

**From:** [Tim.Luther@CH2M.com](mailto:Tim.Luther@CH2M.com)  
**To:** [Healey, Richard](mailto:Healey.Richard)  
**Cc:** [tnyander@fayetteville-ar.gov](mailto:tnyander@fayetteville-ar.gov); [lhyke@fayetteville-ar.gov](mailto:lhyke@fayetteville-ar.gov); [Steven.Carpenter@ch2m.com](mailto:Steven.Carpenter@ch2m.com); [Mayo.Miller@ch2m.com](mailto:Mayo.Miller@ch2m.com); [Michelle.Strange@CH2M.com](mailto:Michelle.Strange@CH2M.com); [Thom.Vinson@ch2m.com](mailto:Thom.Vinson@ch2m.com); [Jeff.Hickle@ch2m.com](mailto:Jeff.Hickle@ch2m.com); [Blanz, Bob](mailto:Blanz.Bob); [Osborne, Caleb](mailto:Osborne.Caleb); [Bolenbaugh, Jason](mailto:Bolenbaugh.Jason); [Reiber, Loretta](mailto:Reiber.Loretta); [McWilliams, Carrie](mailto:McWilliams.Carrie); [Pemberton, Layne](mailto:Pemberton.Layne); [McDonald, Scott](mailto:McDonald.Scott)  
**Subject:** RE: Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102 Effluent Spill  
**Date:** Monday, February 06, 2017 6:41:33 PM

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Mr. Healey,

On Friday February 3<sup>rd</sup>, City of Fayetteville crews were able to install clamps to slow the leak but not stop the leak entirely. The estimated leak flow was reduced from the 500 gallons per minute to an estimated 100 gallons per minute. To protect the plant biological process we resumed influent feed to the Noland WRRF bioprocess at 12:42 p.m. on 2-3-17. As expected we did see spikes in our effluent permitted parameters once flow began to reach stages of the plants processes. This plant effluent flow was diverted to the effluent holding pond until the effluent can be re-processed to meet permitted limits. As mentioned in previous updates the 60" effluent pipe that has the leak is also the pipe that sends flow to the effluent holding pond for storage. Staff implemented steps to collect and pump the spilled effluent from the leaking pipe to the effluent holding pond for later treatment.

On Saturday February 4<sup>th</sup>, the plant effluent met permitted parameters and discharge was resumed at 17:49 p.m. to the White River. Although the effluent leaking from the 60" pipe is meeting effluent permit requirements we continue to pump the leak flow to a holding pond. This will insure that all flow to the White River is being measured, including the leak flow, until the leak is repaired.

The City of Fayetteville is continuing their efforts to stop the leak completely. Another type of 60" clamp was ordered today that should stop the leak. Due to the enormous size of the pipe this clamp has a two to three day lead time to make the clamp. We will notify you once this new clamp is installed.

We informed Beaver Water District when this leak was discovered and also updated them on Friday when it became necessary to resume influent flow to the biological process. We will continue to keep them informed until the leak is stopped.

Best regards,

**Tim Luther**

*Operations Manager*

**D** 479 443 3292

**C** 479 790 4747

**F** 479 443 5613

**CH2M**

1400 N Fox Hunter Road

Fayetteville, AR 72701

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**From:** Healey, Richard [mailto:HEALEYR@adeq.state.ar.us]  
**Sent:** Monday, February 06, 2017 12:33 PM

**To:** Luther, Tim/FAY <Tim.Luther@CH2M.com>

**Cc:** 'tnyander@fayetteville-ar.gov' <tnyander@fayetteville-ar.gov>; 'lhyke@fayetteville-ar.gov' <lhyke@fayetteville-ar.gov>; Carpenter, Steven/CRP <Steven.Carpenter@ch2m.com>; Miller, Mayo/Fay <Mayo.Miller@ch2m.com>; Strange, Michelle/FAY <Michelle.Strange@CH2M.com>; Vinson, Thom/FAY <Thom.Vinson@ch2m.com>; Hickle, Jeff/FAY <Jeff.Hickle@ch2m.com>; Blanz, Bob <blanz@adeq.state.ar.us>; Osborne, Caleb <osbornec@adeq.state.ar.us>; Bolenbaugh, Jason <BOLENBAUGH@adeq.state.ar.us>; Reiber, Loretta <REIBER@adeq.state.ar.us>; McWilliams, Carrie <mcwilliamsc2@adeq.state.ar.us>; Pemberton, Layne <PEMBERTON@adeq.state.ar.us>; McDonald, Scott <mcdonald@adeq.state.ar.us>

**Subject:** FW: Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102 Effluent Spill [EXTERNAL]

Tim

Please continue to provide ADEQ updates on your progress to stop the leak and repair the 60" effluent discharge line at the Noland WRRF.

If you have not already, ADEQ request you also notify Beaver Water District of your upset condition.

Thanks

**Richard C. Healey**  
**Enforcement Branch Manager**  
**Water Division**  
**Arkansas Department of Environmental Quality**  
**501-682-0640**  
[healeyr@adeq.state.ar.us](mailto:healeyr@adeq.state.ar.us)

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**From:** [Tim.Luther@CH2M.com](mailto:Tim.Luther@CH2M.com) [<mailto:Tim.Luther@CH2M.com>]

**Sent:** Friday, February 03, 2017 3:07 PM

**To:** Pemberton, Layne

**Cc:** [tnyander@fayetteville-ar.gov](mailto:tnyander@fayetteville-ar.gov); [lhyke@fayetteville-ar.gov](mailto:lhyke@fayetteville-ar.gov); [Steven.Carpenter@ch2m.com](mailto:Steven.Carpenter@ch2m.com); [Mayo.Miller@ch2m.com](mailto:Mayo.Miller@ch2m.com); [Michelle.Strange@CH2M.com](mailto:Michelle.Strange@CH2M.com); [Thom.Vinson@ch2m.com](mailto:Thom.Vinson@ch2m.com); [Jeff.Hickle@ch2m.com](mailto:Jeff.Hickle@ch2m.com)

**Subject:** RE: 5-Day Report - Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102 Effluent Spill

Mr. Pemberton,

The following is a written follow up to our verbal discussion regarding the effluent spill at the Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102:

The City of Fayetteville crews have not been able to stop the leak on the 60" effluent discharge line at the Noland WRRF. For the past 48 hours we have been diverting the plant influent flow to the influent holding pond and not sending any influent to bioprocess. At this point all effluent that has been spilled has been treated and should meet our permit requirements (the wait on the 5 day BOD test results is the reason we cannot positively say the spilled effluent is not in 100% compliance).

We are to the point that we will need to start sending influent flow to our bioprocess to feed the micro-organisms. We expect spikes in our effluent permitted parameters when discharge resumes. Once process flows are resumed we will be sending the plant effluent to the effluent holding pond until the effluent meets permitted limits. The 60" effluent pipe that has the leak is also the pipe that sends flow to the effluent holding pond. If the pipe still leaks we will take precautionary measures to

collect and pump any potential spilled material to the effluent holding pond for later treatment. We will be collecting plant effluent samples to determine if any potential spilled effluent met permitted requirements.

Please do not hesitate to call if you have any question. Have a great weekend!

Best Regards,

**Tim Luther**

*Operations Manager*

**D** 479 443 3292

**C** 479 790 4747

**F** 479 443 5613

**CH2M**

1400 N Fox Hunter Road

Fayetteville, AR 72701

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**From:** Pemberton, Layne [<mailto:PEMBERTON@adeq.state.ar.us>]

**Sent:** Wednesday, February 01, 2017 9:14 AM

**To:** Hickle, Jeff/FAY <[Jeff.Hickle@ch2m.com](mailto:Jeff.Hickle@ch2m.com)>

**Cc:** [tnyander@fayetteville-ar.gov](mailto:tnyander@fayetteville-ar.gov); [lhyke@fayetteville-ar.gov](mailto:lhyke@fayetteville-ar.gov); Carpenter, Steven/CRP <[Steven.Carpenter@ch2m.com](mailto:Steven.Carpenter@ch2m.com)>; Miller, Mayo/Fay <[Mayo.Miller@ch2m.com](mailto:Mayo.Miller@ch2m.com)>; Luther, Tim/FAY <[Tim.Luther@CH2M.com](mailto:Tim.Luther@CH2M.com)>; Strange, Michelle/FAY <[Michelle.Strange@CH2M.com](mailto:Michelle.Strange@CH2M.com)>; Vinson, Thom/FAY <[Thom.Vinson@ch2m.com](mailto:Thom.Vinson@ch2m.com)>

**Subject:** RE: 5-Day Report - Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102 Effluent Spill [EXTERNAL]

Mr. Hickle,

Your report has been received and will be reviewed.

Thank you,

Layne Pemberton  
Enforcement Analyst  
ADEQ Office of Water Quality  
Enforcement Branch  
Phone: 501-682-0664  
Fax: 501-682-0880  
[pemberton@adeq.state.ar.us](mailto:pemberton@adeq.state.ar.us)



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**From:** [Jeff.Hickle@ch2m.com](mailto:Jeff.Hickle@ch2m.com) [<mailto:Jeff.Hickle@ch2m.com>]  
**Sent:** Tuesday, January 31, 2017 2:06 PM  
**To:** Pemberton, Layne  
**Cc:** [nyander@fayetteville-ar.gov](mailto:nyander@fayetteville-ar.gov); [lhyke@fayetteville-ar.gov](mailto:lhyke@fayetteville-ar.gov); [Steven.Carpenter@ch2m.com](mailto:Steven.Carpenter@ch2m.com); [Mayo.Miller@ch2m.com](mailto:Mayo.Miller@ch2m.com); [Tim.Luther@CH2M.com](mailto:Tim.Luther@CH2M.com); [Michelle.Strange@CH2M.com](mailto:Michelle.Strange@CH2M.com); [Jeff.Hickle@ch2m.com](mailto:Jeff.Hickle@ch2m.com); [Thom.Vinson@ch2m.com](mailto:Thom.Vinson@ch2m.com)  
**Subject:** 5-Day Report - Fayetteville, Arkansas Noland WRRF, NPDES Permit AR0020010 AFIN-72-00102 Effluent Spill

Mr. Pemberton,

Below is the requested 5-day written report for spill of effluent at the Noland WRRF, Fayetteville AR – AFIN #72-00102, NPDES Permit #AR20010.

Permittee Name: City of Fayetteville-Paul R. Noland Wastewater Treatment Plant

Permit Number: AR0020010

Location of Spill: 1400 N Fox Hunter Rd.

Date on which the Spill occurred: 01/30/17 – Present

Amount of water that was bypassed: Approximately 1 MGD

While completing PM's at the Noland WRRF (Permit #AR0020010 AFIN # 72-00781) on Monday January 30th at 11:00 am, a mechanic noticed a leak of water from the ground near the Effluent Pump Station.

Although it has not yet been confirmed, the leak appears to be coming from the plant's 60 inch effluent discharge line. The approximate 700 gpm, or 1 MGD, flow originates from under a rip-rap bouldered embankment and into the nearby White River.

The quality of water in the effluent line is fully expected to meet all permit requirements; as a result, no adverse environmental impact has been observed and none is expected.

Also please note the spill of effluent occurs post all treatment processes but also prior to the facility's Effluent Parshall Flume; the portion of effluent lost prior to the Parshall Flume will be unmeasured thus effecting DMR monthly average pounds per day (lbs/day) permit limits calculations.

Efforts are currently being made to use more sophisticated leak detection technology and heavy excavation equipment has been mobilized to expose the 20 foot deep, 60 inch effluent line.

We will keep you apprised of the situation as we gather more information.

If you have any questions, please let us know.

Sincerely  
Jeff Hickle

Environmental Projects Specialist  
(479) 445-5676  
[jeff.hickle@ch2m.com](mailto:jeff.hickle@ch2m.com)