

**Nature** provides  
its own best solution to  
**protect** the environment



## Who Knew?

When wastewater enters the plant it is 99.9% water and 0.1% pollutants. The treatment process consistently removes over 95% of that 0.1% of pollutants.

95%



## Who Knew Trees Help Manage Wastewater?

The Biocycle Farm is a plantation of poplar trees owned by the Metropolitan Wastewater Management Commission (MWMC). But it's more than just acres and acres of trees. It's a vital part of the Commission's overall wastewater program because it helps to return valuable nutrients to the soil and keep land in productive agricultural use.

The farm is located on about 600 acres of agricultural land just west of the Biosolids Management Facility, off of Awbrey Lane in Eugene. Nearly 400 acres of poplars were planted in three different phases. The poplars are managed as an agricultural crop, and will be harvested and sold in the marketplace to provide revenue to offset operating expenses for the farm.

A citizen advisory committee gave their input on reuse options for biosolids which led the MWMC to purchase land

for the Biocycle Farm, providing many more effective ways for biosolids and recycled water (used for irrigation of trees) to be beneficially used.

## Where Does Biocycle Come from and Where Does It Go?

Biocycle comes from the processing of biosolids, which are an organic by-product of the wastewater treatment process.

Solids generated from the biological treatment of wastewater are pumped from the treatment plant on River Avenue to lagoons at the Biosolids Management Facility (BMF) on Awbrey Lane, where, over time, natural decomposition and other processes further stabilize the materials and reduce pathogens. The resulting organic materials are nutrient rich organic biosolids that have beneficial soil enhancement properties.



## Our Mission

To protect public health and safety and the environment by providing high quality wastewater management services to the Eugene-Springfield community.

After being processed at the BMF, biocycle is taken to drying beds where the water that isn't removed during processing evaporates. Windrows of biocycle are turned and processed. Eventually, a fine, dark, nutrient rich material with the appearance of rich soil is ready to be used as fertilizer.

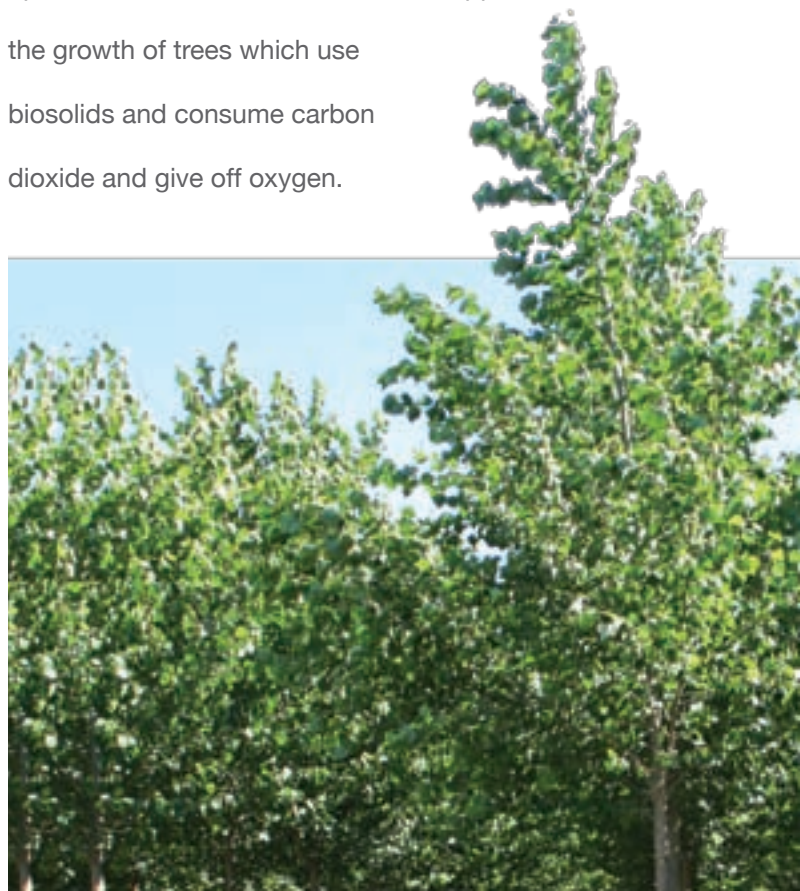
## The Benefits of Biocycle

Biocycle contains essential plant nutrients and organic matter that is used as a fertilizer and soil amendment.

Poplar trees grow very rapidly, efficiently consuming the nutrients in the biosolids, at high rates, making the Biocycle Farm a cost-effective method for recycling a wastewater treatment byproduct. During the last 20 years, local grass seed growers have benefited from the MWMC providing biosolids to fertilize their farms.

## The Right Water for the Right Use

Recycled water is cleaned wastewater that is put to beneficial use. The Biocycle Farm is irrigated with recycled water. This use expands the beneficial reuse options for treated wastewater, and supports the growth of trees which use biosolids and consume carbon dioxide and give off oxygen.





## Mission Statement

Our purpose is to protect public health and safety and the environment by providing high quality wastewater management services to the Eugene-Springfield community. MWMC and the regional partners are committed to providing these services in a manner that is effective, efficient and meets customer service expectations.

For more information on MWMC, please visit us at:

[www.mwmcpartners.org](http://www.mwmcpartners.org)  
[www.biocyclefarm.org](http://www.biocyclefarm.org)

### City of Springfield

Department of Environmental Services  
225 Fifth St.  
Springfield OR 97477  
(541) 726-3694  
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### City of Eugene

Public Works Wastewater Division  
410 River Ave.  
Eugene OR 97404  
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