

# Wastewater Treatment Model

## EnviroScape Wastewater Treatment Model

Water treatment plays a vital role in sustaining the health of our environment as well as ensuring water quality standards are met for safe consumption. The EnviroScape Wastewater Treatment Model demonstrates how sewage/wastewater is treated and the role of biosolids and how they are being used.

**Wastewater treatment** process is visually apparent as sewage from city buildings, factories, and houses travels through a separate sewage pipe to the wastewater treatment plant where it goes through preliminary, primary, and secondary treatment, as well as disinfection.

**Biosolids** are produced from usable byproducts of the wastewater treatment process by means of anaerobic and aerobic digestion. The biosolids are transported by a truck to local farms to be applied to fields as fertilizer.

**The EnviroScape model teaches the drinking water, wastewater, and biosolids concepts.** The unit comes complete with a kit containing everything you need to demonstrate the path of water we use in our communities from the river to the water treatment plant, from the treatment plant to houses and 'city' buildings, from the use in the houses and city to the wastewater treatment plant, and from wastewater treatment into biosolids production and release back into rivers or creeks.

The EnviroScape Wastewater Treatment model is available to Clackamas County educators and civic groups at no charge for up to a two-week period. Contact Water Environment Services at (503) 353-4561 or email [benjam@co.clackamas.or.us](mailto:benjam@co.clackamas.or.us) to reserve the wastewater treatment model.



**The EnviroScape Wastewater Treatment Unit includes:** Drinking Water & Wastewater landscape top (topographical map), clear base, groundwater well containers, road sets, city buildings, factory, water tower, hospital/business building, school/mall, farmhouse, houses, bridge, truck, tractor, wells, wetlands, trees, buffer strips, septic field, incinerator building, drinking water treatment plant cover, wastewater treatment plant cover, filters and screens for wastewater plant, chemicals, oil, sewage/waste mixture, sewage assist, coagulants, dry biosolids, (cocoa, drink mixtures, gelatin, and rice), digester, water plug, watercatcher, and User's Guide.

