

STATEMENT OF WORK
Short Term Storage of Animal Waste and By Products (318)
Wyoming

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

Items that are marked **(TSP or Non-NRCS Engineer)** need to be completed only if design is provided by a TSP or Non-NRCS Engineer. Items that are marked **(NRCS Employee)** need to be completed only if design is provided by an NRCS Employee. All other items are required by all designers.

DESIGN

Deliverables and Documentation Requirements:

1. Design surveys and investigations
 - a. Detailed topography of storage site.
 - b. Soils investigation.
2. 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. Verify with the Field Office conservation planner that all concerns under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA) have been adequately addressed.
 - f. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
 - i. Foundation soils field classification.
 - ii. Storage Period and Capacity
 - iii. Covering and Anchorage as required
 - iv. Maximize Clean Water Diversion.
 - v. Environmental Considerations (e.g. air quality, ground and surface water quality, distance from neighboring structures and roads, wells and other water sources)
 - vi. Biosecurity
3. 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 including but not limited to:
 - a. A plan map showing the location of all stockpile areas, access roads to these areas, slopes, surfaces to be graded, necessary cuts and fills, and location of sensitive areas such as wells, springs, streams, and floodplains, with setback distances from water bodies, streams, sinkholes, etc.
 - b. Stockpile period. The stockpile needs to be linked to the nutrient management plan/ crop rotation for the field in which the manure is stockpiled.
 - c. Dimensions of field stockpile storage areas including length, width, and additional width for edge area for working and cover anchor, as appropriate.
 - d. Maximum design height for stacking manure.
 - e. Type of covering and details for anchoring the cover, as needed.
 - f. Specifications for cover or bagging material, as needed.
 - g. Vegetative buffer requirements.
 - h. Quantities of stockpiled material to be managed.
 - i. Soil and foundation findings, interpretations, and reports, as required for site suitability.
 - j. Pad and liner specifications, as required.
 - k. Temporary erosion control measures during construction, as required.
 - l. Odor management or minimization requirement and pest management (fly control).
 - m. Location of utilities and notification requirements.
4. Operation and Maintenance Plan
5. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Part 505 – Non-NRCS Engineering Services, Subpart A – Introduction, - 505.0 and 505.3). **(TSP or Non-NRCS Engineer)**
6. Engineering job classification is shown and proper engineering approval is obtained. **(NRCS Employee)**
7. Design modifications during installation as required.

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INSTALLATION

Deliverables and Documentation Requirements

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.
 - a. Storage site extents
 - b. Grade stakes as needed to establish required excavation or fill.
 - c. Verify with the Field Office conservation planner that the location of the staked practice is within the original scope of the practice and is still in compliance with the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA).
4. Installation inspection (according to inspection plan as appropriate).
 - a. Actual materials used.
 - b. Inspection records
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.
7. Certification that the installation process and materials meets design and permit requirements.

CHECK OUT

Deliverables and Documentation Requirements

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. Drawings
 - 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). **(TSP or Non-NRCS Engineer)**
3. Statement of compliance signed by NRCS personnel with applicable job approval authority that the work meets the plans and specifications. **(NRCS Employee)**
4. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (FOTG), Section IV, Conservation Practice Standard – Short Term Storage of Animal Waste and By Products, 318.
- NRCS Agricultural Waste Management Field Handbook (AWMFH)
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook