

## We Want Your Feedback!

The Portage County Water Resources Department is soliciting input and gauging interest from potential end-users such as YOU. If you are interested in learning more about this product, its uses and availability, please contact John Vence, PE at Portage County Water Resources @ (330) 297-3677. Agency.

## Additional Information

Ohio Environmental Protection Agency

<http://www.epa.state.oh.us/dsw/sludge/biosolid.html>

National Biosolids Partnership

<http://www.biosolids.org/>



### PORTAGE COUNTY WATER RESOURCES

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### PORTAGE COUNTY WATER RESOURCES

## Class 'A' - Exceptional Quality Biosolids

Going Green!





## Class 'A' - Exceptional Quality BioSolids

## Project Description

The Streetsboro Wastewater Treatment Plant is currently designed to treat four million gallons of wastewater per day. The treated effluent is discharged to Tinkers Creek. The resulting solids by-product from this plant, along with five smaller plants in Portage County which haul their sludge to the Streetsboro facility, total nearly 1,000 dry tons per year.

Since the plant was constructed back in 1985, the solids byproduct has either been land-applied on local farm land or wasted in a landfill. The Portage County Water Resources Department has chosen to construct a new **Class 'A' - Exceptional Quality Biosolids** processing facility. The Class 'A' process at the Streetsboro Wastewater Treatment Plant will produce biosolids that are dry (less than 5% moisture content with a texture similar to coffee grounds) with no detectable pathogens. Class A biosolids must meet stringent state and federal regulations and are considered to be a first rate fertilizer by the Environmental Protection Agency. These biosolids will have many potential end uses that are accepted by the Ohio Environmental Protection Agency.



## Potential End-Uses

Class A biosolids can be touched and used safely by people with no restrictions. They can even be sold in stores for use in home-gardens. On average, the biosolids from this facility contain approximately 1.5% organic nitrogen, 3.4% phosphorus and 0.3% potassium (potash). Some of the Potential uses include, but are not limited to:

- ◆ May be used by soil blenders to produce nutrient rich top soil;
- ◆ Can be applied directly as natural slow release lawn and garden fertilizer – GREAT FOR GOLF COURSES;
- ◆ Can be mixed with compost materials to add vital nutrients;
- ◆ Can be used by commercial farmers as crop fertilizer;
- ◆ And many, many more.

## Class 'A' Success Stories

### Mason, OH

The City of Mason, OH constructed a new wastewater treatment facility in 2003, which incorporated a Class A biosolids drying process very similar to that being constructed in Streetsboro. The dried biosolids are utilized in over 240 acres of local parks. The remaining balance is sold to local farms and businesses for use as soil additives and fertilizers.

### Bryan, OH

The City of Bryan, OH constructed a biosolids dryer to take their biosolids facility to Class A – exceptional quality status. A large regional farmer supplies a roll-off container and takes all that the facility can produce.

### The Jones Island Wastewater Treatment Plant – Milwaukee, WI

The Jones Island Wastewater Treatment Plant in Milwaukee, Wisconsin has been processing biosolids and selling them as a source of organic fertilizer since the 1930's. Their Product, known commercially as Milorganite® is packaged and sold to the public as an organic lawn and garden fertilizer (6-2-0).

### Ocean County Utilities Authority (OCUA) – Ocean County, NJ

In 1997, the Ocean County (N.J.) Utilities Authority constructed a Class A – exceptional quality biosolids process, and began selling the product as OCEAN-GRO®, a slow-released organic fertilizer (5-5-0). They have recently stated that the demand for the product exceeds their available supply

## Availability

Construction of the new biosolids processing facility is scheduled to begin in mid to late 2009. The product will be available for pick up at the Streetsboro plant in the fall of 2010, located at:

9501 Jefferson Street  
Streetsboro, OH 44241