Sevier Solid Waste Inc.

At Sevier Solid Waste Inc., we believe in preserving our beautiful Smoky Mountain home for generations to come. Therefore, we compost all the organic waste from Sevier County and the Great Smoky Mountain National Park. We create Grade A compost to be used freely by locals for vegetation, soil amendments and erosion control.

Sevier Solid Waste Inc.
Composting Process

We collect all of the MSW from Sevier County, GSMNP and others. The waste is mixed with bio-solids and pushed into large, turning digesters. After 3 days, all of the organic material becomes compost. The inorganic material is screened out, leaving compost to be placed into windrows for 28 days. At the end we have Grade A compost with great nutrients and a high water holding capacity.

Sevier Solid Waste Inc.
Compost Use Opportunities

Vegetation
- Soil Amending: using compost as a top dressing to aid in existing plantings
- Compost Manufactured Soil: Dirt mixed with compost to make a nutrient rich soil and start the vegetative process

Erosion Control
- Soil Retention Blanket: layer of compost or compost manufactured soil over a rocky or sloped surface. Can be mixed with grass seed for easy vegetation
- Stockings: Socks filled with compost to use as a berm to manipulate water and sediment runoff

Sevier Solid Waste Inc.
Compost Use Opportunities
Wye Road

(Left) A field on Wye Road just a few weeks after compost was applied as a soil amendment in a top layer and the use of compost socks for erosion control.
(Right) The same field a few months later at the end of summer. Obviously very plentiful grass growth and no erosion problems.

Sevier Solid Waste Inc.

Compost Use Opportunities

Sevierville Rain Garden

Pictured is the Sevierville Public Works Rain Garden. There is an obvious problem with flooding and possible harm to the vegetation.

Sevier Solid Waste Inc.

Compost Use Opportunities

Sevierville Rain Garden

Here is the Sevierville Public Works rain garden under construction. They added compost to the existing sublayers of soil. The compost was then able to absorb and hold water that was previously flooding the area.

Sevier Solid Waste Inc.
Compost Use Opportunities
Sevierville Rain Garden

Within a few months the vegetation came back and there was no longer a flooding problem.

Sevier Solid Waste Inc.
Compost Use Opportunities
SSWI Landfill

Sevier Solid Waste Inc. used compost as a final layer to cap an old landfill. Compost used with dirt to make a 70/30 soil blend to cover. Hydroseed was also applied with the soil mixture. After just one season, this is the grassy field that remains of the landfill.

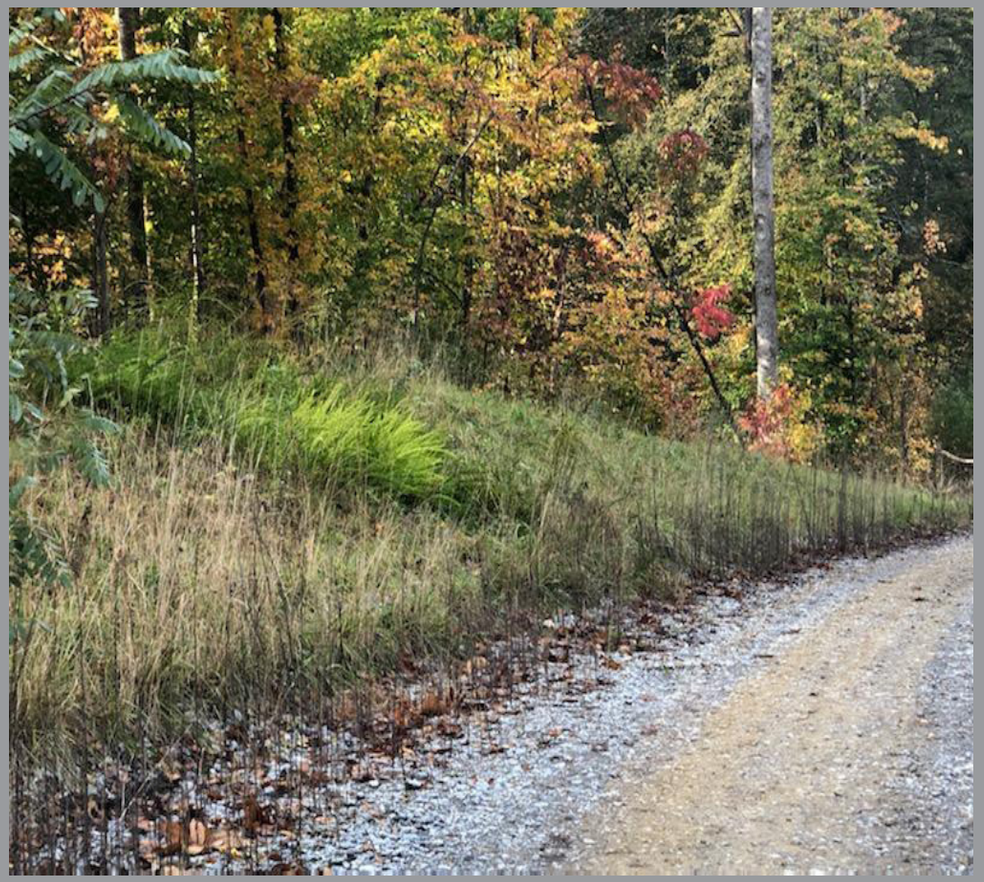
Sevier Solid Waste Inc.
Compost Use Opportunities
SSWI Landfill

Sevier Solid Waste Inc also uses the compost for erosion control. As seen in this active landfill, after a heavy rain there was serious runoff. The dark layer of dirt is our compost. Applied at about 2inches depth over this slope, it absorbed the majority of the rainfall. At the bottom of the slope, you can see evidence of erosion in the rivets in the dirt. This is a good example of how our compost can control erosion as opposed to the natural dirt of the area.

Sevier Solid Waste Inc.
Compost Use Opportunities
SSWI Landfill

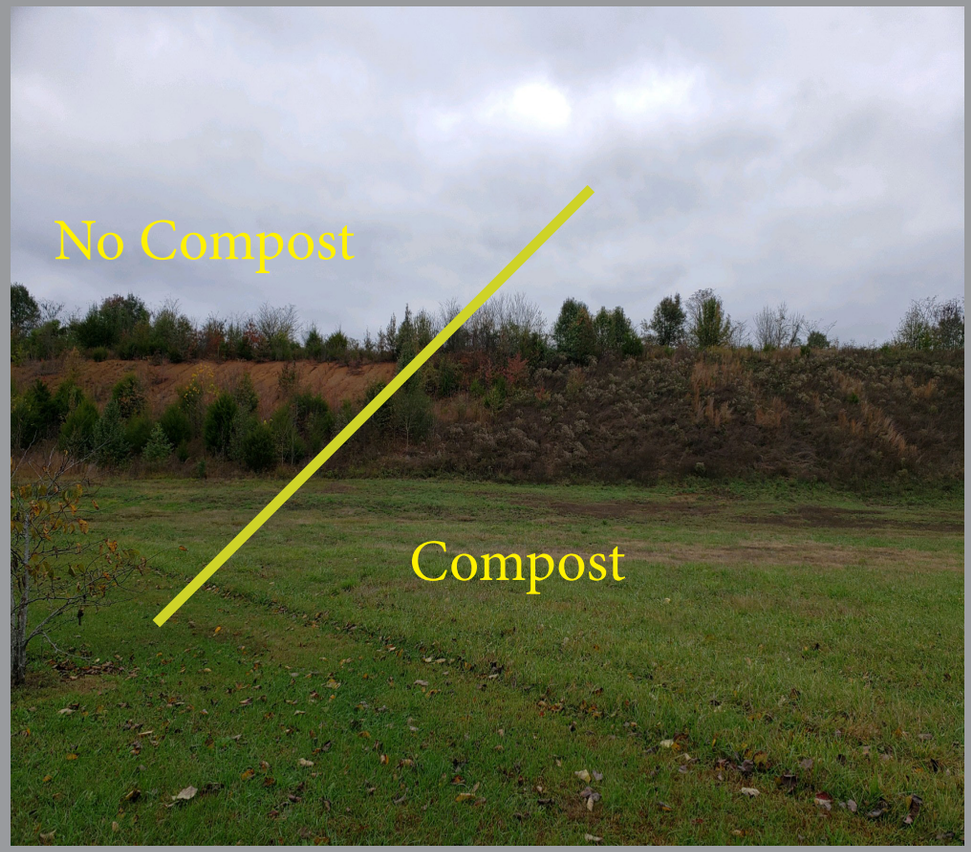
Sevier Solid Waste Inc. used compost on a new entrance to a working landfill. We used the compost on the shoulder to improve vegetation and for erosion control down the hill leading to the road. Compost was applied with a small blower truck on the gentle slopes of the side banks and along the shoulder of the new gravel road.

Sevier Solid Waste Inc.
Compost Use Opportunities
SSWI Landfill



A year later, the same landfill entrance Sevier Solid Waste Inc. applied compost to, has lush, green vegetation. This vegetation not only looks great and provides a nice view from the road, it also helps with erosion going down the hill towards the road.

Sevier Solid Waste Inc.
Compost Use Opportunities
Veterans Blvd Bank



Sevier Solid Waste Inc.'s compost was also used on a bank on Veterans Blvd. (Left) The bank the summer it was treated with compost as a soil amendment with a top layer of compost. (Right) The bank in Fall 2019, a few years after the application. The compost provided all the proper nutrients for lush vegetation. Part of the slope was not treated with compost, and as seen is the drastic difference between the native soil and the compost enriched soil.

Sevier Solid Waste Inc.
Thank You