

ILLINOIS 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. 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, including but not limited to:
 - a. Location Map with legal description
 - b. Plan View drawing showing the location of the practice to be constructed, and relevant benchmark elevations and descriptions
 - c. Construction Material specifications
 - d. Construction notes as needed to clarify components and provide directions for installation
 - e. Utility safety statement requiring notification of the Illinois One-Call System prior to construction.
 - f. Additional notes as necessary to identify avoidance and protection areas and boundaries associated with cultural resources, threatened or endangered species, or other resources needing temporary protection during installation.
 - g. Signature/initials and date for design and design check. Design check to be completed by an individual other than the designer
4. 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).
5. Detailed operation and maintenance plans, developed in accordance with the requirements of IL NRCS Conservation Practice Standard 629, Waste Treatment.
6. Certifications that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03(b) (2)).
7. Design modifications during installation as required.

INSTALLATION

Deliverables

1. Preconstruction conference with client and contractor (NEM Part 512, Subpart B, IL 512.13(d)).
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.**

CHECK OUT

Deliverables

1. As-Built documentation.
 - a. Extent of practice units applied
 - b. As-built plan is required when a significant change in design occurs during construction or when the job is designated Class V or higher. Identify "As Built" on plan. Superimpose changes on the as-built plan using a different color or otherwise clearly differentiating the as-built dimensions.
 - c. For practices not requiring an as-built plan, survey notes documenting critical dimensions, elevations, and materials are sufficient.
 - d. Final quantities
2. ***Start-up data showing facility or process is working as intended**
3. ***Certification that the facility or process meets NRCS standards** and is in compliance with permits (NEM Subpart A, 505.03(c) (1)).
4. ***Test results and interpretations as required**
5. Progress Reporting

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