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May 21, 2019

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

Attn: Bailey Taylor – Enforcement Analyst

RE: City of Marion
NPDES Permit No.AR0021971
AFIN 18-00110

Dear Bailey,

In previous correspondence we've discussed two items that we determined was affecting the quality of our discharge. These items were the concern of pond turn over and whether or not we were getting a representative sample through the automatic sampler and the discharge pump sequence to the river.

In order to determine pond turn over we did install two DO meters with continuous readout. When the pond was stratified the DO reading near the top and the one near the bottom would show a substantial difference in DO. When the readings were near the same, indicating mixing, the City personnel could interrupt pumping to the river allowed by the storage in the pond acreage. However, the last couple of weeks in April extreme rainfall is not allowing us to hold and we were forced to discharge even when the DO indications were telling us not to pump. Hopefully when this extreme rainy period passes operations can get back to normal.

We have determined a method of sufficiently purging and cleaning the sample line that connects from the force main to the automatic sampler. The impact of this was discussed with you in earlier correspondence.

Again we appreciate your cooperation.

Sincerely,


Jerome Alford, P.E.


City of Marion