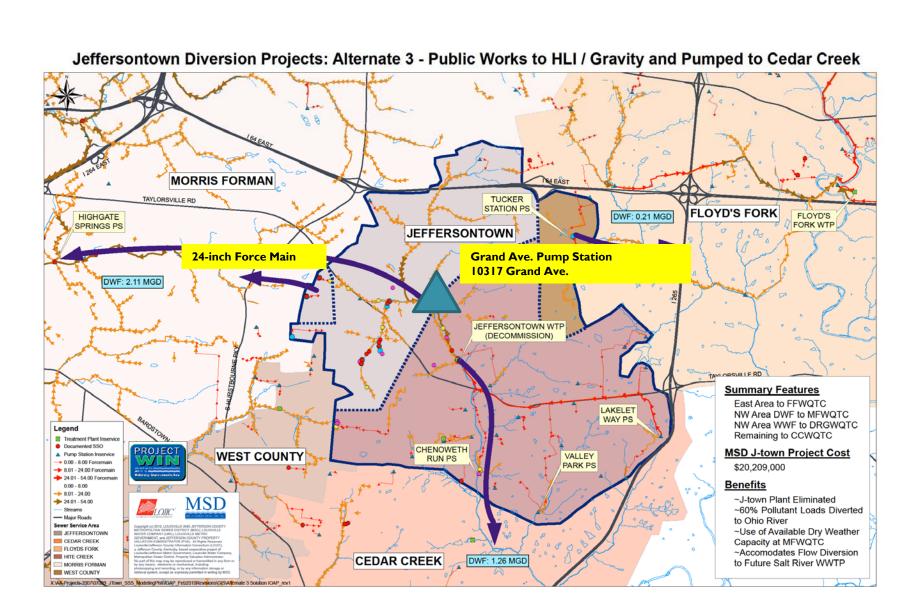
Jeffersontown Treatment Plant Elimination & Grand Avenue Pump Station

MSD will be eliminating the Jeffersontown Wastewater Treatment plant by the end of 2015.



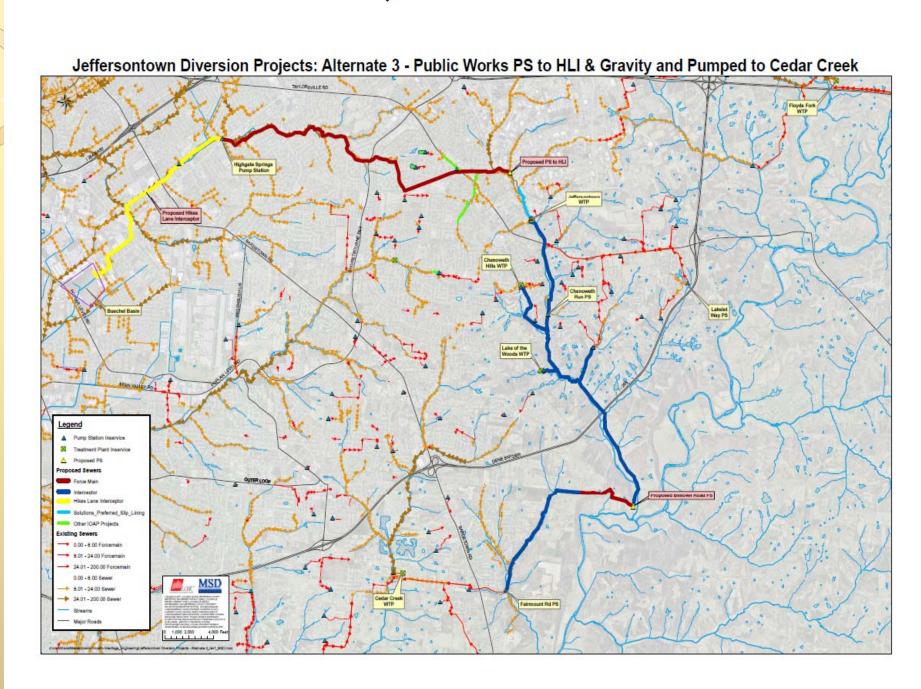


MSD's Amended Consent Decree: Required a plan by March 31, 2010 Required completion by December 31, 2015

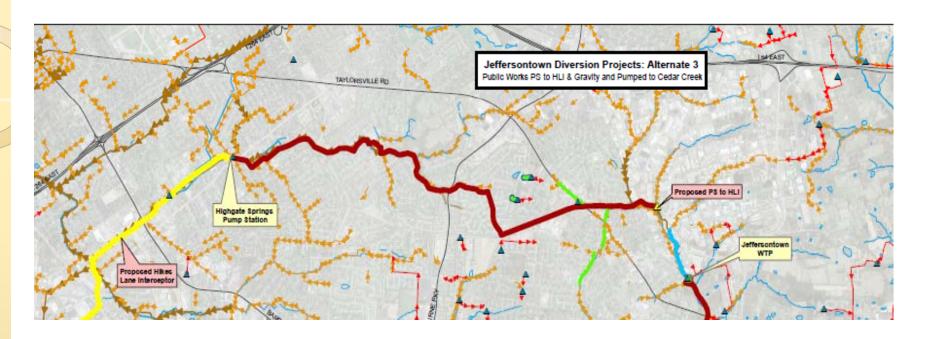




Jeffersontown Plant Elimination – North and South Series of Projects



North Section - Grand Avenue Pump Station Force Main and Klondike Interceptor



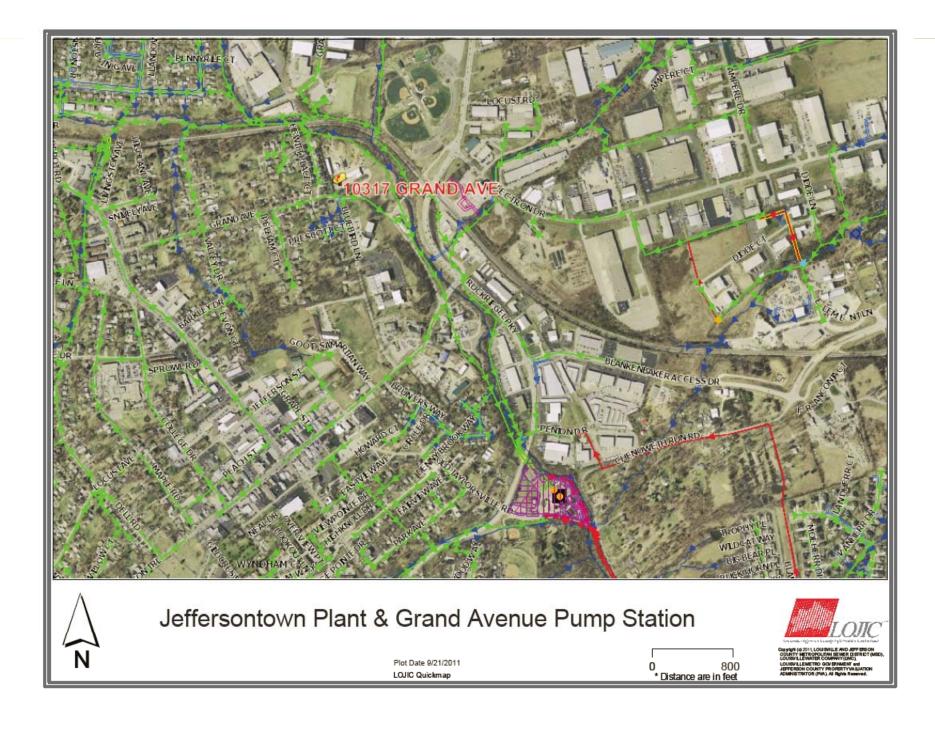
2/3 of the Flow from the Jeffersontown WQTC is diverted by the Grand Avenue Pump Station through 5 miles of 24-inch force main to the Morris Forman WQTC service area.

The pump station & force main are in the early stages of design, 10% - 30%.

The force main route has been selected and will send flow from the Pump Station to the Klondike Interceptor and then to the new Hikes Lane Interceptor, currently under construction. The route will be crossing Taylorsville Rd., South Hurstbourne Pky., Breckenridge Lane, Klondike Lane, and Hikes Lane.



Jeffersontown Plant Elimination



Grand Avenue Pump Station

The pump station is proposed to be located at 10317 Grand Avenue. The site is currently the home of the Jeffersontown Maintenance Facility.



Grand Avenue Pump Station









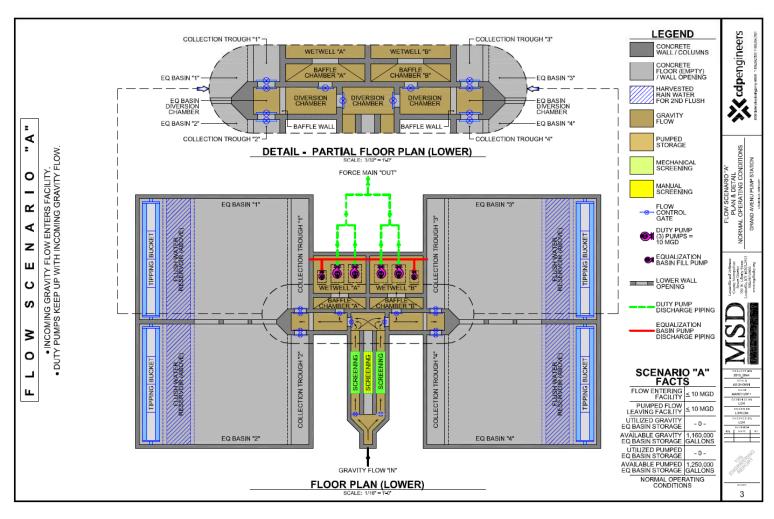




GRAND AVENUE PUMP STATION & HIGH-FLOW DETENTION FACILITY LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT



Grand Avenue Pump Station



The pump station will be an unique concept in MSD's system because it combines both a dedicated sanitary sewer pump station and a wet weather storage basin. .

Grand Ave. Force Main Route - east section



NOT TO SCALE

Jeffersontown Force Main East



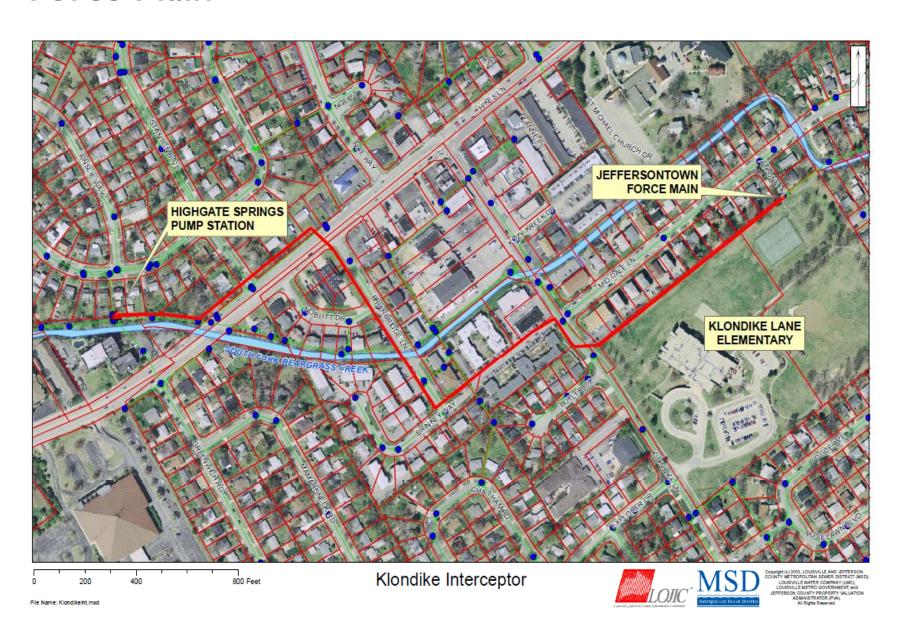


coyright (c) 2010, LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT (MIGD LOUISVILLE WATER COMPANY (LMC), LOUISVILLE WETRO GOVERNMENT, and JEFFERSON COUNTY PROPERTY VALUATION ADMINISTRATOR (PVA).

Grand Ave. Force Main – west section



Klondike Interceptor – outlet for the Grand Ave. Force Main



Jeffersontown Elimination North Section Construction Schedule – Completion Dates

- I. July 2013 Klondike Interceptor.
- 2. December 2014 Grand Ave. Pump Station & Force Main.
- 3. July 2015 Jeffersontown Plant & Siphon Elimination and Demolition



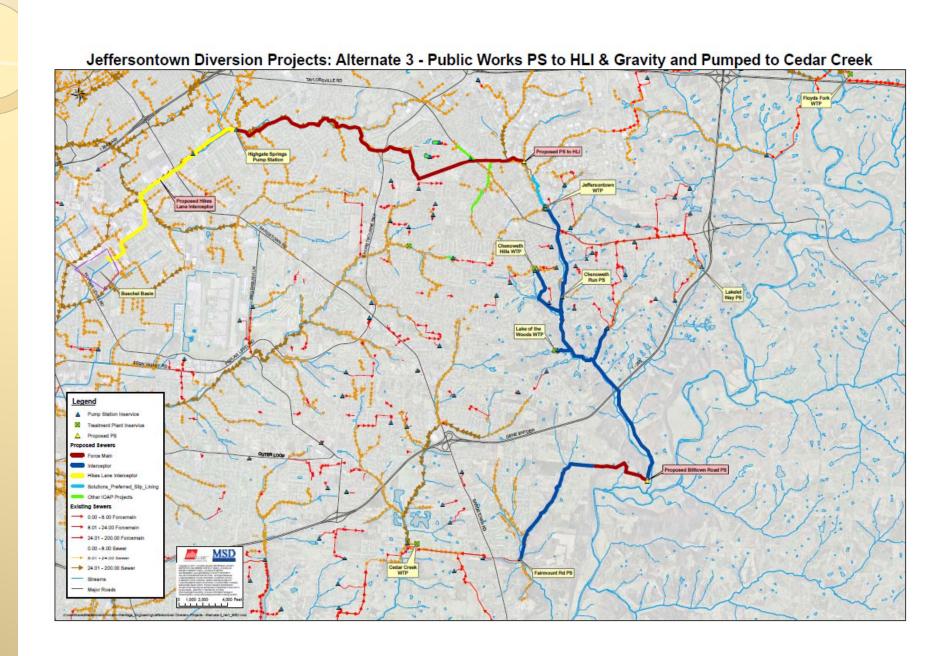
Jeffersontown Plant Elimination - Upstream manhole and siphon. Scheduled for removal by July 2015.



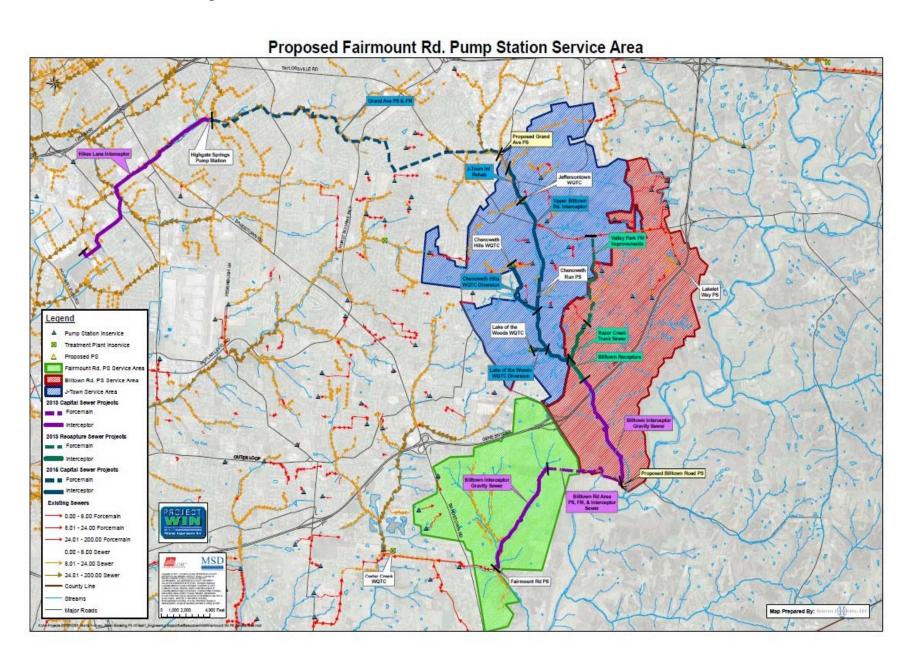
Jeffersontown Plant Elimination - Construction Schedule is July 2015. Consent Deadline is Dec. 2015.



Jeffersontown Plant Elimination – South of Grand Ave. Pump Station



Jeffersontown Plant Elimination – South of Grand Ave. Pump Station



Jeffersontown Elimination South Section Construction Schedule – Completion Dates

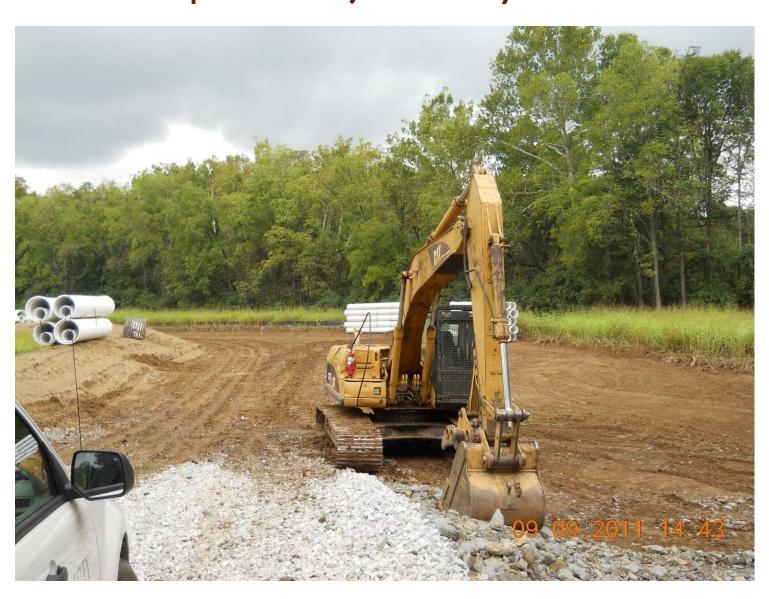
May 2012 – Billtown Interceptor, Pump Station, Broad Run Interceptor, & Fairmont Rd PS Upgrade.



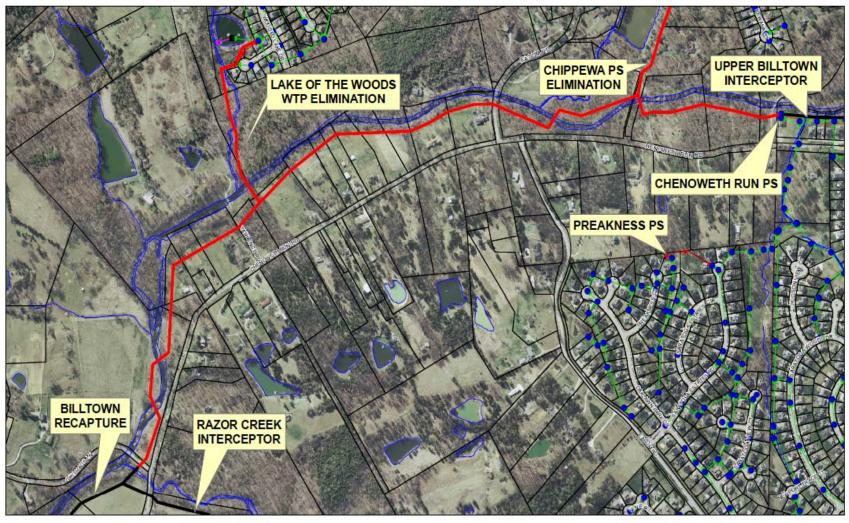
Jeffersontown Plant Elimination – Billtown Interceptor – May 2012

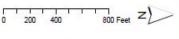


Jeffersontown Plant Elimination Billtown Recapture Project – May 2012



Chenoweth Run Int., Pump Station & Lake of the Woods Plant Elimination – December 2013











Jeffersontown Plant Elimination — Chenoweth Run PS Elimination. Scheduled for Dec. 2013.



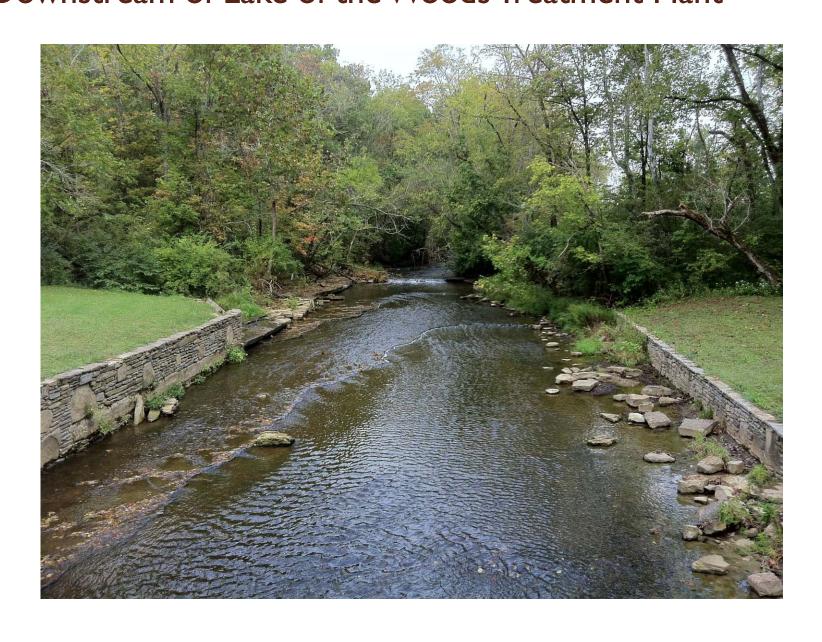
Jeffersontown Plant Elimination — Lake of the Woods Plant Elimination. Scheduled for Dec. 2013.



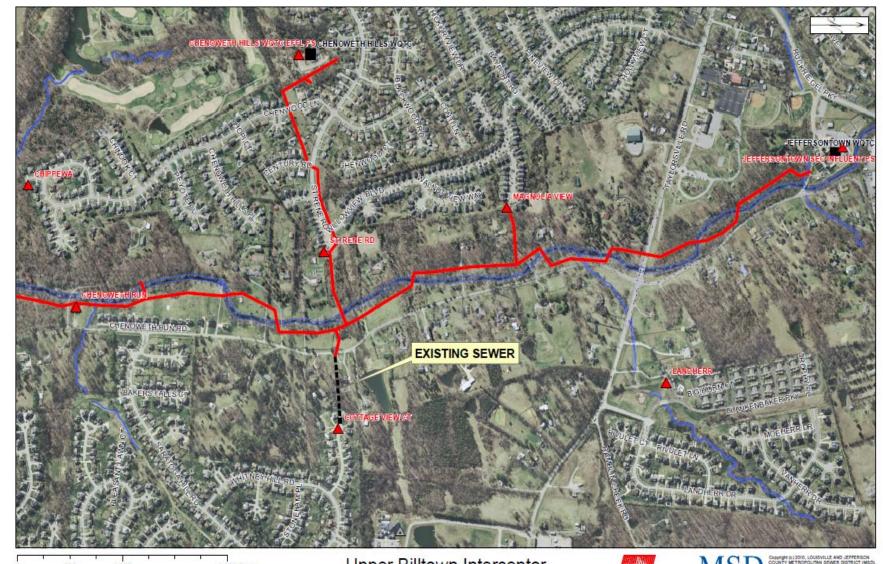
Jeffersontown Plant Elimination – Lake of the Woods Plant Elimination



Jeffersontown Plant Elimination - South Section Chenoweth Run Creek. Downstream of Lake of the Woods Treatment Plant



Upper Billtown Interceptor and Chenoweth Hills Plant Elimination – June 2014







Jeffersontown Plant Elimination — Chenoweth Hills Plant Elimination. Scheduled for June 2014



Jeffersontown Plant Elimination - Chenoweth Run Creek



Jeffersontown Plant Elimination- South Section Upper Billtown Interceptor will terminate at the Jeffersontown Plant.



Jeffersontown Plant Elimination - Construction Sequence & Milestones

Goal: Beat Consent Decree Deadline

- Complete Southern Section Billtown & Chenoweth Run Interceptors by June 2014.
- Complete Northern Section Klondike Int. & Grand Ave. PS and FM by December 2014.
- Divert 2/3 flow to MFWQTC.
- Divert I/3 flow to Cedar Creek WQTC.
- Demolition of Plant & eliminate Siphon by July 2015.

Making Progress;
Lower Billtown Interceptors and Seatonville Pump
Station – Under Construction and Complete in 2012
New Regional Pump Station Example



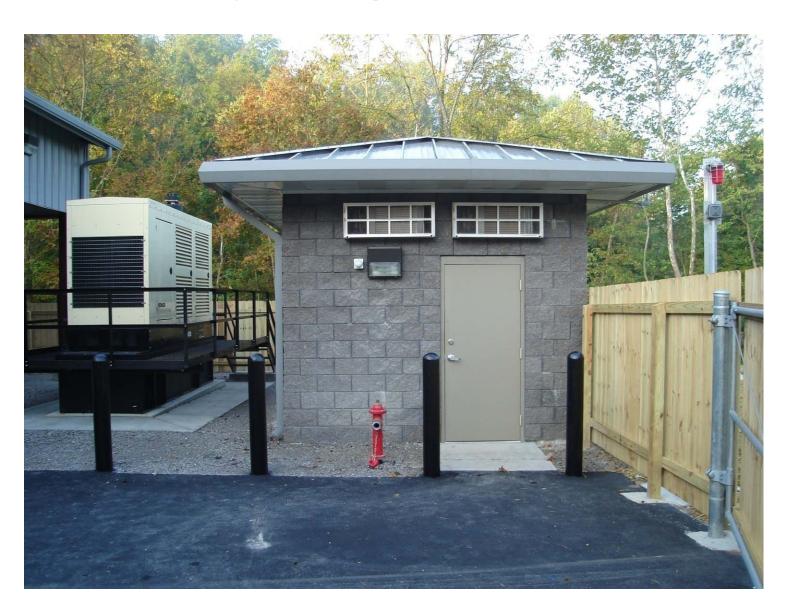
Billtown/Seatonville Pump Station Example



Upgraded features with odor control – Bioxide and Carbon Filters



Upgraded Features - Generator for power outages to prevent overflows

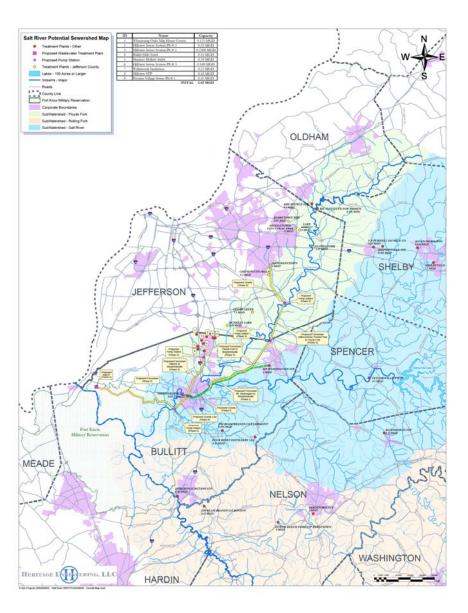


Jeffersontown Plant Elimination & Related Projects – North & South Sections

Total Cost Estimate = \$47.5 Million Benefits Include:

- Improved water quality in Chenoweth Run Creek and Floyds Fork Creek by elimination of plant effluent (three treatment plants).
- Reduces wet weather discharges by addressing SSO's during heavy rain events.
- Saves annual operating cost from 3 plants and 6 pump stations (\$100,000 per year).
- Prevents future upgrade cost of existing plants.
- Plans for the future growth and potential regional solution.

Jeffersontown Treatment Plant Elimination



- Future Regional Solution
- HB26 2011
- Potential regional plant on the Salt River.
- Serve multiple Counties.
- Plans allow for flows to divert to regional plant.



Jeffersontown Plant Elimination & Related Projects Summary

Benefits includes elimination of:

- Three treatment plants;
 - I. Jeffersontown
 - 2. Chenoweth Hills
 - 3. Lake of the Woods
- Six Pump Stations;
 - Chenoweth Run
 - 2. Chippewa
 - 3. Valley Park
 - 4. Magnolia View
 - 5. St. Rene Ct.
 - 6. Cottage View Ct.
- Provides potential gravity outlet for more PS.

Jeffersontown Plant Elimination Thank You! David M. Schaftlein, PE Engineering Manager

