

STATEMENT OF WORK
Agrichemical Mixing Facility (309)
New York State

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

Items marked with an asterisk (*) will be delivered to the Designated Conservationist.

DESIGN

Deliverables:

1. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are 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 (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06).
 - d. List of facilitating practices
 - e. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Geology and Soil Mechanics (NEM Subpart 531a)
 - ii. Storage Volume and Maximum Operating Level
 - iii. Structural, Mechanical and Appurtenances
 - iv. Stormwater Diversion
 - v. Environmental Considerations (e.g. spill prevention, location, water quality, air quality)
 - vi. Safety Considerations (NEM Part 503- Safety, Subpart A, 503.06 through 503.12)
2. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
3. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
4. ***Operation and Maintenance Plan.**
5. ***In cases where the practice location has changed, a statement to NRCS notifying the agency of the change in location as well as a map showing the new practice location. The statement will include the landowner's name, program name, contract number and practice name.**
6. ***Signed Warranty of Technical Services Provided form indicating compliance with practice standard criteria and applicable laws and regulations.**
7. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Delay of installation until TSP receives written verification from NRCS that all NEPA requirements have been satisfied for this practice.
2. Pre Installation conference with client and contractor.
3. Verification that client has obtained required permits.
4. Staking and layout according to plans and specifications including applicable layout notes.
5. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used
 - b. Inspection records

STATEMENT OF WORK
Agrichemical Mixing Facility (309)
New York State

6. Facilitate and implement required design modifications with client and original designer.
7. ***Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.**
8. ***Signed *Warranty of Technical Services Provided* form indicating compliance with practice standard criteria and applicable laws and regulations.**

CHECK OUT

Deliverables

1. ***As-Built documentation.**
 - a. **Extent of practice units applied**
 - b. **Drawings**
 - c. **Final quantities**
2. ***Signed *Warranty of Technical Services Provided* form indicating compliance with practice standard criteria and applicable laws and regulations.**
3. Progress reporting.

REFERENCES

- NRCS-NY Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Agrichemical handling Facility, 309
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- American Concrete Institute, ACI codes, Detroit, MI.
- American Forest and Paper Association, National Design Specifications for Wood Construction, Washington, DC.
- American Institute of Steel Construction, AISC, Manual of Steel Construction, Chicago, IL.
- American Society of Agricultural Engineers, ASAE EP514, Design of Concrete Structures for Secondary Containment of Liquid Pesticides and Fertilizers, St. Joseph, MI.
- Daum, D. R., and D. J. Meyer. Pesticide Storage Building. Pennsylvania State University, Agricultural Engineering Department
- MidWest Plan Service, 1995. Designing Facilities for Pesticide and Fertilizer Containment MWPS-37, Ames, IA.
- Doane's Agricultural Report. Chemical Containment Facilities. Vol. 53, No 36-5.
- Kammel, D. W., 1988. Protective Treatment for Concrete. Agricultural Engineering Department, University of Wisconsin
- Noyes, R. I., 1989. Modular Farm Sized Concrete Agricultural Chemical Handling Pads. Oklahoma State University, Agricultural Engineering Department
- Noyes, R. T., and D. W. Kammel, 1989. A Modular Containment, Mixing/Loading Pad. ASAE Paper No 891613, American Society of Agricultural Engineers, Winter Meeting, New Orleans, LA.
- USDA, Natural Resources Conservation Service, Critical Area Planting, Code 342, Conservation Practice Standards

STATEMENT OF WORK
Agrichemical Mixing Facility (309)
New York State