone: (419) 599-5545
Fax: (419) 592-6400

www.henrycohd.org Email: env@henrycohd.org



Pond: How to complete the Application/Permit for a Private Water System

Complete the forms listed below and return with the appropriate fee prior to having work done to install or alter a pond. The fillable portions of these forms may also be completed by computer, then printed. PDF versions of this packet are available on the HCHD website.

Application/Permit for a Private Water System

Mark the applicable check boxes to indicate the type of work, if the system is to serve a dwelling or other type of building, the type of PWS and if any existing PWS is being sealed. Fill your information into applicable sections of the form. Be certain to sign and date the application where indicated.

You must hire Private Water System contractors registered by the Ohio Department of Health to do the work outlined in the application. This includes the excavation contractors who will dig the pond, and the contractors who will install the required treatment system components. A current list of State registered water contractors organized by the counties they are based out of can be found at odh.ohio.gov. Look for "Know our programs" then search: "Private Water Systems".

Application/Permit for a Private Water System Site Plan

Sketch and indicate distances from any potential sources of contamination to where the pond is proposed. If the pond is not on the same property as the home, include a copy of a recorded easement for the purpose of providing water from the pond to the dwelling.

If the property is located in a flood plain, then a registered surveyor must determine flood elevations to verify the pond surface is at least 1 foot above the flood plain elevation. Include all relevant elevation points on plans.

Acknowledgement of requirements for the construction and use of ponds as a private water source

Required for all pond water systems. Read both sides of the form and complete the front side.

Pond Construction Plan - Contact your pond excavator to complete this form.

Indicate on the site plan where the excavated material will be used or moved. If the soil is to remain on your property, print the following statement on your plans: "**EXCAVATED SOIL FROM POND CONSTRUCTION WILL NOT BE PLACED IN AREAS FOR THE SEWAGE TREATMENT SYSTEM OR ITS DESIGNATED REPLACEMENT AREA**".

Disinfection/Filtration Plan - Contact your water treatment contractor to complete this form.

Required to describe the pond water treatment system that will be installed.

Verify that the application documents are complete. Submit with the applicable permit fee indicated below. Make checks made payable to HENRY COUNTY HEALTH DEPARTMENT.

Contact the Henry County Health Department if you do not receive information about the application status within fifteen (15) business days of submitting this application

Permit Fees

Permit to Construct a pond (or utilize an existing pond as a private water system)	\$449.00
Alteration (Enlarge an existing Pond PWS or upgrade a treatment system)	\$300.00

NOTE: A permit cannot be issued to construct a pond for anything other than a single family home

Local Health District Henry County	Local Fee	State Fee	Total Fee Owed	Date Received	Receipt #	Permit #
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OHIO DEPARTMENT OF HEALTH

APPLICATION / PERMIT FOR A PRIVATE WATER SYSTEM

The application instructions are available on page 2 of this form.

CHECK ALL BOXES, IN THIS SECTION, THAT APPLY TO THE PERMIT REQUEST.				
Type of Work: <input type="checkbox"/> New Construction <input type="checkbox"/> Replacement Construction <input type="checkbox"/> Emergency Construction <input type="checkbox"/> Conversion to PWS <input type="checkbox"/> Test Well Construction <input type="checkbox"/> Temporary Hauled Water		<input type="checkbox"/> Alteration <input type="checkbox"/> Emergency Alteration <input type="checkbox"/> Alteration – Public Water connection, not sealing <input type="checkbox"/> Sealing or Decommissioning only		Serves, served or will serve: <input type="checkbox"/> 1, 2, 3 family dwelling <input type="checkbox"/> *Other than a 1, 2, 3 family dwelling <input type="checkbox"/> *Multiple dwellings <input type="checkbox"/> *Building <input type="checkbox"/> Vacant lot (sealing only)
		Type of System <input type="checkbox"/> Well <input type="checkbox"/> Hauled water storage tank <input type="checkbox"/> *Cistern <input type="checkbox"/> *Pond <input type="checkbox"/> *Spring <input type="checkbox"/> *Drive point well		Additional components: <input type="checkbox"/> *Continuous disinfection and/or filtration system <input type="checkbox"/> *Water treatment system – whole house <input type="checkbox"/> *Buried pressure tank <input type="checkbox"/> *Gas powered pump
*FLOODPLAIN - Is the property or any portion of the property located within the 100-year floodplain ? <input type="checkbox"/> YES <input type="checkbox"/> NO *FLOWING WELL AREA - Is the property located in an area known for flowing well conditions ? <input type="checkbox"/> YES <input type="checkbox"/> NO *LAND APPLICATION - Is this property located within 300 feet of septage and wastewater land application area ? <input type="checkbox"/> YES <input type="checkbox"/> NO <p style="text-align: center;">NOTE: An asterisk (*) denotes the requirement for additional plans and information as required in OAC rule 3701-28-03(F) and (G).</p>				

COMPLETE THE FOLLOWING INFORMATION – If there is no phone number or email address, place “none” in the box			
Property address or location (include city and zip code)		Parcel # (optional)	Township/City/Village
Owner's Name	Owner's mailing address <input type="checkbox"/> Check if same as property address		Phone number
Owner's Email Address			Alt. phone number
<input type="checkbox"/> Check this box if the Owner and Applicant Information is the same. If checked do not fill in applicant information.			
Applicant's name		Applicant's mailing or email address	Phone number
All persons, including homeowners, performing work on a private water system must be registered with the Ohio Department of Health as required in Ohio Administrative Code Rule 3701-28-18(A). If the contractor information is not known at time of application, it must be provided prior to the commencement of work as per the requirements in Ohio Administrative Code Rule 3701-28-03(A)(1).			
1	Private water systems contractor legal company name (as registered)		ODH Registration #
	Email address		Phone number
2	Private water systems contractor legal company name (as registered)		ODH Registration #
	Email address		Phone number

Notice to Applicant: This application will not be processed until the form bears the signature of the applicant and the date (below). This application must be accompanied by the site plan form(s) and the appropriate fee. This application is not approved until it has the date and signature of a registered sanitarian or sanitarian-in training employed by the local board of health.

I, the undersigned, hereby agree to install, construct, develop or alter the private water system named in this permit application in accordance with the attached site plan and all applicable rules governed by Chapter 3701-28 of the Ohio Administrative Code.

I, the undersigned, also understand that the issuance of this permit is conditioned upon the right of the department to enter upon the premises of the private system named in this permit at any reasonable time prior to, during, or after completion of the work specified in this permit for the purpose of determining compliance with Chapter 3701-28 of the Ohio Administrative Code.

I, the undersigned, agree to contact the local health department upon completion of the private water system in order for the local health department to perform the final inspection and collect the water sample.

I, the undersigned, understand that this permit will expire one (1) year from the date approved and all work must be completed by that date.

Applicant's signature	Date of signature
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Once issued this permit will expire one (1) year from the date approved. All work must be completed by the date expiration.

HEALTH DEPARTMENT USE ONLY

This permit is not valid without the sanitarian signature, approval date, and audit number.

Is a variance being requested prior to the permit being issued?

☐ Yes If checked yes, complete the variance section on the Administrative Summary.

APPLICATION APPROVED BY (RS or SIT only)

DATE APPROVED

Permit expires one (1) year from this date.

PLACE AUDIT
STICKER HERE

PERMIT EXTENSION

Approved by

Date Approved

Date Extension Expires

See comments on the Administrative Summary

APPLICATION INSTRUCTIONS

1. This is a two part form: APPLICATION and SITE PLAN
2. The form may be completed:
 - a. By computer, then printing; or
 - b. By printing the blank document, and filling all information with a typewriter or pen;
3. Contact the Local Health Department for the following information:
 - a. Fee information;
 - b. Site Plan completion information (some local health districts require staff to complete site plans);
 - c. Rule information.
 - d. Registered private water system contractor information.
 - i. A complete list of registered private water system contractors is available on the Ohio Department of Health website at <https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/private-water-systems-program/info-for-homeowners/>.
4. The applicant must sign and date the application prior to submitting to the Local Health District.
5. The applicable FEES must accompany all applications when submitting to the Local Health District. Applications will not be processed until all fees have been received by the Local Health District.
6. The Local Health District will review the application and site plan and notify you as to the application's status.
7. Contact the Local Health District if you do not receive information about the application status within fifteen (15) business days of submitting the application.

Local Health District
Henry County

Date Received

Permit #

OHIO DEPARTMENT OF HEALTH

APPLICATION/PERMIT FOR A PRIVATE WATER SYSTEM

SITE PLAN

Property Address

Owner / Applicant

Prepared by

As required in OAC 3701-28-03(F) & (G), additional plans will be required with this site plan form if this private water system permit request is being obtained for:

- 1) any private water system servicing greater than a three-family dwelling, a building, or within three hundred feet of a land application area;
- 2) any private water system servicing a pond, cistern, spring, or private water system located in an area of known flowing well conditions.
- 3) any private water system installation including a drive point well, buried pressure tank, gasoline power pump, continuous disinfection system, or point-of-entry water treatment system.

SITE PLAN DRAWING

☐ Check this box if the drawing is supplied on a separate sheet.

- Clearly indicate the location of all proposed and existing private water systems.
- Clearly indicate all possible sources of contamination from the list to the right, including but not limited to the house, the sewage system and the driveway.
- Clearly indicate the north direction, property lines, roads and road intersections.

LIST OF POTENTIAL CONTAMINATION SOURCES.

Write the distance from the proposed private water system location to the source listed below, if applicable.

All distances must be specific to the private water system.

- _____ ft House, Building
- _____ ft Deck or porch, not part of foundation
- _____ ft Lot lines and easements
- _____ ft Existing properly constructed well, private
- _____ ft Existing properly constructed well, public
- _____ ft Properly sealed well
- _____ ft Well or borehole of unknown or unregulated unpermitted construction
- _____ ft Road right-of-way and road utility easements
- _____ ft Road driving surface
- _____ ft Driveway or parking lot
- _____ ft Watertight sewer or drain
- _____ ft Sewage tanks, sewage absorption fields, watertight vault privies, or gray water recycling system
- _____ ft Leaching privies, leaching pits, dry wells, or drainage wells
- _____ ft Geothermal systems
Identify Type: _____
- _____ ft Streams, lakes, ponds
- _____ ft Storm water structure, special conduits, or other ditches with intermittent flow
- _____ ft Bulk salt storage piles
- _____ ft Natural gas or propane tanks
- _____ ft Fuel oil, diesel, chemical, gasoline tanks or other petroleum liquids (< 1100gal)
- _____ ft Fuel oil, diesel, chemical, gasoline tanks or other petroleum liquid (>1100 gal)
- _____ ft Oil and gas wells or oil and gas well pad
- _____ ft Municipal solid, residential, and industrial waste, and composting facilities
- _____ ft Construction and demolition debris facility
- _____ ft Land application of septage, manure, or biosolids storage facility. stockpile, storage or staging area
- _____ ft Agricultural manure ponds, lagoons, or Piles
- _____ ft Other: _____

Comments

Please refer to OAC 3701-28-07 for required isolation distances.

The following chart provides the minimum isolation distance requirements established in Ohio Administrative Code (OAC) 3701-28-07 for private water systems. Refer to <http://codes.ohio.gov/oac/3701-28-07v1>, for the complete isolation distance rule language in OAC 3701-28-07.

This chart is provided as a courtesy and is not required to be submitted with the application and site plan.

Isolation Distance Requirements as per OAC 3701-28-07

Potential Source of Contamination	Minimum
If the potential source of contamination is not listed below	50 ft
Dwelling or building foundation	10 ft
Deck or porch, not part of the building foundation for basement or crawl space	5 ft
Road right-of-way	10 ft
Normal Road surface (edge of) when no right-of-way is designated	25 ft - only if this isolation distance gives a greater separation distance than the road utility easement
Road utility easement, when no right-of-way is designated	10 ft - only if this isolation distance gives a greater separation distance than the normal road surface
Driveway or parking lot (edge of)	5 ft
Lot lines / Easements	10 ft
Watertight sewers and drains (more than five feet from outside the building foundation)	10 ft
Sewage treatment system (STS)	50 ft
Gray water recycling system (GWRS) components	50 ft
Leaching pits (not properly abandoned)	100 ft
Dry wells (not properly abandoned)	100 ft
Watertight vault privies	50 ft
Leaching privies	100 ft
Wastewater treatment plant	300 ft
Drainage wells	100 ft
Properly sealed wells	5 ft
Private water system well (constructed properly)	10 ft
Public water system well (constructed properly)	outside the sanitary isolation radius of the public water well – OAC 3745-9-04(B)(2)
Water wells or boreholes of unknown or unregulated unpermitted construction	50 ft
Vertical open loop geothermal system, sealed with grout materials	25 ft
Horizontal or vertical closed loop geothermal system, utilizing propylene glycol	25 ft
Horizontal or vertical closed loop direct exchange geothermal system with circulating refrigerant or a heat transfer antifreeze other than propylene glycol	50 ft
Horizontal or vertical geothermal system of unknown or undocumented construction	50 ft
Streams, lakes, ponds and other permanent bodies of water	25 ft
Storm water structure / special conduits / ditches with intermittent water flow	15 ft
Bulk salt storage piles	100 ft
Fuel operated motors used for well pumps without secondary containment	50 ft
Fuel oil, diesel, chemical, or gasoline storage tanks or other petroleum liquids (less than 1,100 gal)	50 ft
Fuel oil, diesel, chemical or gasoline storage tanks or other petroleum liquids (greater than 1,100 gallons without secondary containment)	300 ft
Natural gas or propane (LP/liquid propane) home heating tanks above or below ground	20 ft
Oil and gas wells or the oil and gas well pad	100 ft
Municipal solid waste, residential waste, industrial waste, and Class I, II, III solid waste composting facilities	1000 ft
Construction and demolition debris solid waste facility and Class IV solid waste composting facilities	500 ft
A regional storage facility or other bulk storage facility for biosolids (sludge)	300 ft
Grass pasture with large animals (with barrier around well component)	5 ft
Animal waste management facility located at major, large, or medium concentrated animal feeding facilities (AFF)	300 ft
Animal waste management facility located at an AFF <u>not</u> designated concentration as major, large, or medium	150 ft
Animal housing or holding pens with no grass cover, stables, manure piles, fabricated manure storage and animal waste or treatment buildings not located at an AFF	50 ft
Land application of septage waste, manure, or biosolids (sludge) stockpile, storage or staging area where the Ohio EPA has determined the aquifer has a high susceptibility to contamination	300 ft
Surface land application area for septage, biosolids (sludge), commercially land applied manure, or other similar materials previously approved by Ohio EPA or the board of health	200 ft
Subsurface incorporation application area using septage, biosolids (sludge), commercially produced manure, or other similar materials previously approved by the Ohio EPA or the board of health	100 ft
Storage or preparation area for commercial application of fertilizers or pesticides	150 ft



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Acknowledgement of requirements for the construction and use of ponds as a private water source

This completed form must be included with the *Application/Permit for a Private Water System* when you propose to have a pond installed or converted to a private water system. We will only consider issuing a permit upon evaluation of your request.

Owner's Name:	Phone:
Address or Location of Pond:	Township:
Reason(s) you are proposing to install or use a pond as a private water system (check all that apply): <input type="checkbox"/> Drilled wells in the immediate area have high levels of Sulphur in the water. <input type="checkbox"/> Drilled wells in the immediate area have very low sustained gallons per minute flow. <input type="checkbox"/> Other: Please read all of the information on <u>both sides</u> of this form, then sign & date below.	

The Henry County Health Department does not recommend the installation of ponds as a potable water source for the following reasons:

1. Water used to fill ponds may contain any/all of the following: pesticides, herbicides, nitrates, sewage effluent, livestock yard drainage, wild animal and fowl contamination, road drainage (accidental spills), and industrial and commercial drainage.
2. Water in pond is subject to contamination from surface runoff, subsurface drainage, and drifting agriculture pesticides and herbicide sprays.
3. Treatment of water will not be adequate to remove viruses, bacteria spores, cryptosporidium, giardia or chemicals.
4. The treatment system requires routine maintenance and must be continuously functioning as designed in order to properly filter and disinfect water used in the home.
5. Disinfectants will not kill cryptosporidium and giardia spores.
6. Ponds are subject to contamination from accidents or intentional sabotage.
7. Safety and liability issues are present due to accidental drowning, etc.

Finding an acceptable source of water to initially fill a pond can be very difficult. The preferred method is to allow the pond to fill with rainwater. This process can take several years. Another acceptable alternative is to fill the new pond with water from an existing pond over a period of time. The practice of removing water from a near-by drainage ditch, creek, or river to fill a newly constructed pond is prohibited due to the numerous unknown natural and man-made contaminants that are present in these sources.

Your signature below indicates that you have read, understand, and accept the inherent risks of utilizing a pond for a potable water source. It is your responsibility to disclose this information to future owners of this property.	
Signature	Date:

Ohio Administrative Code Rule 3701-28-14 | Location and construction of ponds.

- (A) Ponds shall be considered as a source of water for human consumption at the discretion of the board of health, only when available ground water sources are inadequate for the intended use or unacceptable due to the presence of naturally occurring or man-made contaminants that are not economically or technically feasible to treat, and on the ability of the property owner to meet all of the requirements of this rule. A pond shall not be acceptable as a new water supply source when a public water supply is readily accessible to the property, as determined by the board of health. The board of health may choose not to approve an application for a permit utilizing a pond for source water as a private water system if there is incomplete or inconclusive information about the suitability for a pond system at a specific site.
- (B) Surface water sources, including, but not limited to, rivers, streams, creeks, lakes, quarries, and drainage ditches shall not be considered for construction as private water systems because there is no control of the water source by the owner of the individual property. The board of health shall not consider a variance to this rule.
- (C) The pond and the watershed shall be under the complete control of the pond owner and the watershed shall be located on a parcel or parcels under one deed with the dwelling to which it is supplying water. A private water system pond may only serve one single family dwelling. If control of the watershed cannot be maintained on parcels under the same deed then other private water system sources shall be considered. The board of health shall not consider a variance to this rule.
- (D) The pond shall be located at the minimum distances from sources of contamination as specified in rule 3701-28-07 of the Administrative Code. In addition, the following criteria shall be met:
- (1) For purposes of this rule "watershed" means the area up gradient from the water supply that drains, channels, or otherwise directs surface water toward the water source;
 - (2) The watershed shall have a permanent growth of vegetation;
 - (3) The watershed shall be free of barns, poultry yards, sewage treatment systems, privies, orchards, cultivated fields, and other sources of contamination;
 - (4) The watershed shall not be used for pasture;
 - (5) Livestock shall be fenced or otherwise prevented from entering the pond and watershed area;
 - (6) The pond shall not be used for recreational purposes such as swimming, fishing, or boating;
 - (7) The minimum distance from the nearest building shall be ten feet; and
 - (8) Diversion ditches or similar devices shall be used to direct water of unsuitable quality out of the watershed and away from the pond.
- (E) Any person intending to install a pond to be used as a water source shall submit a plan to the board of health as required under paragraph (F) of rule 3701-28-03 of the Administrative Code. The pond and watershed shall conform to the following basic design criteria:
- (1) The watershed shall be of sufficient size to meet the requirements for pond water recharge based on local conditions as determined by the board of health. The board of health may require the watershed plan to be submitted by a professional engineer or soil scientist in accordance with paragraphs (F) and (G) of rule 3701-28-03 of the Administrative Code;
 - (2) The pond shall not be recharged by pumping water from field drain tiles or drainage ditches. Ponds shall not be recharged from on site wastewater system discharges, gray water systems, curtain drains, sump pumps or washing machines;
 - (3) The pond may be recharged from roof water runoff. The roof area may be calculated as part of the total watershed area if it is to be included as a recharge source;
 - (4) The pond may be filled by a water well constructed in compliance with this chapter and also meeting the following requirements:
 - (a) A threaded or smooth nose faucet shall be installed near the well for collecting a water sample from the well.
 - (b) If the well is to be converted into a private water system well for direct use for a residence or building, an alteration permit is required to be obtained in accordance with paragraph (C) of rule 3701-28-03 and the well shall meet all applicable requirements of this chapter at the time of the alteration.

Private Water System – Pond or Spring Construction Plan

This form is used *in addition* to the Permit Site Plan HEA 5204 as per OAC rule 3701-28-03 (E) and (F).
This form should be completed for the construction details of Ponds or Springs.

Property Street Address (include City and Zip Code)		Township	Health District	Henry County
Property Owner	PWS Contractor(s)		Form prepared by	

NOTE: This form may be used *in addition* to the Permit Site Plan HEA 5204 as per OAC rule 3701-28-03 (E) and (F).
Complete all of the following information for work to be performed.

 **N** Sketch or provide a topographic map section with proposed pond or spring location and indicate all water shed flow directions

Alternate cross section view for irregular shaped ponds

Private Water System – Disinfection/Filtration Systems Plan

This form is used in addition to the Permit Site Plan HEA 5204 as per OAC rule 3701-28-03 (E) and (F).

This form should be completed for Ponds, Cisterns, and Springs or any other system using continuous disinfection or filtration systems.

Property Street Address (include City and Zip Code)		Township	Health District
Property Owner	PWS Contractor(s)	Henry County	
		Form prepared by	

List and provide details of all applicable pumping and treatment devices. Neatly sketch and label the listed components in order from water source to the end of treatment.

Pond Intake:	Disinfection System:		Filtration System:	
<input type="checkbox"/> Floating	<input type="checkbox"/> Chlorine	<input type="checkbox"/> Ultraviolet	<input type="checkbox"/> Slow Sand	<input type="checkbox"/> Pressurized Rapid Sand
<input type="checkbox"/> Cased – Indicate depth casing to be set: _____	<input type="checkbox"/> Iodine	<input type="checkbox"/> Ozone	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Pre-coat

ID	Component	Make/Model #/Capacity/Dimensions	ID	Component	Make/Model #/Capacity/Dimensions
	Floating pond filter			Retention Tank 2	
	Water System Pump			Rapid Sand Filter	
	Pressure Tank			Slow Sand Filter	
	Coagulation Chemical Tank			Cartridge Filter(s) qty. _____	
	Chemical Pump 1			Cyst Reduction Filter(s) qty. _____	
	Retention Tank 1			Pre-coat Filter	
	Chemical Disinfectant Tank			Ozone Device	
	Chemical Pump 2			Ultraviolet Light	

→ FROM WELL POND, SPRING OR CISTERN