

NORTHERN KENTUCKY  
WATER DISTRICT

*Project*

*Memorial Parkway Treatment Plant*  
*Advanced Treatment Facility*

Campbell County  
184-0456

**Memorial Parkway Treatment Plant**  
**Advanced Treatment Project**

Project 184-456

**Project Description:**

The project involves the construction of a new concrete and masonry brick building within the basins previously used for flocculation and sedimentation treatment processes. The new building will house 6 granular activated carbon contactors with 10 feet of carbon media; a low lift pumping station with 4 vertical turbine pumps and variable speed drives plus 2 smaller vertical turbine pumps to provide slurry water for carbon loading and unloading; 2 medium pressure ultraviolet disinfection reactors; replacement of 2 existing horizontal centrifugal pumps to provide backwash water for the existing filters and new carbon contactors; a diesel driven standby power generator; and ancillary facilities including control through the existing SCADA system, mechanical HVAC and plumbing systems, and electrical systems.

The bids were opened December 16, 2009 and are subject to acceptance for 123 days. Therefore, the bids will expire April 16, 2010. The project is scheduled to take 24 months to substantial completion and another 2 months to reach final completion.

The estimated cost of the total project with engineering, construction, and contingencies is \$15,300,000. The District anticipates using an \$8,000,000 State Revolving Fund loan to finance a portion of this project.

**NORTHERN KENTUCKY WATER DISTRICT**  
**Memorial Parkway Treatment Plant Advanced Treatment Facility**  
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<b><u>EXHIBIT</u></b>	<b><u>TITLE</u></b>
A	<b>ENGINEERING REPORTS AND INFORMATION</b> Project map, Basis of Design Memorandum; Engineer's opinion of probable total construction cost; CH2M Hill plans titled "Advanced Treatment Facility Memorial Parkway Treatment Plant" dated November, 2009, sealed by a P.E.; HDR Quest specifications titled "Advanced Treatment Facility Memorial Parkway Treatment Plant" dated November, 2009 and sealed by a P.E.
B	Certified statement from an authorized utility Official confirming:  (1) Affidavit  (2) Franchises  (3) Plan review and permit status  (4) Easements and Right-Of-Way status  (5) Construction dates and proposed date in service  (6) Plant retirements
C	<b>BID INFORMATION AND BOARD RESOLUTION</b> Bid tabulation, Engineer's recommendation of award, Board resolution.
D	<b>PROJECT FINANCE INFORMATION</b> Customers added and revenue effect, Debt issuance and source of debt, Additional costs and operating and maintenance, USoA plant account, Depreciation cost and debt service after construction.
E	<b>PSC ANNUAL REPORT - 2008</b>
F	<b>SCHEDULE OF MORTGAGES, BONDS, NOTES, AND OTHER INDEBTEDNESS</b>
G	<b>CURRENT BALANCE SHEET AND INCOME STATEMENT</b>