

# Council Business Meeting

May 21, 2019

<b>Agenda Item</b>	ITB – Chemicals for Water and Wastewater Treatment Plants	
<b>From</b>	Paula Brown, PE Greg Hunter David Gies	Public Works Director Water Treatment Plant Supervisor Wastewater Treatment Plant Supervisor
<b>Contact</b>	<a href="mailto:paula.brown@ashland.or.us">paula.brown@ashland.or.us</a> <a href="mailto:greg.hunter@ashland.or.us">greg.hunter@ashland.or.us</a> <a href="mailto:david.gies@ashland.or.us">david.gies@ashland.or.us</a>	541-552-2411 541-488-5345 541-552-2335

## **SUMMARY**

Chemicals are required to maintain consistent water quality at the Water Treatment Plant and for compliance with National Pollutant Discharge Elimination System (NPDES) permit requirements at the Wastewater Treatment Plant. Approving the 2019-2021 biennium public contract awards for these chemicals will allow the City's Water Treatment Plant Supervisor and Wastewater Treatment Plant Supervisor to procure the chemicals required to maintain consistent plant operations.

## **POLICIES, PLANS & GOALS SUPPORTED**

City Council Goals:

Goal 1: Develop current and long-term budgetary resilience

- Continue to improve the budget process: transparency, rigor, innovation, community involvement, and collaboration

Goal 2: Analyze City departments/programs to gain efficiencies, reduce costs and improve services

- Implement a cost recovery plan and analysis for each department that coincides with the annual review of fees and charges and revenues

Goal 3: Enhance and improve transparency & communication

Maintain Essential Services

Department Goals:

- Maintain existing infrastructure to meet regulatory requirements and minimize life-cycle costs
- Maintain and improve infrastructure that enhances the economic vitality of the community
- Evaluate all city infrastructure regarding planning management and financial resources

## **PREVIOUS COUNCIL ACTION**

The previous public contracts awarded for these chemicals resulting from an ITB were approved by the City Council on June 6, 2017 for a term that began July 1, 2017 and will end on June 30, 2019.

## **BACKGROUND AND ADDITIONAL INFORMATION**

A formal competitive sealed bid (Invitation to Bid or ITB) is facilitated each biennium to procure chemicals that are used at the Water and Wastewater Treatment Plants because the total cost for these chemicals exceeds \$100,000.00.

Ten (10) bids were received and individual contracts for each of the eight (8) chemicals will be awarded to the lowest responsible and responsive bidders. The ITB allows multiple contracts to be awarded and public contracts will be awarded to five (5) of the bidders for one or more chemicals. The term for these public contracts will begin on July 1, 2019 and end on June 30, 2021.

In accordance with AMC 2.50.080(C), the City Council acting as the Local Contract Review Board is required to approve the award of public contract(s) resulting from a formal competitive sealed bid.

The bid tab is attached for your review.

The City’s intent is to award chemical contracts to the lowest responsive and responsible bidders as follows:

Water Treatment Plant		Bidder	Cost Estimate FY 2020	Cost Estimate FY 2021
Chemical #1	SODIUM HYPOCHLORITE 12.5%+ LOW SALT, FILTERED	Cascade Columbia Distribution Co.	\$39,060.00	\$39,960.00
Chemical #2	CYTEC SUPERFLOC C-573 FLOCCULANT –OR- NORTHSTAR MOE 106 PWG FLOCCULANT (No Substitution)	Northstar Chemical	\$13,440.00	\$13,440.00
Chemical #3	CYTEC SUPERFLOC N-300 LMW FLOCCULANT (No Substitution)	Univar USA, Inc.	\$3,480.00	\$3,780.00
Chemical #4	SODA ASH, DENSE, FREE FLOWING – Or Equivalent	Cascade Columbia Distribution Co.	\$32,940.00	\$34,425.00
Chemical #5	SODIUM CARBONATE PEROXYHYDRATE, FREE FLOWING – “GREENCLEAN” Or Equivalent	Helena Agri-Enterprises LLC	\$8,640.00 to \$25,920.00	\$8,640.00 to \$25,920.00

Waste Water Treatment Plant		Bidder	Cost Estimate FY 2020	Cost Estimate FY 2021
Chemical #6	SODIUM HYPOCHLORITE 12.5%	Cascade Columbia Distribution Co.	\$5,859.00	\$5,994.00
Chemical #7	CITRIC ACID (50 Lb. Bags)	Univar USA, Inc.	\$4,850.00	\$5,100.00
Chemical #8	ALUMINUM SULFATE	Eco Services	\$88,544.88	\$88,544.88

**FISCAL IMPACTS**

Funds are budgeted each fiscal year for chemicals.

Water Treatment Plant	FY 2020 - \$223,000.00	FY 2021 - \$223,000.00
Wastewater Treatment Plant	FY 2020 - \$140,000.00	FY 2021 - \$145,000.00

**STAFF RECOMMENDATION**

Staff recommends public contracts be awarded for these chemicals as outlined above and in attachment 1.

**ACTIONS, OPTIONS & POTENTIAL MOTIONS**

1. I move to approve the public contract awards for chemicals to be used at the Water Treatment and Wastewater Treatment Plants.

**ATTACHMENTS**

Attachment 1: ITB #2019-101 Bid Tab for Chemicals for Water & Wastewater Treatment Plants

**BID TAB - Invitation to Bid #2019-101 Chemicals for Water & Wastewater Treatment Plants**

<b>CHEMICAL #1 - WTP Sodium Hypochlorite 12.5%+ LOW SALT, FILTERED</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri- Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	Brenntag Pacific, Inc.	Hasa	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID.
Number of gallons per tote	330	300								
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per gallon	\$2.38	\$2.17								
Cost per tote	\$785.40	\$650.00								
Cost per load (5) totes	\$3,927.00	\$3,255.00								
Delivery charge per order		No								
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per gallon	\$2.499	\$2.22								
Cost per tote	\$824.67	\$666.00								
Cost per load (5) totes	\$4,123.35	\$3,330.00								
Delivery charge per order		No								
Comments		Refundable deposit of \$200.00/tote								
<b>CHEMICAL #2 - WTP Cytec Superfloc C-573 Flocculant -or- Northstar Moe 106 PWG Flocculant (No Substitution)</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri- Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	Kemira	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	Polydyne (Moe 106 PWG)	NO BID	Kemira Water
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per pound (Lb)	\$1.62							\$1.12		\$1.62
Cost per 500 Lb drum	\$810.00							\$560.00		\$810.00
Cost per order - 4 each 500 lb drums	\$3,240.00							\$2,240.00		\$3,240.00
Delivery charge per order										Included
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per pound (Lb)	\$1.70							\$1.12		\$1.82
Cost per 500 Lb drum	\$850.50							\$560.00		\$910.00
Cost per order - 4 each 500 lb drums	\$3,402.00							\$2,240.00		\$3,640.00
Delivery charge per order										Included
Comments										

<b>CHEMICAL #3 - WTP</b> Cytec Superfloc N-300 LMW Flocculant (No Substitution)	Brenntag Pacific, Inc.	Cascade Columbia Distribution Company	Chemtrade Chemicals US LLC	Cygnat Enterprises NW, Inc.	Eco Services	Helena Agri-Enterprises LLC	Kemira Water Solutions	Northstar Chemical	Thatcher Company of California, Inc.	Univar USA, Inc.
Manufacturer	Cytec	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	Cytec
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per pound (Lb)	\$3.25									\$2.90
Cost per 25kg or 55.12 Lb bag 55.12 Lb bag	\$179.140									\$145.00
Cost per order - (8) bags	\$1,433.12									\$1,160.000
Delivery charge per order										Included
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per pound (Lb)	\$3.4125									\$3.15
Cost per 25kg or 55.12 Lb bag 55.12 Lb bag	\$188.097									\$157.50
Cost per order - (8) bags	\$1,504.776									\$1,260.00
Delivery charge per order										Included
Comments										Please allow 5-7 days for delivery. 50 Lb Bag
<b>CHEMICAL #4 - WTP</b> Soda Ash, Dense, Free Flowing (Or Equivalent)	Brenntag Pacific, Inc.	Cascade Columbia Distribution Company	Chemtrade Chemicals US LLC	Cygnat Enterprises NW, Inc.	Eco Services	Helena Agri-Enterprises LLC	Kemira Water Solutions	Northstar Chemical	Thatcher Company of California, Inc.	Univar USA, Inc.
Manufacturer	Genesis Specialty Alkali	Solvay	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	Thatcher Company, Inc.	Univar USA, Inc.
Number of pounds (Lbs) per bag	50	50							50	50
Number of bags per pallet	54	49							54	54
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per pound (Lb)	\$0.25	\$0.244							\$0.2567	\$0.2934
Cost per order 270 bags (5) pallets	\$3,375.00	\$3,294.00							\$3,465.45 *	\$3,960.90
Delivery charge per order		No							Included	Included
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per pound (Lb)	\$0.2625	\$0.255							\$0.2567	\$0.2934
Cost per order 270 bags (5) pallets	\$3,543.75	\$3,442.50							\$3,465.45 *	\$3,960.90
Delivery charge per order		No							Included	Included
Comments									*We will be shipping 280 bags (5 pallets) for a cost of \$3,593.80. Appendices A and B form part of our proposal.	

<b>CHEMICAL #5 - WTP Sodium Carbonate Peroxyhydrate, Free Flowing - ("Greenclean" Or Equivalent)</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri-Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	NO BID	NO BID	NO BID	Bio Safe Systems LLC	NO BID	Bio-Safe Systems	NO BID	NO BID	NO BID	NO BID.
Number of pounds (Lbs) per bag				50		50				
Number of bags per pallet				40		40				
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per pound (Lb)				\$1.12		\$1.08				
Cost per order 120 bags (3) pallets				\$8,960.00		\$8,640.00				
Delivery charge per order				No additional charge		No additional charge				
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per pound (Lb)				\$1.12		\$1.08				
Cost per order 120 bags (3) pallets (Addendum #3)				\$8,960.00		\$8,640.00				
Delivery charge per order				No additional charge		No additional charge				
Comments				Product label & SDS attached						
<b>CHEMICAL #6 - WWTP Sodium Hypochlorite 12.5%</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri-Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	Brenntag Pacific, Inc.	Hasa	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID	NO BID.
Number of gallons per tote	330	300								
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per gallon (gal)	\$2.79	\$2.17								
Cost per tote	\$920.70	\$651.00								
Cost per load/order (2) totes	\$1,841.40	\$1,302.00								
Delivery charge per order		No								
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per gallon (gal)	\$2.929	\$2.22								
Cost per tote	\$966.73	\$666.00								
Cost per load/order (2) totes	\$1,933.47	\$1,332.00								
Delivery charge per order		No								
Comments		Refundable deposit of \$200.00/tote								

<b>CHEMICAL #7 - WWTP Citric Acid (50 Lb Bags)</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri- Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	Brenntag Pacific, Inc.	Cofco Biochemical	NO BID	NO BID	NO BID	NO BID	NO BID	APAC	NO BID	Tate & Lyle
Number of bags per pallet	44	49						40		50
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per pound (Lb)	\$1.08	\$1.00						\$1.15		\$0.97
Cost per order (1) pallet	\$2,376.00	\$2,450.00						\$2,300.00		\$2,425.00
Delivery charge per order		No								Included
	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021	July 2020 - June 2021
Price per pound (Lb)	\$1.134	\$1.025						\$1.15		\$1.02
Cost per order (1) pallet	\$2,494.80	\$2,511.25						\$2,300.00		\$2,550.00
Delivery charge per order		No								Included
Comments	Brenntag PC #793662									
<b>CHEMICAL #8 - WWTP Aluminum Sulfate</b>	<b>Brenntag Pacific, Inc.</b>	<b>Cascade Columbia Distribution Company</b>	<b>Chemtrade Chemicals US LLC</b>	<b>Cygnat Enterprises NW, Inc.</b>	<b>Eco Services</b>	<b>Helena Agri- Enterprises LLC</b>	<b>Kemira Water Solutions</b>	<b>Northstar Chemical</b>	<b>Thatcher Company of California, Inc.</b>	<b>Univar USA, Inc.</b>
Manufacturer	NO BID	NO BID	Chemtrade	NO BID	Eco Services	NO BID	Kemira Water Solutions	NO BID	Thatcher Company of California, Inc.	NO BID.
	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020	July 2019 - June 2020
Price per dry ton			\$516.28		\$410.34		\$605.00 Dry Ton (\$0.303/dry pound)		\$450.2656	
Number of pounds (Lbs) per gallon			11.1		11.1 lbs.		11.13 wet pounds per gallon (5.41 dry pounds per gallon)		11.09	
Cost per order - 4,500 gallons			* \$6,272.55		\$4,919.16		\$7,369.00		\$5,485.50	
Delivery charge per order			Included		N/A		"Delivered"		Included	
	July 2020 - June 2021	July 2020 - June 2021	July 2019 - June 2020	July 2020 - June 2021	July 2019 - June 2020	July 2020 - June 2021	July 2020 - June 2021	July 2019 - June 2020	July 2020 - June 2021	July 2019 - June 2020
Price per dry ton			516.28		\$410.34		\$652.00 Dry Ton (\$0.326/dry pound)		\$466.1487	
Number of pounds (Lbs) per gallon			11.1		11.1 lbs.		11.13 wet pounds per gallon (5.41 dry pounds per gallon)		11.09	
Cost per order - 4,500 gallons			* \$6,272.55		\$4,919.16		\$7,941.00		\$5,679.00	
Delivery charge per order			Included		N/A		"Delivered"		Included	
Comments			* Estimated due to strength factor for conversion purpose only price equates to \$1.3939/Gallon		Total of 11.1 lbs/gal in solution or 5.3 dry lbs/gal Alum				Appendices A and B form part of our proposal	

**List of NO BID responses:**

- JCI Jones Chemicals, Inc.
- Nalco Company LLC
- Olin Corporation
- SNF Polydyne
- Sterling Water Technologies, LLC