

**STATEMENT OF WORK**  
**Waste Treatment (629)**  
**Virginia**

**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**

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### **Deliverables:**

1. Design documentation that will demonstrate that the criteria in the NRCS practice standard have been met and are compatible with other planned and applied practices:
  - a. Identify, discuss and document client needs, and recommend method of resolution.
  - b. Practice purpose(s) as identified in the conservation plan.
  - c. List of required permits to be obtained by the client.
  - d. 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. Provide written plans and specifications, including sketches and drawings, to the client that adequately describe the requirements to install the practice and obtain necessary permits. Develop plans and specifications in accordance with the requirements in the Virginia NRCS Conservation Practice Standard *Waste Treatment (Code 629)*.
3. Documentation showing the facility or process has achieved the intended purpose in similar situations and locations.
4. 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.
5. Certification that the design meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03, Amendment VA-22).

## **INSTALLATION**

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### **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. 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.

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**CHECK OUT**

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**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 installation meets NRCS standards and specifications and is in compliance with permits (NEM VA505.03, Amendment VA-22).
4. \*Test results and interpretations as required.

**REFERENCES**

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- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – *Waste Treatment (Code 629)*.
- VA NRCS Field Office Technical Guide (eFOTG), Section IV, Operation and Maintenance Plan – *Waste Treatment (Code 629)*.
- NRCS Agricultural Waste Management Field Handbook (AWMFH).
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook.