



**REQUEST FOR PROPOSAL (RFP) NO. 18-008  
Water and Wastewater Treatment Chemicals**

**Addendum No. 4**  
Questions and Responses

The purpose of this Addendum No. 4 is to release responses to both administrative/procedural and technical questions received related to RFP No. 18-008, as follows:

**ADMINISTRATIVE/PROCEDURAL QUESTIONS AND RESPONSES:**

#	Question	Response
1	Can you please provide the bid tabulation from the previous solicitation?	This is the first solicitation issued by MWCOG for these commodities so there is not a previous bid tabulation to share. When possible, COG will include current prices paid for water treatment chemicals by Participating Agencies in the upcoming Addendum #4 (Technical Questions Responses).
2	Can you please provide a copy of Table A – Price Proposal Form?	All RFP documents can be accessed at: <a href="https://www.mwcoq.org/purchasing-and-bids/cog-bids-and-rfps/2018/06/11/rfp-18-008-water--wastewater-treatment-chemicals/">https://www.mwcoq.org/purchasing-and-bids/cog-bids-and-rfps/2018/06/11/rfp-18-008-water--wastewater-treatment-chemicals/</a>
3	What is the proposal submission deadline for the RFP?	Addendum #1 was posted online to extend the Proposal submission deadline to July 17. All RFP documents can be accessed at: <a href="https://www.mwcoq.org/purchasing-and-bids/cog-bids-and-rfps/2018/06/11/rfp-18-008-water--wastewater-treatment-chemicals/">https://www.mwcoq.org/purchasing-and-bids/cog-bids-and-rfps/2018/06/11/rfp-18-008-water--wastewater-treatment-chemicals/</a>
4	On page 9, E Prices, 1.e - states that each Participating Agency has the right to accept or reject a price increase. If rejected the order for the specific item will be cancelled. What happens next for the Agency/item? What if all Agencies reject an increase for an item?	MWCOG will facilitate the Participating Agencies' evaluation of this RFP's Proposal submissions and issue the master award in the form of award letters to responsible vendors. Each Participating Agency will have the choice to enter into its own contract with any and/or all awarded vendor(s) for any and/or all available water treatment chemicals. If a price increase is rejected and an item is cancelled, the Participating Agencies will also have the choice to acquire water

		treatment chemicals outside of the contract award resulting from this RFP.
5	Some of the participating Agencies and Agencies from the Rider clause are already under contract, some in final renewal years from other Bids or New Bids. Page 13, A.2 states participating Agencies have the right to opt out of this solicitation prior to a contract award. Page 13 A.3 states current non-participating agencies have the right to opt in at a future date based on the rider clause. Does this mean that Agencies are not obligated to participate in this Proposal and Agencies can opt in or out at any time over the course of the Bid (5 years) at their discretion?	Yes. Agencies may opt in and opt out of participating in this solicitation throughout the period of performance of MWCOG's master award at their discretion. Non-participating Agencies may opt in by entering into their own contracts with awarded vendors and would be bound by the termination clauses of those contracts to opt out of participating.
6	How is equivalency of products determined? (Section E.2 on page 4)?	Specifications of the equivalent product proposed must be included in your Proposal submission for evaluation by the Technical Selection Committee designated for this RFP.
7	If Proposer prepays subcontractors to pick-up empty drum/tote containers and instruction labels are affixed to each container, does this satisfy the requirement located in Paragraph # 2 Section D Containers and Pallets, of the Special Provisions, located on page 15?	Yes. Be sure to include any associated costs with this disposal method with the quoted price on Table A (Price Proposal Form).
8	Are all agencies listed on RFP 18-008 committed to purchasing exclusively from awarded vendors, or can they make purchases independent of this RFP? Some of these agencies currently have long term purchase agreements in place for chemicals listed on this RFP.	Agencies, at their discretion, may opt in and opt out of participating in this solicitation throughout the period of performance of MWCOG's master award. Non-participating Agencies may opt in by entering into their own contracts with awarded vendors and would be bound by the termination clauses of those contracts to opt out of participating.
9	Will you consider an equivalent product to Micro-C Glycerin for Line Item # 034 for Frederick County and Fort Detrick? Section E.2 on page 4 seems to indicate that equivalent products can be submitted. What is the current price for each location? (Page 20)	Specifications of the equivalent product proposed must be included in your Proposal submission for evaluation by the Technical Selection Committee designated for this RFP.
10	Will equivalent products be considered for the ZETAG 7878FS40 listed as Line Item # 045 (Fort Detrick)? Section E.2 on page 4 seems to indicate that equivalent products can be submitted.	Specifications of the equivalent product proposed must be included in your Proposal submission for evaluation by the Technical Selection Committee designated for this RFP.

11	Will equivalent products be considered for the ZETAG 8844FS listed as Line Item # 046 (Fort Detrick)? Section E.2 on page 4 seems to indicate that equivalent products can be submitted.	Specifications of the equivalent product proposed must be included in your Proposal submission for evaluation by the Technical Selection Committee designated for this RFP.
12	Will you accept bids for products that are equivalent to Pollu-Tech C-498 listed on pages 41 (Loudon Water) and 50 (Stafford County) as Line Item #40? Section E.2 on page 4 seems to indicate that equivalent products can be submitted	Specifications of the equivalent product proposed must be included in your Proposal submission for evaluation by the Technical Selection Committee designated for this RFP.
13	Please confirm if you want the whole bid package back or just the attachment pages with our information and spreadsheet.	It is not required that you return the entire RFP document with your Proposal.
14	If we are not bidding a chemical do we leave blank or write No Bid on the line?	Either format will be accepted. It is preferred that vendors leave the line item blank if not supplying a price for that item.
15	Is it possible to bid on individual locations and NOT on the entire RFP?	Yes.

**TECHNICAL QUESTIONS AND RESPONSES:**

<b>Participating Agency:</b>		<b>Alexandria Renew Enterprises (AlexRenew)</b>																																																		
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1	Can you provide the quantity per delivery for each line item you've requested on Table A?	All chemicals will be delivered in bulk trailers to AlexRenew and the entire volume will be offloaded into AlexRenew's storage tanks. The exception to this is dewatering polymer which will delivered in 1,500 lb. super sacks.																																																		
2	<p>Please indicate if you require a "wet" or "dry" ton for the following chemicals:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Aluminum Sulfate</td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td></tr> <tr><td>Calcium Thiosulfate 24%</td></tr> <tr><td>Caustic Soda 50%</td></tr> <tr><td>Chlorine, 1 Ton Containers</td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td></tr> <tr><td>Quicklime Medium Pebble</td></tr> <tr><td>Orthophosphate 75%</td></tr> <tr><td>Orthophosphate 36% Totes</td></tr> <tr><td>Phosphoric Acid</td></tr> <tr><td>Polyaluminum Chloride</td></tr> <tr><td>Potassium Permanganate (Pails)</td></tr> <tr><td>Powder Activated Carbon</td></tr> <tr><td>Sodium Carbonate (Soda Ash)</td></tr> </table>	Aluminum Sulfate	Calcium Hydroxide (Hydrated Lime)	Calcium Thiosulfate 24%	Caustic Soda 50%	Chlorine, 1 Ton Containers	Ferric Chloride, Grade 2 Liquid	Ferric Chloride, Water 37%-42%	Hydrofluosalicic Acid 23%-25%	Hydrofluosilicic Acid (25%), Bulk	Quicklime Medium Pebble	Orthophosphate 75%	Orthophosphate 36% Totes	Phosphoric Acid	Polyaluminum Chloride	Potassium Permanganate (Pails)	Powder Activated Carbon	Sodium Carbonate (Soda Ash)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHEMICAL:</th> <th>Wet or Dry?</th> </tr> </thead> <tbody> <tr><td>Aluminum Sulfate</td><td>Bulk Liquid</td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td><td></td></tr> <tr><td>Calcium Thiosulfate 24%</td><td></td></tr> <tr><td>Caustic Soda 50%</td><td>Bulk Liquid, Solution</td></tr> <tr><td>Chlorine, 1 Ton Containers</td><td></td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td><td>Solution</td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td><td>Solution</td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td><td></td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td><td></td></tr> <tr><td>Quicklime Medium Pebble</td><td></td></tr> <tr><td>Orthophosphate 75%</td><td></td></tr> <tr><td>Orthophosphate 36% Totes</td><td></td></tr> <tr><td>Phosphoric Acid</td><td></td></tr> <tr><td>Polyaluminum Chloride</td><td></td></tr> <tr><td>Potassium Permanganate (Pails)</td><td></td></tr> </tbody> </table>	CHEMICAL:	Wet or Dry?	Aluminum Sulfate	Bulk Liquid	Calcium Hydroxide (Hydrated Lime)		Calcium Thiosulfate 24%		Caustic Soda 50%	Bulk Liquid, Solution	Chlorine, 1 Ton Containers		Ferric Chloride, Grade 2 Liquid	Solution	Ferric Chloride, Water 37%-42%	Solution	Hydrofluosalicic Acid 23%-25%		Hydrofluosilicic Acid (25%), Bulk		Quicklime Medium Pebble		Orthophosphate 75%		Orthophosphate 36% Totes		Phosphoric Acid		Polyaluminum Chloride		Potassium Permanganate (Pails)		
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3	Would AlexRenew like to receive pricing for small bulk (less than 1,000 gallons) for Sodium Bisulfite?	No. AlexRenew does not require Sodium Bisulfite. Please see Addendum #5 (AlexRenew Specifications Revisions).												
4	Is there a difference between "Ferric Chloride, Grade 2 liquid" (line item #024) and "Ferric Chloride, 37%-42%" (line item #025)?	<p>Ferric Chloride Grade 2 Liquid shall comply with AWWA standards, except as duly noted in the following:</p> <ul style="list-style-type: none"> <li>-Product must contain 38-40% of ferric chloride (FeCl<sub>3</sub>) by weight</li> <li>-The specific gravity must be between 1.380 -1.480</li> <li>-Insoluble matter must be less than 0.5%</li> <li>-The manganese concentration shall not exceed 1.0 gram for each 1,000 grams of ferric chloride</li> <li>-The product shall not contain more than 1.0% free acid expressed as Hydrochloric Acid (HCl)</li> <li>-Not more than three-quarters of one percent (0.75%) of the total iron shall be in the ferrous state.</li> <li>-The solution shall not contain more than five-tenth of one percent (0.5%) insoluble matter of which not more than two-tenths of one percent (0.2%) shall be settleable solids. The maximum particle size of any insoluble material shall be one-sixteenth of an inch (1/16").</li> </ul>												
5	Do you require dry ton or wet ton of Ferric Chloride?	AlexRenew requires Ferric Chloride solution (please see table above). Pricing is currently based on each load's percentage by weight of Ferric Chloride.												
6	Would you be interested in pricing for chemical storage tanks or dosing equipment for Calcium Nitrate Bioxide?	Pricing submitted for this RFP must only be for items solicited in this RFP. Pricing submitted for items not advertised in this RFP will not be considered and the Proposal submission may be deemed non-responsive.												
7	Please confirm estimated annual quantity of Sodium Bisulfite.	AlexRenew does not require Sodium Bisulfite. Please see Addenda #5.												
8	What is your current pricing for Sodium Bisulfite?	AlexRenew does not require Sodium Bisulfite. Please see Addenda #5 (AlexRenew Specifications Revisions).												

9	What is your current pricing for Ferric Chloride?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
10	What are the delivery instructions specific to Sodium Bisulfite?	AlexRenew does not require Sodium Bisulfite. Please see Addenda #5 (AlexRenew Specifications Revisions).
11	“Is Clarifloc SE-890 (Line Item # 44 and page 18 of the Chemical Specifications) a dry polymer or a liquid? There is a discrepancy between the Chemical column description and the Unique Chemical Specification column description.”	Dry polymer delivered in 1,500 lb. super sack. Please see Addenda #5 (AlexRenew Specifications Revisions).
12	“Can the delivery requirements for AlexRenew (page 19) be relaxed? With the current state of the trucking industry, this 3 calendar days will be problematic.”	Three (3) calendar days after receipt of order has been a standard delivery time frame in current contracts. If a Proposer cannot meet the 3-day delivery, please state the minimum lead time in your Proposal response.

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3	Are there any additional specifications for Hydrated Lime?		No.																														
4	What is the polymer product and who is the supplier for Polymer (Line Item # 043) for the City of Bowie (page 20)?		Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.																														
5	How large is the polymer tank for the City of Bowie (Line Item # 043)? Why must the product be transferred from a tote to the bulk tank? Can the product be fed directly from a tote bin? (Page 20)		The City of Bowie does not have a bulk polymer tank. Polymer is fed directly from tote to polymer mixing chamber. Please note that line Item #002 requires transferring product from tote to bulk tank.																														



6	What is the current price for Polymer (Line Item #043) for the City of Bowie? (Page 20)	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
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3	How is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
4	Does the City of Frederick request 105# cylinders or 150# cylinders of chemical Chlorine?	150 lb. cylinders and 1-ton chlorine containers
5	Is a boom trailer required for any of the delivery locations?	No, not at WTPs or WWTP.
6	Can you please confirm the estimated volume of Ferric Chloride? Should it be 4,000-30,000 gallons instead of tons?	Gallons
7	Can you please confirm annual quantities of Ferric Chloride, 37%-42% (line item #025) <b>and</b> whether a wet ton or dry ton is requested?	Estimate 40,000 gallons; wet
8	Please confirm annual usage of Powder Activated Carbon.	Yes (daily) at two locations, Monocacy and Linganore Plants.
9	How many tons of Powder Activated Carbon are delivered to each of the four locations?	Only two locations, a delivery of 10,000 lbs. total (6,000 lbs. – Linganore and 4,000 lbs. - Monocacy)
10	How often does each location order Powder Activated Carbon?	Estimated every two months (total 6 loads each year). Delivery to both locations on same day.
11	What seasonality is in the orders of Powder Activated Carbon?	All feed rates are typically the same year around.
12	Are all orders of Powder Activated Carbon bulk loads? Are there some van loads? What amount is required for each bulk load, per location? What amount is required for each van load, per location?	We receive 10,000 lbs. (250 bags that are 40 lbs. each), deliveries need to be on a tractor-trailer with a flatbed trailer, and the pallets need to be loaded from the rear so we can offload the trailer from the rear using a manual pallet jack onto our loading docks. A delivery of 10,000 lbs. (6,000 lbs. – Linganore and 4,000 lbs. - Monocacy)
13	Please describe the system(s) that Powder Activated Carbon are being loaded into - Overhead silo or in ground tank?	40 lb. bags loaded into chemical hoppers (150 lb. capacity)
14	Please describe any limitations on delivery pressure from the bulk truck for each location. Please describe and list PSIG limitation.	n/a for WTPs, WWTP
15	Are there any additional specifications for Hydrated Lime?	Lime deliveries need to be on a tractor-trailer with a flatbed trailer, and the pallets need to be loaded from the rear so we can offload the trailer from the rear using a manual pallet jack onto our loading docks at the Monocacy and Linganore Plants.

16	What is your current pricing for Ferric Chloride?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
17	Who are the current suppliers and what are the current prices for Powder Activated Carbon?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
18	Can you please provide current pricing for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
19	Do you require Liquid Ferric Sulfate (Line Item #026) in wet or dry tons?	Wet.

Participating Agency:		Frederick County
#	Question	Response
1	Can you provide the quantity per delivery for each line item you've requested on Table A?	<p>Bio neutralizer full pallet delivery minimum 2            Calcium Hypochlorite(dry) full pallet minimum            Calcium Hydroxide (lime) full pallet minimum (bag)            Caustic Soda (Full tractor trailer load)            Chlorine 1 ton            Citric Acid 6000 gal            Ferric Chloride (full Tractor Trailer Load)            Hydrofluosillicic acid (full pallet)            Hydrofluosillicic acid (bulk 6600 gal)            Methanol (7000 gal)            Micro C Glycerin 4800 gallon            Poly Aluminum Chloride (full tractor trailer load)            Potassium Permanganate (full pallet load)            Powder Activated Carbon (full tractor trailer load)            Sodium Bisulfite (full pallet)            Sodium Carbonate (soda Ash) full pallet load            Sodium Chloride (full Pallet Load)            Sodium Hypochlorite (bulk) 5000 gallon            Sodium Hypochlorite 5 gallon (full Pallet load)            Sulfuric Acid (3000 gal)            Zinc Orthophosphate (55-gallon drum) full Pallet load</p>
2	Who are the current suppliers and what are the current prices for Powder Activated Carbon?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
3	Can you please provide current pricing for Liquid Ferric Chloride and Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
4	Who is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
5	Does Frederick County still use 150# cylinders of chemical Sulfur Dioxide?	828 tons annual Basis of selling is dry ton Delivered liquid
6	Is a boom trailer required for any of the delivery locations?	43 tons

7	Can you please confirm annual quantities of Ferric Chloride, 37%-42% (line item #025) <b>and</b> whether a wet ton or dry ton is requested?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.																																																				
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10	How many tons of Powder Activated Carbon are delivered to each of the three locations?	43 tons/1 location								
11	How often does each location order Powder Activated Carbon?	1-2								
12	What seasonality is in the orders of Powder Activated Carbon?	Not available.								
13	Are all orders of Powder Activated Carbon bulk loads? Are there some van loads? What amount is required for each bulk load, per location? What amount is required for each van load, per location?	Yes, No Van Loads Full tractor trailer load, approx. 40,000 lbs.								
14	Please describe the system(s) that Powder Activated Carbon are being loaded into - Overhead silo or in ground tank?	Overhead silo Activated Carbon (PAC) shall be in bulk shipments in pneumatic trucks equipped with 75 feet of unloading hose with a 4-inch quick release female coupler with lock. Trucks should be equipped with an air stack to be utilized when offloading to keep outside PAC dust to a minimum.								
15	Please describe any limitations on delivery pressure from the bulk truck for each location. Please describe and list PSIG limitation.	None								
16	Please confirm annual quantities of Potassium Permanganate.	28,500 lbs. 55 gal/pail								
17	Are there any additional specifications for Hydrated Lime?	<ul style="list-style-type: none"> <li>The chemical content shall be between 85% - 99% calcium hydroxide with no less than 65% available calcium oxide as determined by AWWA Standard B202 test methods.</li> <li>Product shall be shipped in durable 50 lb. bags, palletized. Product shall be kept dry to prevent feed problems.</li> </ul>								
18	What is your current pricing for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.								

19	What is your current pricing for Ferric Chloride?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
20	What is the current price of Micro-C Glycerin (Line Item # 034)?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
21	What size is the glycerin tank required for Micro-C Glycerin (Line Item #034)? We assume that full bulk (5,000 gallon) deliveries will be the method of delivery based on the quantity listed.	The Glycerin Storage Tank has a capacity of 10,000 gallons. Full Bulk deliveries of 5,000 gallons would be the preferred delivery method.



Participating Agency:		Fort Detrick																	
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3	What size is the glycerin tank required for Micro-C Glycerin (Line Item #034)? Why must the product be transferred from a tote to the bulk tank? Could glycerin be fed directly from the tote bin?	850-gallon, 2 tanks for glycerin. No, storage units are needed for floor space reasons and direct feed for system use. Note: 850-gallon 1 tank for aluminum chlorohydrate.																	
4	Can Liquid Polymer - ZETAG 7878FS40, winter and summer blend (line items #045 and #046), be delivered in quantities greater than 1 drum per delivery? Deliveries of 4 drums at a time would supply two months of product with one delivery.	Yes. Deliveries can be more than 1 drum. 4 drums for two months is an assumption, but it will depend on polymer effectiveness in water. Deliveries must not exceed allocated amount in contract award/line item.																	
5	What is your current price for ZETAG 7878FS40 and ZETAG 8844FS (Line Items #045 and #046)? Who is the current supplier?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.																	
6	Will tanks need to be provided at Fort Detrick for polymers since line items #045 and #046 indicates that the polymer products are to be delivered in drums? (pages 32 and 33)	No, drums are fit for use.																	
7	"Can the polymer delivery requirements for Fort Detrick be relaxed? 12 hours after receipt of order is unreasonable and a 3-hour delivery radius is extremely restrictive. (page 33)"	Yes. WWTP supervisor/COR requests one week or two weeks in advance.																	

Participating Agency:		Leesburg, Town of
#	Question	Response
1	Can you provide the quantity per delivery for each line item you've requested on Table A?	<p>Caustic Soda 50%: ~12 dry tons  Caustic Soda 25%: ~5.8 dry tons  Ferric Chloride 37% – 42%: ~8.5 dry tons  Hydrofluosilicic Acid 25% bulk (not drums): ~1000 gallons or ~5.0 wet tons  Methanol: ~5000 gallons  Potassium Permanganate: 2 tons, pails, pallet stacked and shrink wrapped  Powdered Activated Carbon: 5 – 10 tons, bagged, pallet stacked and shrink wrapped  Sodium Bisulfite: ~4000 gallons  Sodium Hypochlorite Drums: 5 drums per delivery  Sodium Hypochlorite Bulk (15%): ~5000 gallons  Sulfuric Acid (93%): ~3000 gallons or 25 wet tons</p>
2	Who are the current suppliers and what are the current prices for Powder Activated Carbon?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
3	Can you please provide current pricing for Liquid Ferric Chloride and Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
4	How is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
5	What is the average delivery size and tank size required for Sodium Bisulfite?	~4000 gallons
6	What is the average delivery size and current price received for Sodium Bisulfite?	N/A
7	Can you please confirm annual quantities of Ferric Chloride, 37%-42% (line item #025) <b>and</b> whether a wet ton or dry ton is requested?	385 dry tons. This is estimate combined for both water and wastewater plant.
8	Please confirm annual quantities of Powder Activated Carbon.	25 tons, ~50-pound bags, pallet stacked and shrink wrapped.
9	How many tons of Powder Activated Carbon are delivered to each of the three locations?	All 25 tons will be delivered to the Water Filtration Plant

10	How often does each location order Powder Activated Carbon?	3 – 4 loads a year																																																												
11	What seasonality is in the orders of Powder Activated Carbon?	Spaced throughout the year, but primarily important in late summer and fall																																																												
12	<p>Please indicate if you require a “wet” or “dry” ton for the following chemicals:</p> <table border="1" data-bbox="262 435 709 1382"> <tr><td>Aluminum Sulfate</td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td></tr> <tr><td>Calcium Thiosulfate 24%</td></tr> <tr><td>Caustic Soda 50%</td></tr> <tr><td>Chlorine, 1 Ton Containers</td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td></tr> <tr><td>Quicklime Medium Pebble</td></tr> <tr><td>Orthophosphate 75%</td></tr> <tr><td>Orthophosphate 36% Totes</td></tr> <tr><td>Phosphoric Acid</td></tr> <tr><td>Polyaluminum Chloride</td></tr> <tr><td>Potassium Permanganate (Pails)</td></tr> <tr><td>Powder Activated Carbon</td></tr> <tr><td>Sodium Carbonate (Soda Ash)</td></tr> <tr><td>Sodium Permanganate 20% Totes</td></tr> <tr><td>Sulfuric Acid, 93%</td></tr> </table>	Aluminum Sulfate	Calcium Hydroxide (Hydrated Lime)	Calcium Thiosulfate 24%	Caustic Soda 50%	Chlorine, 1 Ton Containers	Ferric Chloride, Grade 2 Liquid	Ferric Chloride, Water 37%-42%	Hydrofluosalicic Acid 23%-25%	Hydrofluosilicic Acid (25%), Bulk	Quicklime Medium Pebble	Orthophosphate 75%	Orthophosphate 36% Totes	Phosphoric Acid	Polyaluminum Chloride	Potassium Permanganate (Pails)	Powder Activated Carbon	Sodium Carbonate (Soda Ash)	Sodium Permanganate 20% Totes	Sulfuric Acid, 93%	<table border="1" data-bbox="1081 319 1507 1382"> <tr><td>CHEMICAL:</td><td>Wet or Dry?</td></tr> <tr><td>Aluminum Sulfate</td><td></td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td><td></td></tr> <tr><td>Calcium Thiosulfate 24%</td><td></td></tr> <tr><td>Caustic Soda 50%</td><td>Dry ton</td></tr> <tr><td>Chlorine, 1 Ton Containers</td><td></td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td><td></td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td><td>Dry ton</td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td><td>Wet ton or gallons</td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td><td></td></tr> <tr><td>Quicklime Medium Pebble</td><td></td></tr> <tr><td>Orthophosphate 75%</td><td></td></tr> <tr><td>Orthophosphate 36% Totes</td><td></td></tr> <tr><td>Phosphoric Acid</td><td></td></tr> <tr><td>Polyaluminum Chloride</td><td></td></tr> <tr><td>Potassium Permanganate (Pails)</td><td></td></tr> <tr><td>Powder Activated Carbon</td><td></td></tr> <tr><td>Sodium Carbonate (Soda Ash)</td><td></td></tr> <tr><td>Sodium Permanganate 20% Totes</td><td></td></tr> <tr><td>Sulfuric Acid, 93%</td><td>Wet ton or gallons</td></tr> </table>	CHEMICAL:	Wet or Dry?	Aluminum Sulfate		Calcium Hydroxide (Hydrated Lime)		Calcium Thiosulfate 24%		Caustic Soda 50%	Dry ton	Chlorine, 1 Ton Containers		Ferric Chloride, Grade 2 Liquid		Ferric Chloride, Water 37%-42%	Dry ton	Hydrofluosalicic Acid 23%-25%	Wet ton or gallons	Hydrofluosilicic Acid (25%), Bulk		Quicklime Medium Pebble		Orthophosphate 75%		Orthophosphate 36% Totes		Phosphoric Acid		Polyaluminum Chloride		Potassium Permanganate (Pails)		Powder Activated Carbon		Sodium Carbonate (Soda Ash)		Sodium Permanganate 20% Totes		Sulfuric Acid, 93%	Wet ton or gallons	
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13	Are all orders of Powder Activated Carbon bulk loads? Are there some van loads? What amount is required for each	All PAC must be bagged, pallet stacked, shrink wrapped. Typically delivered by box truck – 5 – 10 pallets																																																												

	bulk load, per location? What amount is required for each van load, per location?	
14	Please describe the system(s) that Powder Activated Carbon are being loaded into - Overhead silo or in ground tank?	Offloaded with pallet jacks, forklift is not available at site.
15	Please describe any limitations on delivery pressure from the bulk truck for each location. Please describe and list PSIG limitation.	Delivery air to be supplied by the delivery truck. Typical offloading pressure is ~20 psi
16	Please confirm annual quantities of Potassium Permanganate.	5 tons. Typically, ~53 lb. pails. Pails are delivered pallet stacked and shrink wrapped.
17	What is your current pricing for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
18	What is your current pricing for Ferric Chloride?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.

Participating Agency:		Loudoun Water
#	Question	Response
1	Can you provide the quantity per delivery for each line item you've requested on Table A?	<p>Aluminum Sulfate 48% Liquid – <b>4,000-4,200 gallons</b></p> <p>Ammonium Sulfate 40%, Liquid Totes – <b>4,700 gallons</b></p> <p>Ammonium Hydroxide 19% - <b>N/A</b></p> <p>Bio Neutralizer Tablets (Dechlor) 2- 5/8" – <b>20 pails</b></p> <p>Bio-sanitizer 2-7/8 70% disftg tab bucket – <b>10 pails</b></p> <p>Calcium Thiosulfate 24% - <b>4,700 gallons</b></p> <p>Caustic Soda 50% - <b>3 totes</b></p> <p>Citric Acid 50% - <b>4,200 gallons</b></p> <p>Hydrofluosalicic Acid 23%-25% - <b>4,700 gallons</b></p> <p>Methanol – <b>7,000-7,200 gallons</b></p> <p>Orthophosphate 75% - <b>n/a</b></p> <p>Orthophosphate 36% Totes – <b>3 totes</b></p> <p>Phosphoric Acid 36% - <b>4,700 gallons</b></p> <p>Pollu-Tech C-498 50 Pound Bags – <b>45 Bags</b></p> <p>Polyaluminum Chloride – <b>4,700 gallons</b></p> <p>Powder Activated Carbon – <b>N/A</b></p> <p>Sodium Fluoride Bags – <b>10 bags</b></p> <p>Sodium Sulfite 92.3% -D-CHLOR bucket – <b>15 pails</b></p> <p>Sodium Bisulfite Totes – <b>3 totes</b></p>

		Sodium Hydroxide 23% - 4,700 gallons	
		Sodium Hypochlorite 15% - 4,700 gallons	
		Sodium Permanganate 20% Totes – 3 totes	
2	Please indicate if you require a “wet” or “dry” ton for the following chemicals:	CHEMICAL:	Wet or Dry?
	Aluminum Sulfate	Aluminum Sulfate	
	Calcium Hydroxide (Hydrated Lime)	Calcium Hydroxide (Hydrated Lime)	Wet
	Calcium Thiosulfate 24%	Calcium Thiosulfate 24%	Dry
	Caustic Soda 50%	Caustic Soda 50%	
	Chlorine, 1 Ton Containers	Chlorine, 1 Ton Containers	
	Ferric Chloride, Grade 2 Liquid	Ferric Chloride, Grade 2 Liquid	
	Ferric Chloride, Water 37%-42%	Ferric Chloride, Water 37%-42%	
	Hydrofluosalicic Acid 23%-25%	Hydrofluosalicic Acid 23%-25%	Wet
	Hydrofluosilicic Acid (25%), Bulk	Hydrofluosilicic Acid (25%), Bulk	
	Quicklime Medium Pebble	Quicklime Medium Pebble	
	Orthophosphate 75%	Orthophosphate 75%	
	Orthophosphate 36% Totes	Orthophosphate 36% Totes	Wet
	Phosphoric Acid	Phosphoric Acid	
	Polyaluminum Chloride	Polyaluminum Chloride	Dry
	Potassium Permanganate (Pails)	Potassium Permanganate (Pails)	
	Powder Activated Carbon	Powder Activated Carbon	
	Sodium Carbonate (Soda Ash)	Sodium Carbonate (Soda Ash)	
	Sodium Permanganate 20% Totes	Sodium Permanganate 20% Totes	Wet
	Sulfuric Acid, 93%	Sulfuric Acid, 93%	

3	Who are the current suppliers and what are the current prices for Powder Activated Carbon?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
4	How is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
5	Please confirm annual quantities of Powder Activated Carbon.	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
6	How many tons of Powder Activated Carbon are delivered to each of the two locations?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
7	How often does each location order Powder Activated Carbon?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
8	What seasonality is in the orders of Powder Activated Carbon?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
9	Are all orders of Powder Activated Carbon bulk loads? Are there some van loads? What amount is required for each bulk load, per location? What amount is required for each van load, per location?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
10	Please describe the system(s) that Powder Activated Carbon are being loaded into - Overhead silo or in ground tank?	Not applicable. Please see Addendum #9 (Loudoun Water Specifications Revisions).
11	Please describe any limitations on delivery pressure from the bulk truck for each location. Please describe and list PSIG limitation.	Not available.
12	Are there any additional specifications for Hydrated Lime?	No.
13	What is your current pricing for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
14	What is the current price for Pollu-Tech C-498 (Line Item #040)?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.

Participating Agency:		Prince William County Service Authority																																																											
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3	How is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
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5	Can you please confirm annual quantities of Ferric Chloride, 37%-42% (line item #025) <b>and</b> whether a wet ton or dry ton is requested?	570 dry tons
6	What is your current pricing for Ferric Chloride?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.

Participating Agency:		Purcellville, Town of																																																											
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1	Can you provide the quantity per delivery for each line item you've requested on Table A?	Cl2 15% mini bulk 300-gallon tote / 16 cl2 drums 55-gallon 12.5 % / 40 sodium fluoride bags coarse grain 50lb bags / sodium carbonate (soda ash) 108 bags 50lb / Aluminum sulfate 80 bags 50lb / cp-33 two 55-gallon drums																																																											
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3	Would Purcellville like to receive pricing for small bulk (less than 1,000 gallons) for Sodium Bisulfite?	No, Purcellville uses 55-gallon drums of sodium bisulfate. Purcellville only has 55-gallon drum containment skids.
4	Please confirm annual quantities of Potassium Permanganate.	15 pails a year.
5	What is your current pricing for Sodium Bisulfite?	.3400 lbs. Purcellville uses 55-gallon drums.
6	Should the Sodium Bisulfite be delivered in drums?	Yes.
7	Can you please provide the specific delivery location(s)/address(es) for delivery of Aluminum Sulfate (Line Item #004)?	16153 Short Hill Road, Purcellville, VA 20132

Participating Agency:		Stafford County																																																					
#	Question	Response																																																					
1	Can you provide the quantity per delivery for each line item you've requested on Table A?	<p>Calcium Hydroxide in a slurry, with the normal delivery quantity of 4,000 gallons.</p> <p>Aquia uses about 48 totes a year of BASF polymer ZETAG 8846FS and use liquid Aluminum Sulfate around 47,000 gallons per year priced per ton. Magnesium Hydroxide at about 50,000 gallons per year priced per gallon.</p>																																																					
2	<p>Please indicate if you require a "wet" or "dry" ton for the following chemicals:</p> <table border="1" data-bbox="262 568 709 1404"> <tr><td>Aluminum Sulfate</td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td></tr> <tr><td>Calcium Thiosulfate 24%</td></tr> <tr><td>Caustic Soda 50%</td></tr> <tr><td>Chlorine, 1 Ton Containers</td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td></tr> <tr><td>Quicklime Medium Pebble</td></tr> <tr><td>Orthophosphate 75%</td></tr> <tr><td>Orthophosphate 36% Totes</td></tr> <tr><td>Phosphoric Acid</td></tr> <tr><td>Polyaluminum Chloride</td></tr> <tr><td>Potassium Permanganate (Pails)</td></tr> <tr><td>Powder Activated Carbon</td></tr> <tr><td>Sodium Carbonate (Soda Ash)</td></tr> </table>	Aluminum Sulfate	Calcium Hydroxide (Hydrated Lime)	Calcium Thiosulfate 24%	Caustic Soda 50%	Chlorine, 1 Ton Containers	Ferric Chloride, Grade 2 Liquid	Ferric Chloride, Water 37%-42%	Hydrofluosalicic Acid 23%-25%	Hydrofluosilicic Acid (25%), Bulk	Quicklime Medium Pebble	Orthophosphate 75%	Orthophosphate 36% Totes	Phosphoric Acid	Polyaluminum Chloride	Potassium Permanganate (Pails)	Powder Activated Carbon	Sodium Carbonate (Soda Ash)	<table border="1" data-bbox="1092 451 1837 1404"> <thead> <tr> <th>CHEMICAL:</th> <th>Wet or Dry?</th> </tr> </thead> <tbody> <tr><td>Aluminum Sulfate</td><td></td></tr> <tr><td>Calcium Hydroxide (Hydrated Lime)</td><td></td></tr> <tr><td>Calcium Thiosulfate 24%</td><td></td></tr> <tr><td>Caustic Soda 50%</td><td>Wet</td></tr> <tr><td>Chlorine, 1 Ton Containers</td><td></td></tr> <tr><td>Ferric Chloride, Grade 2 Liquid</td><td></td></tr> <tr><td>Ferric Chloride, Water 37%-42%</td><td></td></tr> <tr><td>Hydrofluosalicic Acid 23%-25%</td><td></td></tr> <tr><td>Hydrofluosilicic Acid (25%), Bulk</td><td>Wet</td></tr> <tr><td>Quicklime Medium Pebble</td><td></td></tr> <tr><td>Orthophosphate 75%</td><td></td></tr> <tr><td>Orthophosphate 36% Totes</td><td></td></tr> <tr><td>Phosphoric Acid</td><td></td></tr> <tr><td>Poyaluminum Chloride</td><td></td></tr> <tr><td>Potassium Permanganate (Pails)</td><td>Dry</td></tr> <tr><td>Powder Activated Carbon</td><td></td></tr> <tr><td>Sodium Carbonate (Soda Ash)</td><td></td></tr> </tbody> </table>	CHEMICAL:	Wet or Dry?	Aluminum Sulfate		Calcium Hydroxide (Hydrated Lime)		Calcium Thiosulfate 24%		Caustic Soda 50%	Wet	Chlorine, 1 Ton Containers		Ferric Chloride, Grade 2 Liquid		Ferric Chloride, Water 37%-42%		Hydrofluosalicic Acid 23%-25%		Hydrofluosilicic Acid (25%), Bulk	Wet	Quicklime Medium Pebble		Orthophosphate 75%		Orthophosphate 36% Totes		Phosphoric Acid		Poyaluminum Chloride		Potassium Permanganate (Pails)	Dry	Powder Activated Carbon		Sodium Carbonate (Soda Ash)	
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3	Who are the current suppliers and what are the current prices for Powder Activated Carbon?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.		
4	How is the current supplier for Hydrated Lime and Quicklime and what is the price per ton?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.		
5	What is the average delivery size and tank size required for Sodium Bisulfite?	Sodium bisulfite comes in 55-gallon drums. Usually 7 at a time.		
6	What is the average delivery size and current price received for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items		
7	Please confirm annual quantities of Powder Activated Carbon.	Powder Activated Carbon is ordered in 800 lb. super sacks on as needed basis.		
8	How many tons of Powder Activated Carbon are delivered to each of the two locations?	<i>Information is not available.</i>		
9	How often does each location order Powder Activated Carbon?	<i>Information is not available.</i>		
10	What seasonality is in the orders of Powder Activated Carbon?	<i>Information is not available.</i>		
11	Are all orders of Powder Activated Carbon bulk loads? Are there some van loads? What amount is required for each bulk load, per location? What amount is required for each van load, per location?	<i>Information is not available.</i>		
12	Please describe the system(s) that Powder Activated Carbon are being loaded into - Overhead silo or in ground tank?	Powder Activated Carbon is fed into a gravity silo into a slurry.		
13	Please describe any limitations on delivery pressure from the bulk truck for each location. Please describe and list PSIG limitation.	<i>Information is not available.</i>		
14	Please confirm annual quantities of Potassium Permanganate.	<i>Information is not available.</i>		
15	Are there any additional specifications for Hydrated Lime?	<i>Information is not available.</i>		

16	What is your current pricing for Sodium Bisulfite?	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
17	Please confirm usage amount for Liquid Ferric Sulfate (Line Item #026) as 286,505 wet lbs. or wet tons?	Stafford's Liquid Ferric Sulfate invoices are shown as Dry Tons or in pounds. Last invoice shows 2.85 dry tons or 43,360 pounds.
18	Is Clarifloc SE-890 (Line Item # 44 and page 50 of the Chemical Specifications) a dry polymer or a liquid? There is a discrepancy between the Chemical column description and the Unique Chemical Specification column description.	<i>Information is not available.</i>
19	What is the polymer product (Line Item # 043) currently supplied to Stafford County? Who supplies it and at what price? (page 50)	Supplier names and pricing will not be supplied in this RFP. Proposers are to use the specifications available in this RFP to propose prices for line items.
20	What size is the tank for line item # 43? 143,500 is a large amount of emulsion of polymer. Can this quantity be delivered in full truck load quantities (45,000 pounds)? (page 50)	<i>Information is not available.</i>
21	Can the Polymer product (Line Item #043) be fed directly from a tote bin (page 50)?	Yes.
22	What is the current price for Pollu-Tech C-498 (Line Item #040)?	<i>Information is not available.</i>
23	Can you please confirm the specifications for the Peroxide product listed on Line Item #037? The Chemical column indicates that this product is peroxide, but the Unique Chemical Specification column on page 50 lists ZETAG 8846FS, a polymer name.	<i>Information is not available.</i>

All other terms and conditions of the RFP remain unchanged.