





Colorado Springs Utilities (CSU) joined the City of Colorado Springs to participate in a children's water festival, Marshall said. CSU demonstrates xeriscaping, water conservation, and environmental stewardship to the public at its Mesa Conservation and Environmental Center. In addition, tours of the WRRF are given for various school groups as well as to cadets from the Air Force Academy (El Paso County, Colo.).



Technology improvements and automation have allowed WRRF staffing levels to drop from 56 employees in the 1990s to 22 today.



The facility's reclaimed water supplies a local power facility and irrigates parks, golf courses, cemeteries, and college campuses, Marshall said.



The facility has won numerous awards, including the Water Environment
Federation (Alexandria, Va.) Burke
Safety award, the Rocky Mountain
Water Environment Association Plant
Performance award and Silver Safety
award, and the National Association
of Clean Water Agencies (Washington,
D.C.) gold Peak Performance award.



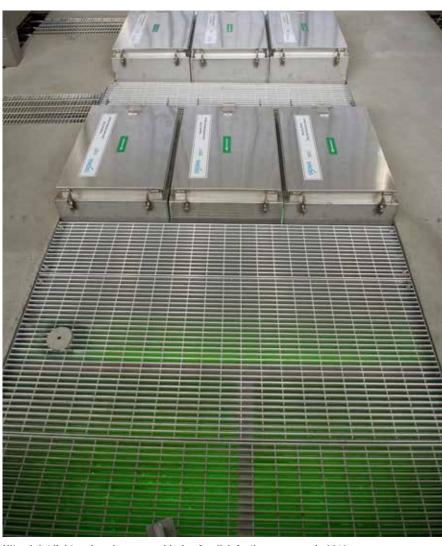
Wastewater from Colorado Springs enters the WRRF through three interceptors and a force main. The flow first encounters fine-step screens. Primary clarifiers remove settled solids and other floating materials. Aeration basins are being upgraded to enable anaerobic, anoxic, and aerobic zones to remove nitrogen and phosphorus in addition to carbonaceous pollutants. Secondary clarifiers separate settled mixed liquor solids before UV disinfection.



Biosolids from the treatment process are pumped 29 km (18 mi) south to the Clear Springs Ranch Solids Handling and Disposal facility for treatment and disposal.



Primary sedimentation tanks remove suspended matter and floatables from the treatment process to prepare wastewater for additional treatment. Colorado Springs Utilities



Ultraviolet light replaced gaseous chlorine for disinfection purposes in 2010.Colorado Springs Utilities