

Water Well and/or Pumping Plant for Irrigation Purposes Site Evaluation Sheet

Cooperator Name:

County:

Contract Number:

Intended Well Purpose

Date

Wells may be sited by a North Carolina licensed well driller, well permitting agency representative and/or other qualified persons. **For all cost shared wells** – The site MUST be concurred with / approved by a NRCS, District or Division representative having proper job approval authority.

The following criteria shall be observed by the individual making the well site recommendation.

1. Please check each box to confirm that the proposed well location meets required setback distances from sources of contamination [the greater of NRCS Standard 642 or N.C. State Law]. Note: Some county regulations are more restrictive; you must use the most restrictive rule which applies to your well.

Sanitary landfill: 500 feet

Waste disposal lagoon or holding pond: 300 feet

Pit silo: 150 feet

Septic tank and disposal field: 100 feet

Permanent Livestock feeding area (concrete pads or heavy use areas, etc): 100 feet

Livestock barn: 100 feet

Manure pile: 100 feet

Waste irrigation sites: 100 feet

Fertilizer, pesticide or other chemical storage areas: 100 feet

Non-hazardous / Inert debris landfills (stump dumps): 100 feet

Gravity sewer line or transfer station (non-water tight): 100 feet

Regulated fuel or chemical storage tanks (without secondary containment): 100 feet

Agrichemical handling and mixing facility: 100 feet

Regulated fuel or chemical storage tanks (with secondary containment): 50 feet

Gravity sewer line or transfer station (water tight): 50 feet

Heating fuel storage tanks – above and below ground: 50 feet

Ponds, lakes, reservoirs: 50 feet

Other possible sources of contamination (livestock watering tank, equipment wash areas, etc.): 50 feet

Streams, creeks, rivers, etc.: 25 feet

Building foundations: 25 feet

2. If possible, wells shall be located in ground that is higher in elevation than any source of contamination.

3. Wells shall NOT be located in an area generally flooded or where surface flow of any volume should be expected. Areas to be avoided include – concave slope, alluvial or colluvial soils, gullies, depressions and drainage ways.

4. Surface runoff that might reach the well from any area used by livestock shall be diverted away from the well head.

5. Areas with overhead and/or underground utilities should be avoided.

6. Wells must be readily accessible for maintenance and repair.

7. If required, well shall be permitted, inspected and sampled by the county health department.

NRCS/District Representative

Date

Planning

1. GIS Map showing location of proposed Water Well/Pump. Include the 100 yr. floodplain and any other hazard (see Water Well Job Sheet) to verify that well is not located in those areas.

Completed

2. Latitude of proposed water well/pump location:

3. Longitude of proposed water well/pump location:

4. Pumping Plant minimum flow rate and total head requirements are based on preliminary irrigation plan.

Completed

5. Is well located in the Central Coastal Plain Capacity Use Area (CCPCUA) and/or does it have a Local Permit Number (if required)? *(Note: CCPCUA permit required if planned pump/well operation exceeds 100,000 gallons/day*)*

Yes

No

*Compute daily planned pumping volume using irrigation design flow rate:

_____ GPM X 60 Min/hr. X _____ hours per day of expected operation = _____ gallons/day.

If the pump/well is to be used for pond re-charge or any other planned 24 hour operation, then the 100,000 gal/day threshold for a CCPCUA permit being required is met with pump/well capacity exceeding 69 GPM.

6. Applicable Job Sheets (642 - Water Well and/or 533 - Pumping Plant).

Completed

7. Operation & Maintenance Plans are prepared, as applicable

Completed

8. Documented Planning/Site Approval from reviewer with adequate Job Approval Authority (JAA).

Completed

9. Submitted NRCS Request for Cultural Resources Review and received approval to proceed with Conservation Planning activities.

Approval received