

Stream Protection Well

Definition/Purpose

A Well means constructing a drilled, driven or dug well to supply water from an underground source as part of a stream protection system. (DIP)

Policies

1. Pumps, Solar Pumps, and Wells must have a qualifying statement that they will be used for agricultural use only.
2. Installation of the well must include wellhead protection. The following measures should be taken where applicable:
 - a. Divert all surface runoff, precipitation, and drainage away from the wellhead.
 - b. Protect the wellhead and associated appurtenances from contamination or damage by wildlife, livestock, farm machinery, vehicle parking, or other harmful human activity.
3. An adequate covering over the well head and pressure tank must be installed to prevent freezing.
4. Cost share for pumps for wells includes all costs associated with installation including the cost of getting electricity to the pump and is based on actual cost.
5. The solar powered pump installation is limited to sites where there are site constraints, or it is cost prohibitive to provide electricity to the pump. The pump cost includes a submersible pump, photovoltaic panels, control box, support structure, pump cable, drop pipe, and fittings to make up plumbing at the pump.
6. Temporary or portable generators are not an allowable source of electricity for wells. In cases of emergency, cooperators may contact their district and request a temporary exception. Duration of exception will be determined by the district and supporting notes will be included in the contract file. Emergencies may be defined as power outages or solar panel repairs.
7. Permits are a cost-shareable component for this practice in counties where agricultural wells are not exempt from permit fees. A copy of the permit, receipt of the permit fee, and any supporting water quality reports associated with the permit are required to be kept in the district's contract file.
8. Cooperators are responsible for obtaining and complying with all required permits and local requirements, including water use reporting and registration with DWR, if applicable.
9. Well repairs that bring unusable wells back into operation that are part of a new stream protection system are cost sharable, including a pump if needed. "Unusable wells" are those that have structural failures that require repairs in order to access water.

Agriculture Cost Share Program

10. Excluding repairs authorized under the [Cost Share Programs Repair Policy](#); new pumps, replacement pumps, repairs to pumps and pump components for existing wells that are in working order, are not cost shareable.
11. New wells and well repairs must be completed by a well contractor certified by the North Carolina Well Contractors Certification Commission.
12. The “Wells for Livestock Watering Site Evaluation Sheet” and/or the “Wells for Irrigation Site Evaluation Sheet” shall be used as a minimum requirement for planning and design documentation.
13. A Well Construction Record Form (GW-1) completed and signed by a well contractor certified by the North Carolina Well Contractors Certification Commission shall serve as adequate construction approval for wells.
14. Proper documentation of the information provided by a Certified Well Contractor, on the Pump Installation Information Plate shall serve as adequate construction approval for the well pump.
15. Design and construction approval for pumps, not installed by a Certified Well Contractor, must be granted by NRCS or SWCD staff with appropriate JAA, a Professional Engineer or technical specialist with Irrigation (I) designation.
16. Where a well contractor certified by the North Carolina Well Contractors Certification Commission determines alternative casing is required by 15A NCAC Subchapter 02C Well Construction Standards the additional cost is eligible for cost share assistance.

| STREAM PROTECTION WELL | |
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| Maintenance Period | 10 years |
| BMP Units | EACH |
| Required Effects | ACRES_AFFECTED ANIMAL TYPE ANIMAL UNITS |
| JAA | Site Evaluation Sheet (for contract approval) Well Check-out Sheet AND GW-1 (for RFP approval) OR ENG - 642 - Water Well ENG - 533 - Pumping Plant |
| NRCS Standards | ENG - 642 - Water Well, ENG - 533 - Pumping Plant |
| CS2 Reference Materials | NC-ACSP-11 Signature Page Map with BMP location, fields, and roads Wells for Livestock Watering Site Evaluation Sheet Cooperator Acknowledgement Form For RFP: Well Construction Record Form (GW-1) Water Supply Well Check Out Sheet Itemized Pump Receipts (summarized) |