

City of Yellville

WATER AND SEWER DEPARTMENT

P.O. BOX 647  
YELLVILLE, AR 72687  
(870) 449-5210

September 29, 2012

TO: Mr. Mo Shafii

Assistant Chief, Water Division

Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

From: Gayle Stude  
Dir. of Public Works  
City of Yellville  
P.O. Box 647  
Yellville, Arkansas

Re: Arkansas NPDES Permit, AR0034037, AFIN: 45-00023

Dear Mr. Shafii,

Due to an air leak that has developed in the piping from our blowers to our aeration unit; we are in the need of an anticipated bypass to make repairs to the pipe to stop the air leak. The leak is causing our blowers (3 units) to work on a almost continuous bases to deliver enough air to keep our DO up. The air leak has also increased our electrical cost, from the blowers running so much, and is cutting down the lifespan of our blowers.

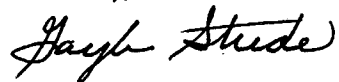
The only part of the plant that will be bypassed is our RAS pumps. In the first part of last week one of the rakes of diffusers was replaced in hopes that more air would be able to pass through the new diffusers. To accomplish this task we shut down all the blowers. After 5(five) hours we measured the sludge blanket in the aeration unit and noted that we had 6 feet of very clear supernatant.

To repair the air leak we are planning to shut down the blowers again, which will allow the blanket to settle, then pump the supernatant into the first clarifier, which will then flow into the second clarifier. The overflow from the second stage clarifier will then go though our UV unit. The air leak appears to be 2 to 3 feet below the overflow of the aeration basin. By lowering the level of the aeration unit we should be able to have access to the leak and make repairs. The whole process should take no more then 2 to 4 hours to accomplish.

We are hoping to do this repair by the second or third week of October. We have ordered and have on hand all necessary repair parts for this job. Of course, we would not attempt to do anything without first getting approval from ADEQ. If you might have some suggestion as to how we might take care of this problem, your advice would be most welcome.

Thank you for your time and attention on this matter. If you should have any questions I can be contacted at this number 870-404-4118. My email address is [ypwmgr@yellville.net](mailto:ypwmgr@yellville.net).

Sincerely,

A handwritten signature in cursive script that reads "Gayle Stude".

Gayle Stude  
Director of Public Works  
City of Yellville

City of Yellville  
Water Department  
P.O.Box 647  
Yellville, Arkansas 72687

NORTH LITTLE ROCK AIR FIELD  
72218-5317  
03 OCT 2012 PM



Mr. Mo Shafii  
Assistant Chief, Water Division  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72218-5317

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