



# Memo

**To:** Honorable Mayor & City Council,

**From:** Utility Superintendent Victor Kane

**CC:** City Administrator Dylan Mulfinger

**Reference:** Mixing Zone Stream Study

**Date:** 04//29/20

Greetings,

We are currently working with the IDNR on our new wastewater permit. We held some discussions with FOX Engineering who recommended that we conduct a mixing zone study. FOX stated: "The study may help lower limits in several areas. Based on this information, it would probably be a good idea to redo the mixing zone study ahead of your next permit renewal."

We then inquired of the IDNR if they concurred and would allow us the time needed. The IDNR responded: "Yes, the mixing zone study may increase your water-quality based limits. This may benefit the city through any local limit development when looking at industries, or could alleviate monitoring requirements in your permit. For instance, if any of the sample results from Part B of the application are close to the default limit, then the city would have monitoring and limits for those parameters where the mixing zone study may increase the limit enough that monitoring may not be required. "

I have included the IDNR replay as it covers all the possible reasons, I am requesting you to approve this \$13,500 task order from FOX Engineering.

Thank you for your time.

Victor Kane

From the Desk of  
Oelwein Utility Superintendent Victor Kane