

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

June 18, 2014

NPDES

WATER DIVISION ENFORCEMENT BRANCH

MICHELLE BOLENBAUGE

**RE: City of De Queen Wastewater Plant, NPDES Permit AR0021733
AFIN 67-00023, Corrective Action Plan**

Michael Sims
City of De Queen
Wastewater Superintendent
PO Box 730
De Queen AR 71832



BILLY RAY McKELVY
MAYOR

DONNA J. JONES
CITY CLERK/TREASURER

CITY OF DE QUEEN
(870) 584-3445

June 18, 2014
Michelle Bolenbaugh
Enforcement Analyst
Water Division Enforcement Branch
ADEQ

RE: NPDES Permit AR0021733, AFIN 67-00023 , Corrective Action Plan

Dear Mrs. Bolenbaugh:

The Corrective Action Plan for the City of De Queen wastewater plant past ammonia nitrogen violations are as follows.

8/2011- 2 of the 4 blowers were out of service at the same time , the dissolved oxygen could not keep up with demand as sometimes 3 blowers are need for treatment.

CAP – A new blower was purchased and another repaired in August 2011, all 4 are online, it was discovered that when running at 100% this would overdrive the units causing premature failure, all blower drives are set to max at 70%.

5/2012 – Spring rains had increased the level on pond, the gate was opened to run this excess water back through plant for treatment, the amount was too much for system to handle.

CAP – The pond water is now tested before running back through plant and adjusted as per treatment.

1/2014 – Cold temperatures in system caused a slowdown in treatment of ammonia nitrogen.

CAP- The solids retention time was too short for treatment (16 days) this was increased to (+ 20 days) in January. The SRT is adjusted seasonally as needed now.

3/ 2014 – Nitrifiers were lost in MLSS, reason is not known.

CAP – 200lbs of nitrifiers were purchased and dosed in plant at a cost of \$8,000.00 in March, this source for nitrifiers has next day if needed in future.

The City of De Queen wastewater plant is in compliance with ammonia nitrogen at this time, every effort is being made to stay in compliance now and in the future.

Sincerely,

Michael Sims, Wastewater Manager
City of De Queen
PO Box 730
De Queen Ar. 71832



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