



Requirements for participation in the City of Chattanooga Biosolids Program

Provided below is a checklist of items used to determine if a site is suitable for biosolids application from the Moccasin Bend Waste Water Treatment Plant.

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

- regulatory approval,
- suitability for field operations
- and acceptability by site neighbors.

A. Site Size/Proximity to Other Application Sites

- Net spreadable acres after buffers/restricted areas are accounted for, Sites need to be at least 50 acres of spreadable area or adjacent to existing permitted land. Fields need to be of sufficient size and accessible for equipment to maneuver safely.

B. Haul Distance, Truck Route and Access Suitability

- Haul Distance no more than 75 miles from Moccasin Bend WWTP.
- Truck turnaround times based on traffic considerations. Trucks will need to be in and out of the site 3 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).
- On-Site Truck Access (room for trucks to maneuver and off load; access limitations due to ditch or stream crossings; road durability; right of way ownership; proximity of entrance to neighbor's dwellings; dust control needs).

C. Federal, State and Local Restrictions

- Identify state and local bans or overly stringent requirements (e.g. excessive fees; extensive permitting requirements, excessive testing requirements - residuals, soils, groundwater; unworkable notification or posting requirements, etc.) 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; 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 100 feet from businesses, homes, parks or other places of public assembly.

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

- Confirm they are interested in receiving biosolids and will agree 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 (e.g. cattle can be rotated to other fields during grazing restriction periods, restricted crops can be kept out of the rotation for the required period of time).
- Avoid truck farms, tobacco.
- Be able to limit access for 30 days after application.

F. Topography/Water Considerations

- The slope of the site needs to be less than or equal to 15%.
- The spreadable area needs to be 100 feet from all bodies of water.
- The spreadable area can not include saturated soils or sink-holes.

G. Nutrient Management Considerations

- Past applications of biosolids or other residuals—a site must not have received biosolids from any facility other than Moccasin Bend WWTP

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 will be inspected by the Tennessee Department of Environment and Conservation or other local agencies, the City of Chattanooga, and a Denali representative.