



# DEPARTMENT OF PUBLIC WORKS

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## MEMO

November 18, 2021

To: Board of Public Works  
From: Greg Markel, Process Control Supervisor  
Subject: **Clean Water Plant Chemical Bids for 2022**

### **Phosphorus removal; ferric chloride with polyaluminum chloride (PAC) as alternate:**

**The low bid for ferric chloride of \$1,997.00/dry ton delivered as ferric was submitted by Kemira Co for their product PIX-311, we recommend in favor of this bid.**

Kemira was the low bid last year at \$1,667.00/dry ton, a \$330/dry ton increase from last year or 19.8%. Kemira delivers from Illinois.

The ferric alternative low bid for ChemTrade Logistics PAC was submitted at \$6,440.00/dry ton delivered of aluminum for their product Hyper+Ion 1997. ChemTrade was alternative low bid last year at \$2,637/dry ton, an \$3,803 increase from last year or 144.2%. ChemTrade delivers from Michigan.

For comparison, this calculates to an equivalent of \$1.639/gallon for Kemira PIX-311 and \$3.345/gallon for ChemTrade Logistics Hyper+Ion 1997. Our goal is to use the lowest cost chemical per removal efficiency.

### **Polymer for Sludge Dewatering:**

**The low bid for polymer was \$1.97/lb delivered by SNF Polydyne for their product Clarifloc CE-1795, we recommend in favor of this bid.**

CE-1795 has been used through the 2021 year with good result on the centrifuge. SNF Polydyne was the low bid last year at \$1.70/lb, a \$0.27 increase from last year or 15.8% increase. Polydyne delivers from Georgia.

Cc: Alex Damien, Jeff Harenda

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