

**STATEMENT OF WORK
Groundwater Testing (355)
Wyoming**

These deliverables apply to this individual practice. For deliverables for other planned practices, refer to those specific Statements of Work.

Items that are marked **(TSP or Non-NRCS Engineer)** need to be completed only if design is provided by a TSP or Non-NRCS Engineer. Items that are marked **(NRCS Employee)** need to be completed only if design is provided by an NRCS Employee. All other items are required by all designers.

DESIGN

Deliverables and Documentation Requirements:

1. Design documentation that demonstrates that the criteria in the NRCS conservation practice standard have been met and are compatible with other planned and applied practices. Include:
 - a. Identification of client needs, documentation of discussion with client, and a recommended method of resolution.
 - b. Practice purpose(s) as identified in the conservation plan.
 - c. Location of planned practice application shown on a farm or ranch plan map.
 - d. Verify with the Field Office conservation planner that all concerns under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA) have been adequately addressed.
 - e. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. List of methods/procedures of water testing
 - ii. The name of State Certified Laboratory conducting the testing
 - iii. Potential sources of contamination
2. Operation and Maintenance Plan.
3. Written plans and specifications shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits including but not limited to:
 - a. Document the location and depth of supply.
 - b. Document aquifer characteristics, geology, and history of site relative to 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.
 - c. Document the construction method used to install the well or spring development.
 - d. Include a description of the collection process, storing, transporting, and testing samples, and the reporting of test results.
 - e. Cooperator's signature of review and acceptance to complete the groundwater testing according to the plans and specifications.
4. Certification that the design meets NRCS standards criteria and is in compliance with applicable laws and regulations (NEM Part 505 - Non-NRCS Engineering Services, Subpart A - Introduction, 505.0 and 505.3). **(TSP or Non-NRCS Engineer)**
5. Engineering job classification is shown and proper engineering approval is obtained. **(NRCS Employee)**

INSTALLATION

Deliverables and Documentation Requirements

1. Pre-testing conference with client and contractor.
2. Facilitate and implement required test design modifications with client and original designer.

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CHECK OUT

Deliverables and Documentation Requirements

1. Date, time, location of water testing and method(s) used for water sampling.
2. Date, time of water test analysis.
3. Certification that the water testing was conducted by a State Certified Laboratory.
4. Test results and interpretations.
5. Certification that the testing meets NRCS standards and specifications (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3). **(TSP or Non-NRCS Engineer)**
6. Statement of compliance signed by NRCS personnel with applicable job approval authority that the work meets the plans and specifications. **(NRCS Employee)**
7. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Groundwater Testing, Code 355.
- NRCS National Engineering Manual (NEM)