STATEMENT OF WORK
Pond Sealing or Lining - Bentonite Treatment (521C)
Kansas
January 2013

State contact: State Conservation Engineer, 785-823-4534

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 503.0 through 503.6 and NEM Part KS503)
    d. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to the following (additional information can be found in the Practice Documentation Requirements for 521, Pond Sealing and Lining):
        i. Hydrogeology
        ii. Type of liner
        iii. Application rate and/or liner thickness
        iv. Liner protection
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.
3. Design report and inspection plan as appropriate (NEM Sections 511.11 and 512.30 through 512.32 and NEM Section KS512.32).
4. Operation and maintenance plan.
5. Certification that the design meets practice standard criteria and complies with applicable laws and regulations (NEM Section 505.3B(2)).
6. Design modifications during installation as required.
7. 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. 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 and regulations and NRCS policies during installation.
7. Certification that the installation process and materials meet design and permit requirements.

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CHECKOUT

Deliverables

1. As-built documentation.
    a. Extent of practice units applied (use the Technical Service Provider (TSP) Performance Worksheet or equivalent)
    b. Drawings
    c. Liner construction verification (additional information can be found in the Practice Documentation Requirements for 521, Pond Sealing and Lining)
    d. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Section 505.3C(1)).

REFERENCES

- NRCS electronic Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard 521C, Pond Sealing or Lining–Bentonite Treatment
- NRCS National Engineering Handbook Part 651, *Agricultural Waste Management Field Handbook*, Appendix 10D
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook