

**Brent E
O'Neill/ILAWC/AWWSC**
03/04/2013 09:21 PM

To Zachery B. Dukes/KAWC/AWWSC@AWW,
cc
bcc
Subject Fw: KAW - Richmond Road Filter - Comparison of Cost
Estimates for Filter Gallery Improvements - CPS Report vs.
Temporary Measures

Zach -

Has Javier sent this to you to review?

Can we discuss and see what Kevin thinks of this approach some time this week ?

Thanks -



Brent O'Neill
Engineering Manager
Belleville, Illinois
618.239.3253
618.975.6590

----- Forwarded by Brent E O'Neill/ILAWC/AWWSC on 03/04/2013 08:18 PM -----



**Andy
Higgins/SERVCO/AWWSC**
02/28/2013 05:34 PM

To Brent E O'Neill/ILAWC/AWWSC@AWW
cc Gary A Naumick/SYSENG/CORP/AWWSC@AWW, James J
Chelius/SYSENG/CORP/AWWSC@AWW, Javier E
Jimenez/SERVCO/AWWSC@AWW, Peter J
Keenan/SYSENG/CORP/AWWSC@AWW, Michael E
McDonald/SERVCO/AWWSC@AWW
Subject Re: KAW - Richmond Road Filter - Comparison of Cost
Estimates for Filter Gallery Improvements - CPS Report vs.
Temporary Measures

Brent:

As per our discussions over the phone thursday evening, cost estimates for repairs to the Richmond Road Filter Piping Gallery were prepared by American Water Engineering as part of the CPS Report submitted to KAW. The CPS indicated that repairs on the order of \$500,000 would be required to repair pipe supports, concrete beams, floor slabs and cracks in the concrete tank walls. This approach, as outlined in the report, was comprehensive in that it provided for repairs to last 20+ years and covered more than just pipe hanger supports. It was intended to prolong the life of the entire structure and assumed the facility would remain in service for the next 20+ years.

As a result of the high cost and the possibility that the structure may be replaced, KAW asked whether a lower cost alternative was available to address the immediate safety issue related to the pipe hangers and several of the support beams. Javier Jimenez, AW's Structural Engineer, has prepared such an alternative design costing approximately \$118,000.

The proposed alternative can be summarized as follows:

- Floor mounted pipe supports and cross members fabricated to temporary enhance existing pipe supports for 30 and 36 inch cast iron raw water pipe.
- Floor mounted pipe supports in the entrance area of the pipe gallery to support severely corroded floor slab beams
- This is considered a temporary measure and is only expected to remain in service over the next 3-5 years
- Does not address cracks and leakage from the tanks to the gallery floor
- Does not address exposed rebar associated with the beams and floor slab
- Will further restrict movement in piping gallery as a result of the installation of additional columns and cross members

These repairs should be implemented as soon as possible. I have attached copies of the design drawings and an engineer's estimate. These drawings are suitable for obtaining bids for the improvements.

If you need an additional information, we would be glad to provide assistance.

Andy Higgins



Structural Dwgs Set.pdf



Cost Estimate.pdf

Andrew J. Higgins, Ph.D., P.E.
American Water Engineering
Engineering Practice Leader
3906 Church Road
Mount Laurel, NJ 08054
P 856.727.6162
F 856.727.6199
C 908.510.4435
andy.higgins@amwater.com

Regular Mail Sent To:
1025 Laurel Oak Road
Voorhees, NJ 08043



Andy
Higgins/SERVCO/AWWSC

02/28/2013 06:34 PM

To Brent E O'Neill/ILAWC/AWWSC@AWW,

cc Gary A Naumick/SYSENG/CORP/AWWSC@AWW, James
J Chelius/SYSENG/CORP/AWWSC@AWW, Javier E
Jimenez/SERVCO/AWWSC@AWW, Peter J

bcc

Subject Re: KAW - Richmond Road Filter - Comparison of Cost
Estimates for Filter Gallery Improvements - CPS Report vs.
Temporary Measures

History: This message has been forwarded.

Brent:

As per our discussions over the phone thursday evening, cost estimates for repairs to the Richmond Road Filter Piping Gallery were prepared by American Water Engineering as part of the CPS Report submitted to KAW. The CPS indicated that repairs on the order of \$500,000 would be required to repair pipe supports, concrete beams, floor slabs and cracks in the concrete tank walls. This approach, as outlined in the report, was comprehensive in that it provided for repairs to last 20+ years and covered more than just pipe hanger supports. It was intended to prolong the life of the entire structure and assumed the facility would remain in service for the next 20+ years.

As a result of the high cost and the possibility that the structure may be replaced, KAW asked whether a lower cost alternative was available to address the immediate safety issue related to the pipe hangers and several of the support beams. Javier Jimenez, AW's Structural Engineer, has prepared such an alternative design costing approximately \$118,000.

The proposed alternative can be summarized as follows:

- Floor mounted pipe supports and cross members fabricated to temporary enhance existing pipe supports for 30 and 36 inch cast iron raw water pipe.
- Floor mounted pipe supports in the entrance area of the pipe gallery to support severely corroded floor slab beams
- This is considered a temporary measure and is only expected to remain in service over the next 3-5 years
- Does not address cracks and leakage from the tanks to the gallery floor
- Does not address exposed rebar associated with the beams and floor slab
- Will further restrict movement in piping gallery as a result of the installation of additional columns and cross members

These repairs should be implemented as soon as possible. I have attached copies of the design drawings and an engineer's estimate. These drawings are suitable for obtaining bids for the improvements.

If you need an additional information, we would be glad to provide assistance.

Andy Higgins



Structural Dwgs Set.pdf



Cost Estimate.pdf

Andrew J. Higgins, Ph.D., P.E.

American Water Engineering
Engineering Practice Leader
3906 Church Road
Mount Laurel, NJ 08054
P 856.727.6162
F 856.727.6199
C 908.510.4435
andy.higgins@amwater.com

Regular Mail Sent To:
1025 Laurel Oak Road
Voorhees, NJ 08043



**Cheryl D
Norton/KAWC/AWWSC**
03/28/2013 04:25 PM

To Nick Rowe/SERVCO/AWWSC@AWW,
cc Brent E O'Neill/ILAWC/AWWSC
bcc
Subject Additional capital needs for 2013

Nick - I am requesting an additional \$5.5 M in capital for 2013 primarily due to the slippage of the Northern Division connection and 607 projects (\$2.4 M) and the Jacobson Reservoir Pump efficiency project (\$2.3 M). In addition, we have two safety related projects (filter building improvements and a chlorine scrubber replacement at RRS - \$600 K). The repairs at the filter building are only temporary fixes and based on information from the recently drafted CPS, we need to construct a new filter building to replace our current 80+ year old facility. Design work needs to begin in 2013 to have the project completed for the next rate case (\$500 K).

Brent and I would be happy to meet with you to discuss in further detail if you need additional information or have questions.

Thanks for your consideration.

Cheryl

Cheryl D. Norton
President
Kentucky American Water
2300 Richmond Road
Lexington, KY 40502-1390

Office (859) 268-6339
Internal (7 + 533-6339)
Cell (859) 533-3540


***** Internet E-mail Confidentiality Disclaimer *****

This e-mail message may contain privileged or confidential information. If you are not the intended recipient, you may not disclose, use, disseminate, distribute, copy or rely upon this message or attachment in any way. If you received this e-mail message in error, please return by forwarding the message and its attachments to the sender.

American Water, its subsidiaries and affiliates, does not accept liability for any errors, omissions, corruption or virus in the contents of this message or any attachments that arise as a result of e-mail transmission.



Cheryl D
Norton/KAWC/AWWSC
03/28/2013 04:34 PM

To: Nick Rowe/SERVCO/AWWSC@AWW,
cc: "Brent E O'Neill" <Brent.ONeill@amwater.com>, "Gary A Naumick" <Gary.Naumick@amwater.com>
bcc:
Subject: Re: Additional capital needs for 2013 

Sounds great. Thanks.

Cheryl D. Norton
President
Kentucky American Water
2300 Richmond Road
Lexington, KY 40502-1390

Office (859) 268-6339
Internal (7 + 533-6339)
Cell (859) 533-3540

***** Internet E-mail Confidentiality Disclaimer *****

This e-mail message may contain privileged or confidential information . If you are not the intended recipient, you may not disclose, use, disseminate, distribute, copy or rely upon this message or attachment in any way. If you received this e-mail message in error, please return by forwarding the message and its attachments to the sender.

American Water, its subsidiaries and affiliates , does not accept liability for any errors, omissions, corruption or virus in the contents of this message or any attachments that arise as a result of e-mail transmission.

From: Nick Rowe/SERVCO/AWWSC
To: "Cheryl D Norton" <Cheryl.Norton@amwater.com>
Cc: "Brent E O'Neill" <Brent.ONeill@amwater.com>, "Gary A Naumick" <Gary.Naumick@amwater.com>
Date: 03/28/2013 04:32 PM
Subject: Re: Additional capital needs for 2013

We will a schedule some time next week to discuss . I will want to understand how much of this additional capex will be recovered in the current case? With a future test year we should have most covered ? In the interim I will see if anyone in the central div has any capex that they willnot spend this year . Sort of early so no one may give up capex this early .

I am copying Gary as FYI as we will soon schedule a meeting at the divisional level to review capex .

Sent from my iPhone

On Mar 28, 2013, at 3:25 PM, "Cheryl D Norton" <Cheryl.Norton@amwater.com> wrote:

> Nick - I am requesting an additional \$5.5 M in capital for 2013 primarily due to the slippage of the Northern Division connection and 607 projects (\$2.4 M) and the Jacobson Reservoir Pump efficiency project (\$2.3 M). In addition, we have two safety related projects (filter building improvements and a chlorine scrubber replacement at RRS - \$600 K). The repairs at the filter building are only temporary fixes and based on information from the recently drafted CPS, we need to construct a new filter building to replace our current 80+ year old facility. Design work needs to begin in 2013 to have the project completed for the next rate case (\$500 K).

>

> Brent and I would be happy to meet with you to discuss in further detail if you need additional information or have questions.

>

> Thanks for your consideration.

>

> Cheryl

>

>

>

>

> Cheryl D. Norton

> President

> Kentucky American Water

> 2300 Richmond Road

> Lexington, KY 40502-1390

>

> Office (859) 268-6339

> Internal (7 + 533-6339)

> Cell (859) 533-3540

>

>

> ***** Internet E-mail Confidentiality Disclaimer *****

>

> This e-mail message may contain privileged or confidential information. If you are not the intended recipient, you may not disclose, use, disseminate, distribute, copy or rely upon this message or attachment in any way. If you received this e-mail message in error, please return by forwarding the message and its attachments to the sender.

>

> American Water, its subsidiaries and affiliates, does not accept liability for any errors, omissions, corruption or virus in the contents of this message or any attachments that arise as a result of e-mail transmission.

>