



## APPLICATION FOR NON-POTABLE WELL PROJECT

I certify that the information provided is complete and accurate. I acknowledge that I am the property owner or am acting as an authorized representative on behalf of the property owner. I understand it is the responsibility of the contractor or owner to contact Miss Dig at 811 or 800-482-7171 and comply with all requirements of the Miss Dig Underground Facility Damage Prevention and Safety Act before starting any excavation.

Applicant Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Property Information

Property Tax ID #	Township		
Property street address	City	Zip	

### Owner Information Check if this is the primary contact for the project

Name			
Street address	City	State	Zip
Phone	Email		

### Consultant/Driller Information Check if this is the primary contact for the project

Name			
Street address	City	State	Zip
Phone	Email		

### Project Description

Provide a scaled site plan (ideally 1:40 scale) that shows well location(s), major features of the property, contamination sources, and utilities.

Check one:  Non-Residential/Commercial     Residential     Municipal/Right-of-Way

Project Description (attach additional pages as necessary): \_\_\_\_\_

Name of site (if well is being drilled as part of a site investigation or clean-up): \_\_\_\_\_

### Type of Non-Potable Well

Fee per Well	
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Dewatering Well
<input type="checkbox"/> Extraction Well	<input type="checkbox"/> Injection Well
Number of Wells: _____ x \$ fee/each	
Casing Diameter: _____ in.	
Estimated Well Depth(s): _____ ft.	
Fee per Parcel	
<input type="checkbox"/> Direct Push Borings	
<input type="checkbox"/> Closed-Loop Geothermal Borings	
Number of Borings: _____	
Boring Depths: _____ ft.	
Fee per Part 127 Well	
<input type="checkbox"/> Irrigation, Industrial or Pond Well	
<input type="checkbox"/> Open-Loop Geothermal – Supply Well	
<input type="checkbox"/> Open-Loop Geothermal – Return Well	
System Capacity: _____ gpm	
For Systems >70 gpm, LQW Registration Number:	
_____ - _____ - _____	

### Office Use Only

Project #	CSS
Case #	Sanitarian

### Receipt

# Instructions for Completing Application for Non-Potable Well Project

**An application will only be accepted if complete and if it includes all required documentation as noted below. Please contact the Washtenaw County Environmental Health Division at 734-222-3800 with questions.**

A **scaled site plan** must be submitted with your application showing the proposed well location(s) in relation to contamination sources. The site plan should include: property lines; existing and proposed structures and roads; all wells; septic tanks; drainfields; privies; sanitary sewer; storm sewers and drains; water main; surface water; chemical/fertilizer storage; fuel tanks (above ground and below ground); oil pipelines; and animal yards/kennels/chicken coops; etc. The County's Map Washtenaw interactive mapping application can be used to create a site plan by visiting <http://washtenaw.org/MapWashtenaw>.

The **Project Description** should describe the number and intended use for the well(s); such as to fill a pond, to water livestock, irrigate crops, or process water for manufacturing. Open-loop geothermal systems should describe what will be done with the discharge water (discharge to groundwater, surface water, or ground surface). The description should include basic system set-up (will a pressure tank or yard hydrants be installed and what backflow preventers will be utilized).

## **Non-Potable Well Fee Structures:**

**The fee per well** applies to monitoring wells, extraction wells, injections wells and dewatering wells. Dewatering wells where the inside casing diameter is not more than 2 inches and the total depth of the casing not more than 25 feet are exempt from permitting.

**The fee per parcel** applies to:

- Closed-loop geothermal heat exchange borings
- Direct-push borings for the extraction of groundwater where no casing is set

Only one fee is charged for as many borings as you want installed on the same parcel (boring number specified on the application).

**The fee per Part 127 well** refers to wells that are regulated under the Michigan Water Well Construction and Pump Installation Code (Part 127 of Act 368, PA 1978 and Administrative Rules). These wells require a pre-drilling site inspection to ensure that the proposed well location is properly isolated from contamination sources. These wells include irrigation wells for farming and watering livestock, wells used to maintain the levels of ponds, industrial wells to supply coolant water, and open-loop geothermal supply and return wells.

**Backflow preventers** are required to protect the source water aquifer from contaminants being drawn backward through the water supply system during backflow conditions. Examples of backflow preventers include pressure vacuum breakers on irrigation systems or reduced pressure principle backflow assemblies (RPZs) on industrial equipment. Pond filling inlets must be air-gapped above the highest rim of the pond. Yard hydrants must be outfitted with hose bib vacuum breakers and hydrants with buried stop-and-waste valves shall not be installed without additional backflow protection for the source water.

A Michigan Department of Environmental Quality (MDEQ) permit will be required if a geothermal system is installed in a wetland, floodplain, river, lake or critical dune area. Also, if the system installation is within 500 feet of a water body, a soil erosion permit must be obtained from the appropriate soil erosion agency. An onsite wastewater permit or a groundwater discharge permit may be required depending on system specifications.

If the system capacity is estimated to be 70 gallons per minute (gpm) or greater, the withdrawal must be registered as a **Large Quantity Withdrawal (LQW)** with the MDEQ. LQW's can be registered using the DEQs Water Withdrawal Assessment Tool, available online: <http://www.deq.state.mi.us/wwat>.

**Questions?** Please contact your well driller or call 734-222-3800 to speak with a sanitarian.