

STATEMENT OF WORK
Irrigation Water Management (449)
Kansas
August 2004

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These deliverables apply to this individual practice. For other planned practice deliverables, refer to those specific statements of work.

DESIGN

Deliverables

1. Design documentation that will demonstrate that the criteria in the Natural Resources Conservation Service (NRCS) practice standard has been met and is compatible with other planned and applied practices
 - a. Practice purpose(s) as identified in the conservation plan
 - b. List of required permits to be obtained by the client
 - c. Compliance with NRCS national and state utility safety policy (National Engineering Manual [NEM] Parts 503.00 through 503.06)
 - d. List of facilitating practices
 - e. Practice standard criteria-related computations and analyses to develop irrigation development plan (IDP), irrigation water management (IWM) plan, and specifications including but not limited to the following (Form KS-ENG-390, Irrigation Water Management - 449, or equivalent):
 - i. Volume of water (per irrigation and per season)
 - ii. Frequency of irrigation
 - iii. Application rate and depth of application
 - iv. Environmental considerations
2. Written plans and specifications (including sketches and drawings) shall be provided to the client that adequately describe the requirements to manage the practice and obtain necessary permits
3. Operation and maintenance plan
4. Certification that the irrigation development plan (IDP) meets practice standard criteria and complies with applicable laws and regulations (NEM Part 505.03(b)(2))
5. Application modifications as required
6. If enrolled in a conservation program, this practice must meet all conditions and requirements of program enrollment that may exceed the practice standard. This would include using an evapotranspiration (ET)-based program.

INSTALLATION

Deliverables

1. Pre-irrigation season application conference with client
2. Verification that client has obtained required permits
3. Installation guidance as needed for soil moisture sensor equipment used
4. Facilitate and implement required application modifications with client and original designer
5. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws and regulations and NRCS policies during installation and at the end of the irrigation season
6. Certification that the application and management process meet IDP and permit requirements

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CHECKOUT

Deliverables

1. Application documentation (Form KS-ENG-390, Irrigation Water Management - 449, or equivalent) and ET-based summary sheet (KanSched summary sheet or equivalent for other ET-based scheduling programs)
 - a. Extent of practice units applied
 - b. Actual amount of water applied during the growing season
2. Certification that the application meets NRCS standards and specifications and is in compliance with permits (NEM Part 505.03(c)(1))
3. Progress reporting

REFERENCES

- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 449, Irrigation Water Management
- NRCS National Engineering Handbook Part 652, Irrigation Guide
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- Mobile Irrigation Lab Tool Kit and Resources CD, K-State Research and Extension