



Steven L. Beshear  
Governor

Leonard K. Peters  
Secretary  
Energy and Environment Cabinet

Commonwealth of Kentucky  
**Public Service Commission**  
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David L. Armstrong  
Chairman

James W. Gardner  
Vice Chairman

Daniel E. Logsdon Jr.  
Commissioner

July 8, 2015

## PARTIES OF RECORD

Re: Case No. 2015-00192

Attached is a copy of an email dated July 8, 2015, between David Spenard and Matt Curtis. This document and attachments have been filed in the record of the above-referenced case. Any comments regarding this email should be submitted to the Commission within five days of receipt of this letter.

Any questions regarding this letter should be directed to David Spenard, Staff Attorney, at (502) 782-2580.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeff Derouen".

Jeff Derouen  
Executive Director

DES/ph

Attachments

## Spenard, David E (PSC)

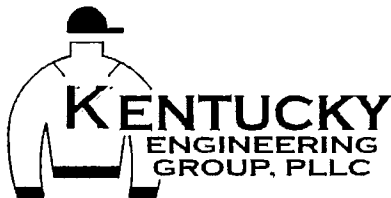
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**From:** Matt Curtis <mcurtis@kyengr.com>  
**Sent:** Wednesday, July 08, 2015 10:33 AM  
**To:** Spenard, David E (PSC)  
**Cc:** 'Randy Jones'; 'Jim Thompson'; deanm.hall@bellsouth.net  
**Subject:** Southern Water & Sewer District - Case No. 2015-00192  
**Attachments:** DOW Deficiency Ltr.PDF; Engineering Estimate - WTP.pdf

David,

This email is to document phone conversations with yourself and George Wakim regarding the above referenced case for Southern Water and Sewer District. The original funding application submitted to USDA Rural Development included WTP improvements to help address deficiencies identified by DOW during their Drinking Water Sanitary Survey (See attached) and other improvements that have been deemed of need at the WTP in Allen. The District and Kentucky Engineering Group, PLLC staff reviewed the WTP and developed the attached cost opinion of work to be completed at the WTP.

If you should have any further questions feel free to give me a call to discuss. Thanks.



**Matt R. Curtis, P.E.**  
**Kentucky Engineering Group, PLLC**  
P.O. Box 1034  
Versailles, KY 40383  
Office: 859.251.4127  
Office Fax: 859.251.4137  
Cell: 502.370.6551  
e-mail: [mcurtis@kyengr.com](mailto:mcurtis@kyengr.com)

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STEVEN L. BESHEAR  
GOVERNOR

LEONARD K. PETERS  
SECRETARY

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

November 19, 2012

Hubert Halbert  
Southern Water & Sewer District  
PO Box 610  
McDowell, KY 41647

RE: AF: 1318  
PWSID: KY0360026  
Drinking Water Sanitary Survey

Dear Mr. Halbert:

The Division of Water conducted a Drinking Water Sanitary Survey (attached) of Southern Water & Sewer District on October 24 and 26, 2012. A Capacity Development assessment was done as part of the survey.

**Non Significant (written response within 90 days must address deficiencies as resolved or provide a corrective action plan; February 17, 2013)**

- The system does not have an approved carbon feed system.
- The individual filter turbidimeter display is malfunctioning and they are unable to be calibrated properly. The filtered water flow line to the meters does not flow properly.
- The diffusers in the bottom of the filters are not working properly. This is preventing a proper backwash of the filters and leading to mounding and clumping of the filters. Filters need to be repaired and possibly the media will need to be changed.

**The Division Recommends:**

- Updating the Cross Connection Control Plan annually.
- Updating the water purchase contracts since they are legal agreements with entities that no longer exist.
- Taking appropriate measures to ensure that all operations are covered by properly certified operators since their current staffing does not allow the system to be properly staffed during operator illness or vacations.
- Developing a documented plan governing water main extensions.
- Reducing accounted for and unaccounted for non-revenue water.
- Professionally inspecting and cleaning tanks if necessary every 5 years.

All deficiency responses should be sent to the attention of Noah Taylor, Compliance and Technical Assistance Branch, Division of Water, 200 Fair Oaks Lane, 4<sup>th</sup> Floor, Frankfort, KY 40601 (phone (502) 564-8158, extension 4978).



## Preliminary Project Cost Estimate

Project : SWSD Water Treatment Plant Improvements

Date : 02/12/13

Job No. :

Revised :

Est. By:

BKL

ITEM NO.	SUMMARY OF: SWSD Water Treatment Plant Improvements	QUANTITY			TOTAL COST
		NO. OF UNITS	UNIT MEAS.	COST PER UNIT	
1	New Filter Turbidimeter (3 Filters & Combined)	4	EA	\$5,000	\$20,000
2	Clean & Paint Filter Box	3	EA	\$10,000	\$30,000
3	Repair/Replace Filter Nozzles (3 Filters)	1	LS	\$43,000	\$43,000
4	Replace Filter Influent Valves & Actuators (#1)	1	LS	\$6,000	\$6,000
5	Replace Rate-of-Flow (3 Filters)	3	EA	\$4,000	\$12,000
6	Replace Waste to Drain Valves & Actuators (#1)	1	EA	\$4,500	\$4,500
7	Replace Surface Wash (#1)	1	LS	\$6,500	\$6,500
8	New Filter Media & Sand (3 Filters)	3	EA	\$20,500	\$61,500
9	Replace Effluent Valve & Actuator (#1)	1	LS	\$3,000	\$3,000
10	Replace Waste to Drain Valves & Actuators (#2 & #3)	2	EA	\$3,500	\$7,000
11	Replace Surface Wash (#2 & #3)	2	EA	\$4,000	\$8,000
12	Replace Effluent Valve & Actuator (#2 & #3)	2	EA	\$6,000	\$12,000
13	Replace Level/Pressure Transducer ( 3 Filters)	3	EA	\$4,000	\$12,000
14	Carbon Feeder Equipment	1	LS	\$40,000	\$40,000
<b>SUBTOTAL AMOUNT</b>					<b>\$265,500</b>
10% CONST. CONTINGENCY					\$26,550
			ENGINEERING	11.50%	\$48,050
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					<b>\$340,100</b>

\*Honorable W. Randall Jones  
Attorney at Law  
Rubin & Hays  
Kentucky Home Trust Building  
450 South Third Street  
Louisville, KENTUCKY 40202

\*Southern Water & Sewer District  
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McDowell, KY 41647