

STATEMENT OF WORK
Waste Storage Facility (313)
Kentucky

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 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). It is the client's responsibility to contact Kentucky 811, Call 811 Before You Dig. See www.kentucky811.org for more information.
 - 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. Maximize Clean Water Diversion.
 - v. Environmental Considerations (e.g. liner failure, location, breaching, 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. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b)(2)).
6. Design modifications 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 (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 meet design and permit requirements.

CHECK OUT

Deliverables

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 Subpart A, 505.03(c)(1)).
3. Progress reporting.

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SPECIAL REQUIREMENTS FOR COST SHARED PRACTICES

As noted in GM KY Supplement 450-407.12: Certifying Performance for Cost Sharing (June 2008)

- A. All practices will be located and identified using Global Positioning Systems (GPS) unit. (See GM KY 450-407.12 for additional guidance.)
- B. Practices receiving cost share assistance will be photo identified with no less than one before picture and no less than one after picture. (See GM KY 450-407.12 for additional guidance)
A quick link to the policy is: ftp://ftp-fc.sc.egov.usda.gov/KY/GM_Supplement_450.pdf.

SUPPORTING DATA AND DOCUMENTATION

Field Data and Survey Notes,

Record on SCS-ENG-28, ENG-29, or on other forms or media as appropriate:

- A. A topographic survey of the site location;
- B. Location of all buildings, wells, and other permanent features adjacent to the site;
- C. Profiles and cross sections of proposed components;
- D. Type and number of animals the facility will serve;
- E. Geology investigation notes;
- F. Soil investigation notes and potential high water elevations.

Design Data

Record on appropriate engineering forms, data sheets and drawings. For guidance on the preparation of engineering plans see Chapter 5 of the Engineering Field Handbook, Part 650. The following is a list of the minimum required design data:

1. A plan view of the facility with contours, buildings, well, streams, etc.;
2. Detail designs of the components: pad, curb, ponds, sump, pump configuration, etc.;
3. Calculations showing design and required storage capabilities;
4. List of quantities with supporting computations;
5. Erosion and sediment control measures, and surface water control devices;
6. Show construction specifications on drawings or prepare separate specification document.
7. A person with appropriate Job Approval Authority shall sign and date notes and plans.

Construction Check Data

Record on survey note paper, SCS-ENG-28, ENG-29, or on other appropriate engineering paper. Plot the survey data on the plans in red. The following is a list of minimum data needed for As-builts:

1. Documentation of site visits on CPA-6. Include the date, who performed the inspection, specifies as to what was inspected, all alternatives discussed, and decisions made and by whom;
2. Final elevations, depths and dimensions of the curb, sump, pads, pond dams, etc.;
3. Location of buried pipelines and power cables where installed as part of facility;
4. Final quantities and documentation for quantity changes, and materials certification;
5. A person with appropriate Job Approval Authority shall sign and date notes and/or plans;
6. Include a statement that the installed practice meets the plans and specifications.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Waste Storage Facility, 313.
- NRCS Agricultural Waste Management Field Handbook (AWMFH)
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook