

## Three Rivers Regional Solid Waste Management Authority Landfill Gas to Energy Project

The Three Rivers Regional Solid Waste Landfill became Mississippi's second municipal solid waste landfill to install and operate a landfill gas to electricity generating facility to support a regional power grid. In this project, gas from the landfill is routed through a system of underground piping to an internal combustion engine driven generator set. The power generated is purchased and placed on the local power grid by Tennessee Valley Authority (TVA) as part of their Generation Partners Program.

The Three Rivers Regional Solid Waste Management Authority (TRSWMA) owns this regional municipal solid waste landfill located at 1904 Pontotoc Parkway West near Pontotoc in Pontotoc County. The Authority consists of a number of local government entities in Northeast Mississippi including Calhoun, Itawamba, Lafayette, Lee, Monroe, Pontotoc, and Union counties and the Cities of Aberdeen, Amory, New Albany, Oxford, Pontotoc, and Tupelo as well as other municipalities in the region. The landfill is operated by Waste Connections, Inc. In addition to TVA, the TRSWMA worked with several companies and organizations to make this project a reality including local power provider Pontotoc Electric Power Association (PEPA), Mid-South Consulting, 2G-Centergy, Curington Construction, McInnis Electric Co., LFG Specialties, and Mississippi Department of Environmental Quality (MDEQ).



The opening ceremony for the Three Rivers Regional Landfill gas to energy project was held on February 7, 2012. During this event a PEPA employee closed the switch directing power from the transformer, which converts the landfill gas to electricity, onto the local power grid. This action began the production of the first green electricity in Pontotoc County which is estimated to provide power to approximately 800-1,000 area homes.



The significant environmental benefits of the gas to electricity project are equivalent to the following:

- Over 8,200 passenger vehicles or
- Carbon sequestered by approximately 9,000 acres of pine or fir forest or
- CO2 emissions from over 4,700,000 gallons of gasoline consumed or
- CO2 emissions from burning approximately 230 railcars worth of coal.

**For more information on the Three Rivers Landfill Gas to Energy project, contact:**

Mr. Rick Faucette, Chairman  
Three Rivers Regional Solid Waste Management Authority  
Ph# (662) 489-2415

**Or visit:**

[www.threeriverslandfill.com](http://www.threeriverslandfill.com)

**For more information on the TVA Generation Partners Program, visit:**

<http://www.tva.com/greenpowerswitch/partners/index.htm>