

STATEMENT OF WORK
Waste Facility Closure (360)
Oklahoma

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
 - Oklahoma Department of Agriculture, Food and Forestry must approve all waste impoundment closure plans in Oklahoma
 - Other permits may be required depending on the location of the facility
 - c. Compliance with NRCS national and state utility safety policy (National Engineering Manual (NEM) Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06 and NEM Oklahoma Supplement Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities, OK503.02)
 - Oklahoma engineering worksheet *OK-ENG-45 Utilities Inventory Form* will be used to document utilities
 - d. 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. Capacity
 - Storage and treatment volume
 - Land application calculations
 - iii. Structural, Mechanical and Appurtenance
 - Earthfill and excavation quantities
 - Material removal and disposal quantities (pipelines, fencing, signage, etc.)
 - iv. Environmental Considerations (e.g. air quality, bio-security)
 - Disinfection requirements for facilities
 - Waste analysis from approved lab
 - Soils analysis of waste application area
 - Soil liner analysis for nitrate and electric conductivity meeting ODAFF minimum requirements
 - v. Vegetation requirements (see Critical Area Planting (342) Statement of Work)
 - vi. Safety Considerations (NEM Part 503-Safety, Subpart B, 503.10 through 503.13)
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
 - a. Waste Facility Closure plan developed by NRCS, Technical Service Provider or Private Engineer. The plan shall include at a minimum:
 - i. Notification requirements
 - ii. Closure process and requirements
 - iii. Documentation of waste characteristics
 - iv. Land application areas and rates
 - v. Time schedule for closure activities
 - vi. Cost estimate
 - vii. Monitoring requirements
 - viii. Certification of Post Closure Performance requirements

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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. Certification that the closure plan meets practice standard criteria and comply with applicable laws and regulations
 - a. Statement of responsibility for closing all waste retention structures. Signed and dated by the responsible party and notarized
 - b. Oklahoma Department of Agriculture, Food, and Forestry closure plan approval
5. Operation and Maintenance Plan
6. Design modifications during installation as required

INSTALLATION

Deliverables

1. Documentation of pre-installation conference with client and contractor
2. Verification that client has obtained required permits
 - Oklahoma Department of Agriculture, Food, and Forestry closure plan approval
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 (Part 512, Subchapter D - Quality Assurance Activities, 512.33)
 - b. Inspection records
 - c. Maintaining a job diary with dates and record of inspections made, testing completed, instructions provided to the contractor, etc., to document compliance with standards and specifications. Documenting in the assistance notes in the plan is acceptable
5. Facilitate, implement and document required design modifications with client, original designer, regulatory and funding agencies
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

1. Supporting documentation
 - a. Completed job diary or assistance notes documenting inspections made, testing completed, materials used, etc.
 - b. Survey notes for layout, inspections, and final checkout documenting compliance with standards and specifications
 - i. Layout survey
 - ii. Construction checks and inspections
 - iii. Final checkout survey
 - c. As-built drawings with changes from the original drawing clearly shown
 - d. Extent of practice units applied and location identified on a map
 - e. Vegetation certification or schedule documented on OK-ECS-04 – Vegetative Data Worksheet
 - f. Final quantities

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2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits
 - Certification of Post Closure Performance signed by the land owner and a Professional Engineer licensed to practice in Oklahoma
 - Certification by an NRCS employee with appropriate approval authority for construction assigned on Form OK-ENG-1, OK-ENG-1 a, or by special letter. (NEM Subpart A, 505.39(c)(1))
3. Progress reporting

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Waste Facility Closure, 360
- NRCS Agricultural Waste Management Field Handbook (AWMFH)
- NRCS Comprehensive Nutrient Management Planning Handbook
- NRCS National Engineering Manual (NEM)
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook