IPS Composting System: Bennington, Vermont

In 1992, the historical Town of Bennington, Vermont upgraded its wastewater treatment plant (WWTP) and selected the IPS Composting System from Siemens Water Technologies to process the biosolids. The upgrade replaced the drying beds and the practice of landfilling biosolids.

Grant money awarded by the U.S. Environmental Protection Agency and the Vermont Agency of Natural Resources helped to finance the project.

The WWTP is required to meet stringent effluent standards due to a wide variation in water levels of the adjacent Walloomsac River. The plant receives sewage from 17,000 residents and septage from the surrounding rural area.

Anaerobically digested biosolids are dewatered on a belt press and a mobile mixer blends the biosolids with sawdust. After 21 days in the IPS Composting System, the compost is cured in partially enclosed area for 30 days. Each year about 5,000 cubic yards of compost are sold to nurseries, landscapers, athletic fields and soil blenders.

Henry Bridge over Walloomsac River

Bennington, Vermont

Owner: Town of Bennington

On Line: October 1992

Engineer: DuBois & King, Inc.

Capacity: 60 cubic yards per day

Processing: Biosolids with sawdust

Facility Size: 4 bays, each 180 feet long x 6.5 feet wide; 20,000 square feet enclosed composting building with dewatering area; partially enclosed amendment and compost storage

Odor Control: 6,300 square foot biofilter

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