

***CORRECTIVE ACTION PLAN
WASTEWATER TREATMENT FACILITY***

City of Corning, Arkansas
March 2018



2114 East Matthews Avenue
Jonesboro, Arkansas 72401
870-972-5316
FAX: 870-932-0432

1. DESCRIPTION OF EXISTING WASTEWATER FACILITIES

The City of Corning owns and operates a wastewater collection system and wastewater treatment facility in Corning, Arkansas. The wastewater system serves the extent of the City limits and the treatment facility treats all of the wastewater generated in the City. The treatment facility consists of a headworks unit (bar screen), 3-cell facultative lagoon with a rock filter bed, followed by the pump station that lifts the discharge to the outfall. The treatment facility is permitted for a flow rate of 0.89 MGD.

2. DESCRIPTION OF EXISTING PROBLEMS

This "Corrective Action Plan" (CAP) was prepared based on a recommendation made in a letter issued by the Arkansas Department of Environmental Quality (ADEQ), dated December 5, 2017. This letter stated that the wastewater treatment facility had fourteen (14) effluent violations between October 2014 and August 2017. All but three (3) of these violations were for dissolved Oxygen. There was one month where the BOD was out of compliance and one month where the fecal was out of compliance.

3. RECOMMENDED IMPROVEMENTS

There are three (3) individuals that work in the field for Water/Wastewater Department for the City of Corning, including the Superintendent. The Superintendent typically delegates works among the three (3) individuals, for day-to-day operation. The three (3) individuals will work together, when needed, to resolve any issues that might arise.

In the recent past, the Superintendent had delegated all of the grounds maintenance at the wastewater treatment facility to one (1) individual. This individual had done a pretty good job maintaining the visual appearance of the facility from the road. However, the majority of the property had been allowed to become overgrown. The existing lagoon is facultative. Therefore, it relies solely on the transfer of Oxygen at the surface of the lagoon. If the vegetation on the levees of the lagoon is allowed to become overgrown, the wind is not able to reach the surface of the water as well.

After reviewing the letter from ADEQ, making a site visit to the facility, and having a candid conversation with the Superintendent, it has been determined that the lack of proper maintenance at the facility is probably the cause of the DO permit violations. The Superintendent is planning on taking a more active role in the levee maintenance at the facility. The existing trees that have been allowed to grow on the inside slopes of the levees will be removed. In addition, the Superintendent and other department employees will get all of the vegetation at the facility cut down to a manageable height and keep the vegetation under control. This will allow the wind to come into contact with the lagoon across its entire surface area, thus providing for more Oxygen transfer.

4. MILESTONE SCHEDULE FOR COMPLETION AND IMPLEMENTATION

There is no true milestone schedule for the work to be performed. The Superintendent and his employees will cut the vegetation at the facility as soon as things dry enough to run the tractor and

mower on the levees, probably in April or May. The trees will be pulled from the interior lagoon levees and disposed of in an appropriate manner as soon as things are dry enough to get the backhoe onsite without causing rutting problems. The vegetation will then be maintained appropriately during the upcoming growing season and into the future. The Superintendent will take a more active role in overseeing the maintenance at the facility, even during the months of "No Discharge".

5. PREPARER

This Corrective Action Plan (CAP) has been prepared by John S. Selig, P.E., and has been approved by the City of Corning.



John S. Selig



Tracy Robinson
Utility Superintendent