

SOURCE PERMIT APPLICATION

This application initiates the Water Supply Division's review and permitting process for source development of Groundwater and Surface Water Source(s) to serve a Proposed or Existing Public Community Water Supply.

A site visit will be scheduled following receipt of a complete application.

Return application to the address at the bottom of the last page

WSD use only: WSD Project ID #: _____ Associated WSID #: _____
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	Code	Date
1. Town:		
2. Project Name:		
3. Owner Name:		
Mailing Address:		
Owner Phone:	E-mail:	
4. Engineer:		
Mailing Address:		
Engineer Phone:	E-mail:	
5. Hydrogeologist:		
Mailing Address:		
Hydrogeologist Phone:	E-mail:	

6. Project Information:		
i. <input type="checkbox"/> New Water System ii. <input type="checkbox"/> Change to Existing System iii. <input type="checkbox"/> Bottled/Bulk Water Facility		
iv. Please provide a brief description of the project:		

7. Source Type:		
<input type="checkbox"/> Bedrock Well <input type="checkbox"/> Gravel Well <input type="checkbox"/> Spring <input type="checkbox"/> Surface Water <input type="checkbox"/> Other,		

8. Describe methods used to choose site (i.e. fracture trace, geophysics, setbacks). Please submit supporting information.

9. Project Demand and supporting calculations: gpd gpm		
10. Peak Factor:		
11. USGS 7.5 minute topo map and orthophoto with:		
i. proposed source location(s) labeled with unique source ID letter(s)		
ii. investigation radius (see instructions)		
iii. location of potential sources of contamination		

12. Site plan with:		
i. Proposed and current location(s) labeled with unique source ID letter(s)		
ii. name of all landowners adjoining the parcel(s) containing the proposed source location(s)		
iii. attach adjoining landowner's name, address and phone number		

13. Proposed source design plans		
14. Preliminary engineering plans for final development		
15. Attach fee; payment by check or money order made payable to the State of Vermont		

NOTE: Each application for a new source requires public notification. The applicant will be issued an Approval For Public Notice letter by the WSD following our site inspection. Attached to our Approval For Public Notice letter will be a letter and a site map which the applicant will send to all landowners with property adjoining the parcel(s) containing the proposed source location(s). The WSD will provide the opportunity for written public comment and a public hearing.

I recognize that by signing this application I am giving consent to employees of the State to enter the subject property for the purpose of processing this application.

Signature of Owner or Responsible
Municipal Representative

Date

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WSD codes:

C = completed **NR** = not required **IR** = information required **TBD** = to be determined

SOURCE APPLICATION FORM

Instructions

Applicant shall provide the following information:

1. Town in which project is located.
2. Name of project (Please notify the Water Supply Division if project name changes).
- 3.-5. Names, mailing addresses, work and/or home phone numbers, and e-mail of the project owner, consulting engineer, and hydrogeologist.
6. Project Information:
 - i. new water system, i.e. new source.
 - ii. additional source, change in yield, drilled source deeper or hydrofracturing.
 - iii. Bulk or Bottled Water source.
 - iv. Description: include **Project Type** - municipal, privately owned. **User Type** - condominium, municipality, subdivision, expansion, change in use; type of septic facilities; etc.
7. Check appropriate source type or provide description (gravel wells include all dug or drilled wells in unconsolidated materials).
8. Include maps, calculations, graphs, etc.
9. Calculated project demand in both gallons per day and gallons per minute [**Ave. Day Demand (DD) gpd** x Peaking Factor = Max DD; Max DD divided by 1440 min/day = **Max DD gpm**]. For Design Demand Criteria, see Vermont Public Water System Standards. Metered demand or population data can be used for municipalities.
For Bulk/Bottled Water: **Wells**; Maximum bottling rate in both gallons per day and gallons per minute (**Max bottling rate gpd** divided by 1440 min/day = **Max bottling rate gpm**). **Springs/Surface Water**; No project demand is required, however, minimum stream flow requirements need to be evaluated.
10. Peaking factor calculated from water use metering data for the project (see VT Public Water System Standards). If not available use a peaking factor of 2. A peaking factor is not applied to sources used for Bulk or Bottled Water. **The maximum bottling rate or volume will be used for these calculations.**
11. USGS 7.5 minute series topo map and orthophoto (with contours, if available):
 - i. location of existing source(s) and/or proposed source(s).
 - ii. location of each source (proposed or existing) with appropriate radius circle drawn around each one (see table below). **Note:** For surface water sources show intake(s) location, elevation, and watershed boundary.
 - iii. location of **all potential sources of contamination** (PSOC) within **each** radius as delineated in ii above (A map at larger scale may be needed).
 - a) **For surface water sources:** identify PSOC's within the watershed boundary.

- b) ***For groundwater sources:*** identify all potential sources of contamination within the distance determined from the following table: ***(Pump test rate or project demand, whichever is larger, must be used).***

<u>Pump test rate/ Project demand</u>	<u>Gravel or Rock Well, Spring, Other</u>
0 - 20 gpm	2000 ft
20+	3000 ft

Information on potential or existing sources of contamination, to include identification of existing and likely future land use practices (within next 2 years), should be gathered from ***at least:***

- a) Vermont Agency of Natural Resources - Solid Waste Management Division, Hazardous Materials Division, Protection Division. (include identification of permits issued for land use activities not yet constructed).
 - b) Field investigations.
 - c) Local residents (identify existing and likely agricultural land uses).
12. The most current site plan with the 200 foot radius circle (source isolation zone) around each source and the following:
- i. proposed and current source location(s) labeled with unique source ID letter(s). (For existing sources use current designations).
 - ii. names of all landowners adjoining the source isolation zone for all the proposed source location(s). Show all property boundaries.
 - iii. attach a list of the names, addresses and phone numbers of all adjoining landowners (from ii above).
13. Source construction plans which show that each source is, or will be, constructed to WSD standards. If the source is located greater than 150 feet from surface water and has greater than 50 feet of grouted casing then it will be eligible for an exemption from microscopic particulate analysis (MPA) testing.
14. Engineering plans which show the project layout including septic systems, roads, parking areas, buildings, recreational facilities, proposed and existing water sources, sewer lines.
15. Any system involving a new source will be charged \$615.00 application fee as required by 10 V.S.A., Chapter 56. The initial application fee will cover a single (1) Source. A \$615.00 fee will be required for each additional Source prior to the source being permitted. A \$615.00 fee is charged for each existing source that is, or is proposed to be, drilled deeper or hydrofractured.

Honorable Jim Douglas, Governor George Crombie, ANR Secretary Jeffrey Wennberg, DEC Commissioner

This (fact sheet/form/application) and related environmental information are available electronically via the internet. For information visit us through the Vermont Homepage at <http://www.vermont.gov> or visit VT WSD directly at <http://www.vermontdrinkingwater.org>

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