

**STATEMENT OF WORK**  
**Nutrient Management (590)**  
**Kansas**  
**November 2007**

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

## **DESIGN**

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### **Deliverables**

1. Design documents that demonstrate criteria in the Natural Resources Conservation Service (NRCS) practice standard have been met and are compatible with planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan
  - b. List of required permits, if needed, to be obtained by the client
  - c. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to the following:
    - i. Results of applicable sampling, analyses, and tests provided by the client
    - ii. Realistic yield goals for the crop(s) to receive nutrient applications
    - iii. Planned nutrient and soil amendment application rates, methods, and timing of application in balance with the nutrient budget
    - iv. Site risk assessment for phosphorus transport when manure or other organic materials are a source of nutrients
    - v. Other requirements applicable to manure or organic materials, non-point source pollution, soil condition, and air quality
2. Written plans and specifications shall be provided to the client that adequately describe the requirements to implement the practice and obtain necessary permits. Plans and specifications include:
  - a. Maps that identify areas on which nutrients will be applied
  - b. Location of setbacks or other sensitive areas with nutrient application restrictions
  - c. Guidance for nutrient applications on setbacks or other sensitive areas
  - d. A nutrient budget for nitrogen, phosphorus, and potassium that compares recommended to planned nutrient application rates
  - e. Guidance for operation and maintenance plan
  - f. Other requirements listed in Conservation Practice Standard 590, Nutrient Management
3. Certification that the design meets practice standard criteria and complies with applicable laws and regulations
4. Design modifications during installation as required
5. Use Form KS-ECS-590, Nutrient Management - 590. Complete page 1 and Table 1 on page 2.
6. If enrolled in a conservation program, this practice must meet all conditions and requirements of program enrollment that may exceed the practice standard.
7. Sign and date the Technical Service Provider/NRCS Nutrient Management Plan (NMP) design block.

## **INSTALLATION**

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### **Deliverables**

1. Pre-implementation conference with client to review the plan
2. Verification that client has obtained required permits if required for installation
3. Location of and communication of setback requirements for wetlands, water bodies, streams, and other nutrient-sensitive areas
4. Installation guidance as needed
5. Facilitate and implement required design modifications with client and original designer

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6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws and regulations and NRCS policies during installation
7. Using Form KS-ECS-590, the producer certifies the NMP has been discussed and agrees by signing and dating the producer signature block.

## **CHECKOUT**

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### **Deliverables**

1. Records of implementation
  - Extent of practice units applied - acres will be reported in the Producer Implementation Statement portion of the Form KS-ECS-590.
2. Guidance for record keeping (implementation records maintained by the producer or agent)
  - a. Records of crops produced, planting and harvest dates, yields, and residue management
  - b. Records of recurring soil tests and other tests (for example, manure, plant tissue, and water) used to implement the plan
  - c. Records of recommended nutrient application rates
  - d. Records of nutrient applications including quantities, analyses, sources of nutrients applied, and dates and methods of application
  - e. Records of recurring review of the plan including the dates of review, individual performing the review, and recommendations that resulted from the review
  - f. Upon completion of Conservation Practice 590, the producer will certify practice completion by signing and dating the "Producer" block in the "Certification" portion of Form KS-ECS-590 and provide to NRCS.
3. The planner will maintain for five (5) years all records and support materials needed to determine the application form, rate, method, timing of application, and incorporation of nutrients (for example, current soil test, Kansas Site Assessment Index-Phosphorous, etc.)
4. Certification that the application meets NRCS standards and specifications and is in compliance with permits
5. NRCS approval – to certify the NMP was designed by certified planner, ensure producer has signed NMP, and has been implemented as detailed
6. Progress reporting

## **REFERENCES**

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- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 590, Nutrient Management
- NRCS General Manual Title 450, Section 401.03 (Technical Guides, Policy and Responsibilities) and Title 190, Part 402 (Ecological Sciences, Nutrient Management, Policy)
- NRCS National Planning Procedures Handbook (NPPH), Comprehensive Nutrient Management Plan (CNMP) Technical Guidance Document
- NRCS National Agronomy Manual, Part 503
- NRCS National Engineering Handbook, Part 651, Agricultural Waste Management Field Handbook, Chapter 4, Agricultural Waste Characteristics
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook