

This tour features a large scale state of the art composting facility, a new LEED certified county waste water treatment plant and one of the largest privately owned compost facilities in North America. Lenz Enterprises is a family owned earth materials and services business that produces compost using the Aerated Static Pile method and Trapezoidal Mass Bed composting technology; while reducing odors, VOC's and GHG's through in-floor aeration, biofilters, computerized process control and reversible air technology. The new King County Brightwater Wastewater Treatment Plant sits on 114-acres with a LEED® Platinum education center, 70 acres of public open space, three miles of walking trails all while promising zero odor detection outside the boundaries of the site through an extensive odor control system. As part of the treatment process, one hundred percent of the organic solid material is converted into soil amendments onsite and distributed around the state of Washington. A second stop on the tour will be at the Cedar Grove Composting Everett Facility. They process feedstocks such as yard debris and food scraps from commercial and residential sources in the Seattle Metro area. The operation has a permitted capacity of 228,000 tons and over 150,000 cubic yards of annual sales to urban landscaping and local agriculture.

**Lenz Enterprises:**

Lenz Enterprises is a family owned earth materials and services business that produces compost using state of the art composting technology. 'Greenblenz compost' is made from organic feedstocks that arrive at the facility fresh from local sources. GreenBlenz Compost is made using the Aerated Static Pile (ASP) method of composting and control system developed by [Engineered Compost Systems \(ECS\)](#). The ASP method uses aeration trenches in the concrete beneath the compost pile, connected to electric blowers which can either force air into the compost pile (positive aeration) or draw air through the pile (negative aeration). Compost temperatures are constantly monitored in the ASP by a computerized system to ensure that proper environmental conditions are maintained at all times. Temperatures exceed 140 degrees Fahrenheit for weeks, killing weeds and pathogens, and rapidly stabilizing the materials. The compost is mixed in a Trapezoidal Mass Bed Composting System to further stabilize the compost, followed by the curing process. Lenz Enterprises also uses a number of techniques to reduce odors, VOC's and GHG's. Techniques employed to reduce odors, VOC's and GHG's include in-floor aeration, biofilters, computerized process control and reversible air technology.

<http://www.lenz-enterprises.com/>

**Brightwater Treatment Facility:**





The Brightwater Wastewater Treatment Plant is King County's newest treatment facility. The 114-acre site includes a LEED® Platinum education center and 70 acres of public open space with three miles of walking trails. Constructed within a community, King County has promised zero odor detection outside the boundaries of the site with the purpose of maintaining the air quality for our neighbors. An extensive odor control system has been put in place to uphold this promise. As part of the treatment process, one hundred percent of the organic solid material is converted into soil amendments onsite and distributed around the state of Washington to return the nutrients back to the soil. The tour of Brightwater will highlight all these unique elements of this innovative public utility.

<http://www.kingcounty.gov/environment/wtd/Construction/North/Brightwater.aspx>

#### **Cedar Grove:**

The Cedar Grove Composting Everett Facility is one of the largest privately-owned compost facilities in North America. Feedstocks include yard debris and food scraps from commercial and residential sources in the Seattle Metro area. Receiving and grinding is all completed inside a control atmosphere building over 15,000 SF. Composting is conducted in three aerated phases with laminate membrane covers placed over the material. Total compost time is under 60 days with temperatures ranging from 150 to 170 degrees. Products are sold to urban landscaping and local agriculture. With permitted capacity of 228,000 tons and over 150,000 cubic yards of annual sales.

<http://cedar-grove.com/>