

**STATEMENT OF WORK**  
Amendments for Treatment of Agricultural Waste (591)  
Iowa

**These deliverables are the minimum requirements that apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

## **DESIGN**

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### **Deliverables:**

1. Conduct a pre-design meeting with client.
2. Design documents that demonstrate criteria in practice standard have been met and are compatible with planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan.
  - b. NEPA requirements have been met and documented on the IA CPA52 (i.e. cultural resources and T&E species).
  - c. Documentation that adequate land rights have been obtained if needed.
  - d. List of required permits to be obtained by the client.
  - e. Compliance with NRCS national and state utility safety policy (NEM Part 503 – Safety, Subpart A – Engineering Activities Affecting Utilities, Section 503.00 through 503.22 and NEM 503.02(d)).
    - i. A note on the drawings stating that the contractor is responsible for calling Iowa One Call at 1-800-292-8989 at least 48 hours prior to beginning any excavation work.
  - f. Practice standard substantiating data, computations, and analyses to develop plans and specifications including but not limited to:
    - i. Amendment validation by an independent entity
    - ii. Hydraulics and storage volumes for treated wastes or byproducts
    - iii. Structural and Mechanical and Appurtenances.
    - iv. Environmental Considerations (e.g. air quality, biosecurity)
    - v. Safety Considerations (NEM Part 503 – Safety, Subpart A, 503.06 through 503.12).
3. Written plans and specifications including sketches and drawings (location map, plan view, profiles, cross-sections, and details) shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
  - a. The site plan view shall include but is not limited to: location of practices installed and structures for amendment storage, handling, and application.
  - b. IA-5 Pollution Control Construction Specification is to be included on all projects.
  - c. Bill of Materials and Itemized Cost Estimate.
4. Design Report and Inspection Plan as appropriate (NEM Part 511, Design Documentation, 511.11 and Part 512, Construction, 512.30 through 512.32).
  - a. The design report shall include, but not be limited to the following: summary of project objectives, site assessment, and design documentation from item 2 listed above.
  - b. The inspection plan must describe the type and frequency of testing, items requiring inspection, the documentation required, and the qualifications of the person doing the work.
5. Operation and maintenance plan.
6. Provide an anticipated installation schedule.
7. All design documentation is shown as checked.
8. Engineering job class is shown on the drawings.
9. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Subpart A, 505.03) or approved by an employee with the appropriate delegated engineering job approval authority (NEM Subpart A, 501).
10. Design modifications required during installation are properly documented.

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## **INSTALLATION**

### **Deliverables**

1. Pre-installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
4. Installation inspection documented in the case file.
  - a. Actual materials used.
  - b. Inspection records.
  - c. Maintain a job diary with the dates and record of inspections made, testing completed, instruction provided to the contractor, etc., to document compliance with standards and specifications.
5. Facilitate and implement required design modifications with client, original designer, and permitting and funding agencies.
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements (NEM Subpart A, 505.03).

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## **CHECK OUT**

### **Deliverables**

1. As-built documentation (450-GM, IA407).
  - a. Extent of practice units applied.
    - i. For prefabricated structures include manufacture, markings, and certifications.
  - b. Drawings with changes from the original construction plans clearly shown.
  - c. Testing reports and materials documentation including final quantities
2. Certification that the practice meets NRCS standards and specifications and is in compliance with permits (NEM Part 505, Non-NRCS Engineering Services, 505.03(c) (1)).
3. Progress reporting.

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## **REFERENCES**

- Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Amendments for Treatment of Agricultural Wastes, 591.
- NRCS Agricultural Waste Management Field Handbook (AWMFH)
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook

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## **STATE CONTACT**

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