

STATEMENT OF WORK

Waste Treatment (629)

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work. Items marked with an asterisk (*) will be delivered to the Designated Conservationist

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. Practice standard criteria related computations and analyses to develop drawings, plans, and specifications including but not limited to:
 - i. Objectives and outcomes of implementation
 - ii. Process diagram showing volumetric flow rates, waste load projections, unit process volumes and hydraulic retention times, projected air emissions, and projected nutrient fate
 - iii. Expected system performance
 - iv. Annual operating costs where appropriate
 - v. Quantities and fate of any byproducts
 - vi. Control system requirements
 - vii. Process monitoring requirements
2. Documentation showing the facility or process has achieved the intended purpose in similar situations and locations
3. Detailed operation and maintenance requirements including such things as loading rates, O&M manuals for specific components, start-up procedures, trouble shooting guide(s), and monitoring and reporting plans.
4. Documentation needed for the practice depends on the specified conditions at the site where it will be installed. However in New Mexico, the minimum required documentation is: Hazard classification including rationale, profile and cross section of dam and earth spillway, size and elevations of pipe inlet and invert, pipe appurtenances, depth and area of pool, yardage computations if needed, quantities of materials, clearing, adequacy of vegetation, sealing, fencing, and fish management if appropriate. Overall plan for storage and disposal of wastes showing waste volumes, design capacity method of disposal, facilities required and environmental considerations. Measurements of completed structure, type, and quality of materials used.
5. The local SWCD can help identify local permits and regulatory requirements (Refer to Item 1.b above).

INSTALLATION

Deliverables:

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout of components as shown on the drawings. Includes layout notes as appropriate.
4. Facilitate and implement required facility design modifications with client and system provider.
5. System start-up assistance and initiate process monitoring
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.
8. Information required by Design Deliverable Item 4, as a minimum, must be collected. This is especially true for work that cannot be observed once installation is complete.

CHECK OUT

Deliverables:

1. Record of application including type and size of components installed
2. ***Start-up data showing facility or process is working as intended**
3. ***Certification that the facility or process meets NRCS standards**
4. ***Test results and interpretations as required**
5. As a minimum, all Design Deliverable Item 4 requirements shall be measured, photographed, or documented to show that the installed practice meets the standard, specification, and design requirements.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Waste Treatment, Code 629 and other related practices
- NRCS Agricultural Waste Management Field Handbook, 210-VI-NEH 651