

**Meeting between City of Sheridan & ADEQ**  
**December 10, 2015**  
**10:00 – 11:05 A.M.**

Permit: AR0034347

AFIN: 27-00024

Present: Richard Healey, Alan Anderson, Miles Johnson, Deb Gerst, Shane Byrum, ADEQ;  
Joe Wise, David Fitzgerald; City of Sheridan;  
Philip Massiver, Wes Bramlett, FTN

Alan Anderson thanked the group for coming. He said they wanted to review the permittee effluent violations. Mr. Fitzgerald gave the group an overview of their system. He said it is an HCR system with three ponds curtain in Pond 2, Pond 3 discharges to a creek. The treated wastewater is applied to adjacent fields for irrigation in the summer when discharge is prohibited. The flow gauge is on stream flow. They explained that storm flow is 5 c.f.s. and 10 c.f.s. the rest of the year and is facultative.

The City of Sheridan personnel said the ammonia numbers in the influent is very low. They said that in the winter when the flow is good in the receiving stream, the ponds are not very good for nitrification. Mr. Fitzgerald said the last two years there has been more concentration in the ponds. All three ponds have frozen over. He said that January, February and March are the difficult times. Because of holding the water, it is more difficult to get cold water nitrification.

The facility is proposing to find out what the temperature profile is and exactly how cold Ponds 1 and 2 get. They asked if they need to upgrade the system. Mr. Byrum asked if they had tried relocating their aerators (3 paddle wheel aerators) which are close to the pond banks. Usually, when installed, he said, they are located toward the middle of the pond. Mr. Bramlett said they would be reviewing the dissolved oxygen and temperature levels this winter. They are running tests on alkalinity—he said they have no results yet.

The reason for the extra sampling in the winter is that is when the problem is occurring. They are sampling ammonia, alkalinity, nitrogen and DO two times a month.

Mr. Healey said ADEQ had reviewed their rough draft Corrective Action Plan (CAP). He said they must come into compliance. He said that ADEQ may require a Consent Administrative Order (CAO). Mr. Anderson said that on the schedule, he didn't think the data was available to know when that could be done.

He also asked them to submit a revised Corrective Action Plan (CAP) by June, 2016. He explained that if it were a significant change to the system, then it would be necessary to consider a long-timeframe to complete the work. In that case, a CAO might be necessary. Mr. Healey said that June 1, 2016 would be the deadline for the CAP.

Mr. Byrum was concerned that the aeration might not be working appropriately. He thought they may need to look at getting another aerator. Mr. Healey recommended they sample three times a month, which might bring their average down by having more samples to compare. The facility thought they would be able to get information to ADEQ by April, 2016. The meeting was adjourned at 11:05 A.M..

Respectfully submitted,  
Deborah Gerst



# ADEQ

ARKANSAS  
Department of Environmental Quality

## MEETING ATTENDANCE

DATE: 12/10/15

FACILITY: City of Sheridan

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Miles Johnson	ADEQ	johnsonm@adeq.state.ar.us	501-682-0631
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Philip Massiver	FTN	phm@ftn-assoc.com	501-225-7779
Richard Healey	ADEQ-WATER	healey@adeq.state.ar.us	501-682-0640
DAVID Fitzgerald	City of Sheridan	sheridanwater@windstream.net	870-942-7722
Wes Brawlett	FTN	wcb@ftn-assoc.com	501-225-7779
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REMARKS: