



**Riverbank Filtration Tunnel and Pump Station  
B.E. Payne Water Treatment Plant  
Project Number 99-402**

<b>Contractor:</b>	Mole Constructors
<b>Construction Manager:</b>	Jordan Jones & Goulding
<b>Contract Amount:</b>	\$33,998,000
<b>Notice to Proceed:</b>	March 19, 2007
<b>Expected Completion Date:</b>	September 4, 2009

**Background:**

The Riverbank Filtration Tunnel and Pump Station project has been developed to meet future regulations as required by the Safe Drinking Water Act and also presents a number of opportunities for the advancement of water treatment for the Louisville Water Company. Riverbank Filtration is a purification process that uses the natural filtering processes of the riverbank to remove many of the particles and contaminants from the raw river water. The water from the Ohio River is filtered through the natural sand and gravel of the riverbank and then is pumped into the plant for additional treatment. Riverbank Filtration (RBF) provides an additional barrier for pathogen removal such as cryptosporidium and giardia, reduces risks associated with hazardous chemical spills, removes herbicides and pesticides in the water, and eliminates problems caused by Zebra mussels and Asiatic clams clogging water intakes. The water resulting from RBF offers benefits, such as low disinfection by-products in the finished water, and provides more stable incoming water temperature resulting in fewer water main breaks in the distribution system, as well as producing more aesthetically pleasing water.

**Overview:**

The Riverbank Filtration Tunnel will extend from a location within the B.E. Payne Water Treatment Plant to the confluence of Harrods Creek and the Ohio River. The Tunnel will be 1.5 miles in length and constructed in bedrock 150 feet below the ground surface. The finished diameter of the tunnel will be approximately 10 feet. The project also will include the installation of four collector wells capped at ground level. Two of the wells will be located in a pasture south of Transylvania Beach Road, one located on the B.E. Payne Water Treatment Plant property near the intersection of Transylvania Beach Road and the Concourse; and one well will be located midway along Transylvania Beach Road. The Tunnel will convey the riverbank filtered water to a new pump station to be located within the fenced area of the plant. The water will be treated in the plant and distributed to Louisville Water Company customers.

## What You Can Expect:

### Construction Duration:

- March 2007 through September 2009

Construction Site	Anticipated	Allowed
Tunnel at B.E. Payne	20 hrs/day @ 5 days per week, no holidays	24 hrs/day @ 7 days per week, including holidays
Non-tunnel Activities at B.E. Payne	7am 7pm Mon-Fri no holidays	24 hrs/day @ 7 days per week, including holidays
Collector Wells 2 and 5	7am 7pm Mon-Fri no holidays	24 hrs/day @ 7 days per week, including holidays
Collector Wells 3 and 4	7am 7pm Mon-Fri no holidays	12 hrs/day @ 7 days per week, no holidays

### Hauling Restriction:

- All Sites  
- 7AM-7PM, 7 days per week, includes holidays

### Blasting Restriction:

- All Sites  
- 7AM-7PM, Mon-Fri, & 9AM-5PM, Saturday, no Sundays or holidays

### What We Are Doing About It:

- Providing a Construction Management Team to oversee the contractor's work for compliance
- Sweeping construction site entrances and roadways as necessary
- Installing a wash station at the Plant to clean truck tires, if necessary
- Installing and maintaining erosion and sedimentation controls
- Shielding direct construction lighting to minimize community disturbance
- Limiting construction noise levels
- Communicating project information and status via web access
- Providing an information line for receiving questions and comments from the community
- Providing increased security at construction sites

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For further information regarding this project, please call the Louisville Water Company at (502) 583-6610 or go to <http://www.lwcriverbanktunnel.com>