



Requirements for participation in the City of Chattanooga's Biosolids Program

Provided below is a checklist of items used to determine if a site is suitable for biosolids application from the Moccasin Bend Environmental Campus. Determination is made by representatives from the City of Chattanooga, as well as their contracted application vendor in partnership with the Tennessee Department of Environment and Conservation.

Careful selection of sites will maximize the results for permitting in the areas of:

- Regulatory Approval;
- Suitability for field operations; and
- Acceptability of site neighbors.

A. Site Size/Proximity to Other Application Sites

- Sites need to be at least 50 acres of spreadable area or adjacent to existing permitted land. Fields need to be of sufficient size for equipment to maneuver safely.

B. Haul Distance, Truck Route and Access Suitability

- Haul distance should be no more than 75 miles from the Moccasin Bend Environmental Campus, which is located at 455 Moccasin Bend Road, Chattanooga, TN 37405.
- Truck turnaround times are based on traffic considerations. Trucks will need to be in and out of the site three times within a 10-hour day.
- Haul route suitability (weight-limiting bridges, height-restricted bridges/overpasses, frost laws/restrictions, local limits on heavy traffic through certain areas, road durability, avoidance of narrow unsafe roadways and routing through residential areas) will be taken into consideration.
- On-Site Truck Access (room for trucks to maneuver and off-load, limitations due to ditch or stream crossings, road durability, right-of-way ownership, proximity of entrance to neighbor's dwellings and dust control) is also reviewed.

C. Federal, State and Local Restrictions

- Identify state and local bans or overly stringent requirements, extensive permitting requirements and excessive testing requirements which make land application impractical.

- Identify areas where land application is prohibited. This may be due to local zoning restrictions, proximity to drinking water intakes, reservoirs, phosphorus sensitive waters, well head protection areas, endangered or threatened species concerns or historic preservation sites, etc.

D. Adjoining Land Use

- The site needs to be at least 1,000 feet from schools or churches and at least 500 feet from businesses, homes, parks or other places of public assembly.

E. Farmer/Site Operator and Landowner Approvals and Crop/Site Restrictions

- Confirmation of interest in receiving biosolids and agreement in writing to comply with the applicable regulatory requirements. Note: During the sign-up process, present all forms for signature at the same time and do not make commitments you cannot fulfill.
- Assess whether the farmer can meet the site restrictions after biosolids are applied, i.e. livestock must be rotated to other fields during staging, storing and application periods and for an additional 30 days after land application has been completed.

F. Topography/Water Considerations

- The slope of the site needs to be less than or equal to 15%.
- The spreadable area needs to be a minimum of 100 feet from all bodies of water.
- The spreadable area cannot include saturated soils or sinkholes.

G. Nutrient Management Considerations

- A site must not have received past applications of biosolids or other residuals from any other facility.

H. Neighbors/Community Relations

- Discuss with the farmer/site operator how they feel biosolids/residuals application will be accepted by their neighbors and the community and any positive or negative past experience with biosolids or other materials. Discuss the farmer's willingness to stick with the program if there is opposition.

All sites meeting these minimum requirements may be inspected by the Tennessee Department of Environment and Conservation or other local agencies, the City of Chattanooga and the City's land application vendor for final determination of acceptance into the Biosolids Program.