

# IPS Composting System: State College, Pennsylvania

University Area Joint Authority (UAJA) employed a Beneficial Reuse Project to resolve rapid community growth and environmental mandates. Using USFilter's advanced wastewater treatment technologies and IPS Composting System helped to achieve the desired results.

UAJA's Spring Creek Pollution Control Facility serves several townships and a portion of the Borough of State College, home of The Pennsylvania State University (PSU). In 1992, UAJA, as part of the 6 MGD plant upgrade, built its original 12-bay IPS Composting System. At that time, secondary treated wastewater was discharged into Spring Creek, a brown trout fishery.

The 2002 plant upgrade required advanced treatment and diversion of as much as 4 MGD from Spring Creek to reduce the thermal load that could

adversely impact the reproductive cycle of trout. Instead, the treated water would be used to recharge the aquifer, create artificial wetlands, and assist agriculture and commercial operations.



UAJA compost has been used in high-profile projects including the Pittsburgh Steelers athletic field and the Little League World Series Field in Williamsport, Pennsylvania. PSU has conducted collaborative research with the compost. In addition to receiving the 1996 Governor's Award, UAJA received the U.S. Environmental Protection Agency 1997 national first place award for outstanding Beneficial Use of Biosolids.



## State College, Pennsylvania

**Owner:** University Area Joint Authority (UAJA)

**On Line:** Original February 1992 and Expansion June 2004

**Engineers:** Herbert Rowland and Grubic, Inc. (HRG)

**Capacity:** 75 wet tons per day of biosolids

**Processing:** Raw and waste activated sludge with waste sawdust

**Facility Size:** 18 bays, each bay 216 ft. long x 6.5 ft. wide x 6 ft. high; 53,000 sq. ft. composting building; 3,000 sq. ft. amendment area; 18,000 sq. ft. curing/storage building; 2,500 sq. ft. MCC and office

**Odor Control:** 27,000 sq. ft. biofilter

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