STATEMENT OF WORK
Agrichemical Handling Facility (309)
Michigan

These deliverables apply to this individual practice. For deliverables for other planned practices, refer to those specific Statements of Work.

Specific responsibility for the deliverables depends on the source of engineering technical assistance to NRCS-Michigan customers. Responsibilities for the four available sources of engineering assistance are described in NRCS-Michigan Roles and Responsibilities for Engineering Technical Assistance.

DESIGN

Deliverables:

1. Design documentation that demonstrates that the criteria in the NRCS conservation practice standard have been met and are compatible with other planned and applied practices. Include:
    a. Identification of client needs, documentation of discussion with client, and a recommended method of resolution.
    b. Practice purpose(s) as identified in the conservation plan.
    c. Location of planned practice installation shown on a farm or ranch plan map.
    d. List of required permits to be obtained by the client.
    e. Compliance with state utility policy
    f. Impacts on adjacent properties and structures.
    g. List of facilitating practices
    a. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
        i. Type of traffic, design load, loading assumptions
        ii. Site foundation (Geology and Soil Mechanics)
        iii. Containment capacity
        iv. Environmental Considerations (e.g. location, air and water quality)
        v. Vegetation
        vi. User safety
2. Written plans and specifications, including sketches and drawings, that adequately describe the requirements to install the practice and to obtain necessary permits. The Construction drawings must include the notes shown on page 2 of the NRCS-Michigan standard drawing cover sheet (8½ x 11).
2. Quality Assurance Plan (NEM Part 512 - Construction, Subpart D - Quality Assurance Activities, 512.30 through 512.33).
5. Operation and Maintenance Plan.
6. Certification that the design meets NRCS standards and specifications and is in compliance with applicable laws and regulations (NEM Part 505 - Non-NRCS Engineering Services, Subpart A - Introduction, 505.0 and 505.3)
7. Documentation of design modification during installation as required.

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.
    a. Actual materials used (NEM Part 512 - Construction, Subpart C – Evaluation of Construction Materials, 512.20 through 512.23; Subpart D - Quality Assurance Activities, 512.33).
    b. Inspection records
    c. Document compliance with Quality Assurance Plan.
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 installation.

STATEMENT OF WORK
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Michigan

CHECK OUT

Deliverables

1. As-Built documentation.
    a. Extent of practice units applied
    b. “Red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52)
    c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

REFERENCES

- NRCS Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard – Agrichemical Handling Facility, 309
- NRCS National Engineering Manual (NEM).
- NRCS-Michigan Operation and Maintenance Plans
- NRCS-Michigan Construction Specifications
- National Engineering Handbook (NEH)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- *American Concrete Institute (*ACI*)*
- NRCS-Agricultural Engineering Note 4, Earth and Aggregate Surfacing Design Guide