



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Wastewater Plant Polymer Purchase		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water & Wastewater		
Date:	4/3/2019		
Please Check Appropriate Box:			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting		Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting		Special City Council Meeting
	Public Hearing		Other -
Associated Strategic Plan Goal/Objective: EMS-II			
Estimated Cost: \$85,000	Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Executive Summary:			
<p>The Wastewater Treatment Facility utilizes polymer to aid in the thickening and dewatering of its processed sludge. Due to a price increase of the previous polymer vendor in 2018 – Staff evaluated an alternative polymer based upon effectiveness, feed rates and cost per pound of sludge processed. Solenis provided a higher quality (more active) polymer that requires less volume of polymer solution to be utilized with greater sludge feed rates, which reduced the overall cost of polymer per pound of sludge. Staff is recommending entering into an agreement with <u>Midwest Chemical & Equipment</u> for the purchase of “Solenis – Praestol K144L” polymer at \$1.42 per pound, delivered for the period of May 1, 2019 thru April 30, 2020. Due to the proprietary nature of the polymer, Staff also requests that the City Council waive competitive bidding for this purchase.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Purchase Agreement • Analysis 			
Voting Requirements:			
<p><i>This motion requires <u>7</u> affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie votes; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how item should be listed on agenda)</i>			
<p>Staff requests that the City Council authorize the City Administrator to waive competitive bidding and allow staff to purchase Solenis – Praestol K144L polymer from Midwest Chemical & Equipment at a cost of \$1.42 per pound throughout Fiscal Year 2020 not-to-exceed the budgeted amount of \$85,000.</p>			

RESOLUTION NO. 2019-39
RESOLUTION AUTHORIZING EXECUTION OF
Purchase of Polymer

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS, as follows:

SECTION 1: That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, purchase agreement with Midwest Chemical & Equipment relating to polymer used at the Wastewater Treatment Plant.

SECTION 2: This Resolution shall become effective from and after its passage as in accordance with law.

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this 15th day of April, 2019

AYES: __ NAYS: __ ABSENT: __ ABSTAINING: __ HOLDING OFFICE: __

Approved by me this 15th day of April, 2019.

Mayor

ATTEST:

City Clerk



April 3, 2019

To: City of Geneva, IL

Attn: Dan Dobnick

Quote: Praestol K144L – May 1, 2019 through April 30, 2020 Pricing

On behalf of Solenis and myself, I would like to propose the following pricing on your polymer requirement. Pricing and terms are as follows:

Product: Praestol K144L

Pricing: \$1.42 per lb (Delivered Price)

Guarantee: 100% supply, quality, and service at all times.

Terms: Net 30 days

Ordering: Phone David Olson@ 920-615-2288 or email djolson@midwestce.com

Sincerely,

Andrew Rossetti
Authorized Solenis Sales Agent

Confidential Prices quoted and agreement to ship are subject to customer's acceptance to Solenis Terms and Pricing listed above. All information in this email is strictly confidential and intended solely for delivery to and authorized use by the addressee(s) identified above and may contain privileged, confidential, proprietary and /or trade secret information entitled to protection and/or exempt from disclosure under applicable law. If you are not the intended recipient, please take notice that any use, distribution or copying of this communication and /or any action taken or omitted to be taken in reliance upon it, is unauthorized and may be unlawful.

Polydyne		Solenis	
Clarifloc NW-193		Praestol K144L	
\$1.15	<i>per pound polymer</i>	\$1.42	<i>per pound polymer</i>
Increase 2018			
\$8,319.26			
2.02 %TS		2.09 %TS	Feed Sludge
0.135 %TS		0.142 %TS	DH2O Centrate
23.32 %TS		23.42 %TS	Biosolids [Cake]
93.2 %		93.2 %	Capture Rate
111.0 GPM		116.8 GPM	Sludge Feed Rate
68.37 Lbs/Hr	40.6% Reduction	38.41 Lbs/Hr	Polymer Feed Rate
8.36 GPH		5.23 GPH	
93.5 Gallons		160.1 Gallons	Sludge per pound Polymer
14.7 Lbs		27.6 Lbs	
\$0.078	vs	\$0.051	Cost per pound Sludge
\$63,780.96	Estimated Annual*	\$41,812.00	
		57.8	Reduction in number of drums received per year
		*based upon production of 406.8 DT/Year	
\$11,902.50	TWAS**	\$14,697.00	
		**based upon 23 drums per Year -- Not Evaluated at th is time...	