

Producer:

Project or Contract:

Location:

County:

Farm Name:

Tract Number:

Practice Lifespan – 1 year



Definition: Testing the physical, biological, and chemical quality of groundwater from a water well or spring.

Practice Purpose(s):

This practice is used to accomplish the following purpose:

- To determine the quality of a groundwater supply with respect to its intended use.

Description of work:

Conditions Where Practice Applies:

This standard applies to groundwater from a production well or spring used for agricultural or wildlife purposes.

This practice does not apply to monitoring wells installed to sample, monitor, or test groundwater quality parameters related to contamination associated with waste management systems.

General Criteria Applicable to All Purposes:

- Select the parameters for testing consistent with the intended use or concerns identified with the well or spring.
- Use sampling and testing procedures that comply with the Environmental Protection Agency's "[Manual of Methods for Chemical Analysis of Water and Wastes](#)."

A map(s) showing all fields and locations planned for Groundwater Testing is attached.

If you have questions about this planned conservation practice contact:

| | | | | | |
|-------|--|------|--|--------|--|
| Name: | | Tel: | | Email: | |
|-------|--|------|--|--------|--|

NRCS Review Only

Designed By:

Date

Checked By:

Date

Approved By:

Date

355 – Groundwater Testing Implementation Requirements

1. Vermont DEC water well number or ID (if applicable): _____ Well/Spring Depth: _____
2. Field #: _____ Water Source GPS location has been collected and is shown on attached plan map.
3. Site specific description of water source (*document aquifer characteristics, geology*): _____
4. Construction method used to install the well or spring development: _____
5. Date of Well or Spring installation: _____
6. Planned use of the water: _____
7. Sources of potential contamination (*such as surface water, septic systems, chemical storage facilities, landfills, roads, animal waste storage or treatment facilities, or naturally occurring sources of contamination*): _____
8. Water quality concerns: _____ Known _____ Suspected _____
9. Identify process for water sampling:
 - a. Collection: _____
 - b. Storage: _____
 - c. Transport: _____
10. Type of Groundwater Test to be conducted (check one that applies):

Basic Water Test: (includes at a minimum—Coliform, e.Coli, Total Dissolved Solids (TDS), pH, Hardness, Ca, P, Mg, K Na, Fe, Zn, Cu, Mn, Mo, Chlorides, Sulfates, Nitrates)

Specialty Water Test: Basic water test parameters plus specific pesticide(s), inorganic chemicals or volatile organics not included in a basic water test

Specific Testing Requirements:

Full Spectrum Test: Basic water test parameters plus a comprehensive testing for a broad spectrum of pesticides, inorganic chemicals or volatile organics not included in a basic water test.

11. Laboratories available for this service can be found online through Vermont Agency of Agriculture and Markets: [Agricultural Water Testing Labs in Vermont and Neighboring States](#). This factsheet provides contact information for laboratories in Vermont and neighboring states that offer agricultural water testing services. *A listing does not constitute endorsement or recommendation by the Vermont Agency of Agriculture, Food and Markets (VAAFM). Listings are subject to change and growers should contact labs directly for further details.*
12. Submit the water test analytical results from the qualified testing lab to NRCS upon receipt. Send to:
Email: _____
Mailing Address: _____

Operation and Maintenance:

- Refer to the attached Operation and Maintenance Plan.

355 – Groundwater Testing Implementation Requirements

Groundwater Testing Implementation Data: (Required for practice certification)

1. Name and title of person who collected samples:
2. Depth interval where sample was taken:
3. Date and time of water sampling:
4. Type of sampler and volume of sample:
5. Date of water quality analyses:
6. Name and address of laboratory that performed analyses:
7. Schedule of additional testing, if required by the applicable water quality standard:
8. Observations of well or spring condition at time of sampling:
9. Laboratory results received date:
10. Provide this data to your NRCS Representative:

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