

STATEMENT OF WORK
Nutrient Management (590)
Issued: May 28, 2004
Contact: State Agronomist at 701-530-2078

DESIGN

Deliverables

1. Design documents that demonstrate criteria in NRCS practice standard have been met and are compatible with planned practices.
 - a. Practice purpose(s) as identified in the assistance notes.
 - b. List all required and/or facilitating practices.
 - c. List of required permits, if required, to be obtained by the client.
 - d. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Record design soil and soil loss calculations on the wind loss spreadsheet and the RUSLE2 printout.
 - ii. Results of applicable sampling, analyses, and tests provided by the client. (May include soil, manure, and other test results).
 - iii. Realistic yield goals for the crops in the rotation for the field to receive nutrient applications.
 - iv. Planned nutrient and soil amendment application rates, methods, and timing of application in balance with the nutrient budget.
 - v. Record the design soil for the risk assessment and the Phosphorus Index for phosphorus transport when manure or other organic materials are a source of nutrients.
 - vi. 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 describes the requirements to implement the practice and obtain necessary permits. Plans and specifications include:
 - i. Aerial photo, scaled sketch, or arc view image showing location
 - ii. Soils map and legend
 - iii. Legal description of application site (to ¼ -section level or closer)
 - iv. Extent planned (acres) in the producers conservation plan
 - v. Maps that identify areas on which nutrients will be applied
 - vi. Location of setbacks or other sensitive areas with nutrient application restrictions
 - vii. Guidance for nutrient applications on setbacks or other sensitive areas
 - viii. A nutrient budget for nitrogen, phosphorus, and potassium that compares recommended to planned nutrient application rates
 - ix. Other requirements listed in the conservation practice standard Nutrient Management (Code 590)
 3. Certification and signature that the design meets NRCS standards and specifications and complies with applicable laws and regulations.
 4. Design modifications during application as required.
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INSTALLATION

Deliverables

1. Pre-implementation conference with client to review the plan.
 2. Verification that client has obtained required permits, if required for application.
 3. Location of and communication of setback requirements for wetlands, water bodies, streams, and other nutrient-sensitive areas.
 4. Application guidance as needed.
 5. Facilitate and implement required design modifications with client and original designer.
 6. Advise client/NRCS on compliance issues with all Federal, State, tribal, and local laws, regulations and NRCS policies during application.
 7. Certification and signature that the design meets NRCS standards and specifications and permit requirements.
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CHECKOUT

Deliverables

1. Records of application.
 - a. Extent applied (acres) in the producers conservation plan.
 2. Guidance for record keeping (implementation records maintained by the producer or agent).
 - a. Records of crops produced, planting and harvest dates, yields, residue management.
 - b. Records of recurring soil tests, and other tests (e.g. manure, plant tissue, water) used to implement the plan.
 - c. Records of recommended nutrient application rates.
 - d. Records of nutrient applications including quantities, analyses, and sources of nutrients applied; 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.
 3. Certification and signature that the application meets NRCS standards and specifications and permit requirements.
 4. Record progress reporting according to NRCS policy.
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REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Nutrient Management, 590 and 590 Design and Installation Guide
- NRCS General Manual Title 450, Part 401.03 (Technical Guides, Policy and Responsibilities) and Title 190, Part 402 (Ecological Sciences, Nutrient Management, Policy)
- NRCS National Agronomy Manual (NAM) Section 503
- NRCS Agricultural Waste Management Field Handbook, Chapter 4 – Agricultural Waste Characteristics
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook