

COMPOSTING FACILITY

DESIGN AND CHECK DATA REQUIREMENTS

The following items must be addressed in the design folder for the Composting Facility.

Field Data and Survey Notes

1. Plan view with topography and dimensions as appropriate.
2. Profiles and cross sections showing grades.
3. Soils investigation documenting soil permeability class, drainage characteristics, depth to high water table or bedrock, etc.

Design Data

The following is a list of the minimum required design data:

1. Document compliance with PA One Call.
2. E&S Control Plan.
3. Design calculations for raw materials storage, composting times and volumes, incinerators/gasifiers power, capacity, and temperatures. Profiles and cross sections of the area showing grades and thicknesses of base course and surface treatment for improved surfaces, per PA561.
4. Design and specifications of the foundation and surface treatment, clean water diversion, runoff collection, runoff storage or treatment, and other practices as needed.
5. Design and specifications for structural facilities including stacking areas, roofs, and other structures per PA313 and PA367.
6. Finished grading plan for the area.
7. Vegetation plan.
8. Quantities.
9. O&M Plan.
10. Construction quality assurance plan.

Construction Check Data

Verify and document the following where applicable:

1. Foundation preparation.
2. Placement of base course and geotextile.
3. Placement of the surface material.
4. Installation of roof and bins, runoff collection devices and other practices.
5. Certification statement on cover sheet or plan view of as-built drawings, with signature(s).
6. Material certifications and manufacturers' data sheets.
7. Photos.
8. Document compliance with PA One Call.