

STATEMENT OF WORK
Solid/Liquid Waste Separation Facility (632)
Kansas
September 2006

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These deliverables apply to this individual practice. For other planned practice deliverables, refer to those specific statements of work.

DESIGN

Deliverables

1. Design documentation that will demonstrate that the criteria in the Natural Resources Conservation Service (NRCS) practice standard has been met and is 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 (National Engineering Manual [NEM] Sections 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 the following:
 - i. Separator selection and efficiency
 - ii. Storage volume for separated solids and liquids
 - iii. Structural, mechanical, and appurtenances
 - iv. Environmental considerations (for example mechanical failure, location, breaching, and air quality)
 - v. Safety considerations (NEM Sections 503.10 through 503.12)
2. Written plans and specifications (including sketches and drawings) shall be provided to the client that adequately describe the requirements to install the practice and obtain necessary permits. (Details of what to include in the drawings can be found at <http://www.ks.nrcs.usda.gov> > Technical Resources > Technical Service Providers > Engineering Procedures - Manure and Wastewater Handling and Storage.)
3. Design report and inspection plan as appropriate (NEM Sections 511.11 and 512.30 through 512.32)
4. Operation and maintenance plan
5. Itemized engineer's cost estimate
6. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Section 505.03(b)(2))
7. Design modifications during installation as required
8. If enrolled in a conservation program, this practice must meet all conditions and requirements of program enrollment that may exceed the practice standard.

INSTALLATION

Deliverables

1. Documentation 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 (according to inspection plan as appropriate)
 - a. Actual materials used
 - b. Inspection records (Form KS-ENG-16, Waste Management System Inspection Report, or equivalent)

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5. Verify that required design modifications have been cleared with the client, the original designer, and permitting agencies
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws and regulations and NRCS policies during installation
7. Certification that the installation process and materials meet design and permit requirements

CHECKOUT

Deliverables

1. As-built documentation
 - a. Extent of practice units applied
 - b. Drawings with changes from the original design clearly shown
 - c. Inspection notes, testing reports, and survey notes
 - d. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Section 505.03(c)(1))
3. Progress reporting

REFERENCES

- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 632, Solid/Liquid Waste Separation Facility
- NRCS National Engineering Handbook Part 651, *Agricultural Waste Management Field Handbook*
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook
- Kansas Department of Health and Environment, Bureau of Water, Livestock Waste Management Section, Rules and Regulations