

Municipal Authority of the Borough of Midland
946 Railroad Avenue
Midland, PA 15059

November 11, 2025

Dear Chemical Supplier:

RE: Municipal Authority Borough of Midland is accepting bids for its chemical requirements for 2026

The Municipal Authority of the Borough of Midland is soliciting bids for its chemical requirements for 2026 at its water and sewer plants. Enclosed is one copy of the contract specifications for your use in submitting a bid. Bids are due at the Authority office, 946 Railroad Avenue, Midland, PA 15059 **by 2:00PM, December 2nd, 2025.**

BIDS ARE TO BE QUOTED IN THE UNITS SPECIFIED ON THE UNIT PRICE SCHEDULE. ANY VARIATIONS WILL CAUSE THAT ITEM TO BE REJECTED. ALSO, ALL BLANKS FOR A CHEMICAL MUST EITHER BE FILLED IN OR MARKED NOT APPLICABLE. (EX: Cylinder Deposit - \$750 each or not applicable).

If there are any questions on the bids for chemicals, please contact the office.

FOR THE AUTHORITY,

John Noto
Plant Manager
Municipal Authority Borough of Midland
946 Railroad Avenue
Midland, PA 15059

ADVERTISEMENT FOR BIDS MUNICIPAL AUTHORITY OF THE BOROUGH

Separate and sealed proposals plainly marked as “ 2026 Water and Sewer Treatment Chemical Bids” will be received by the Municipal Authority of the Borough of Midland at the office of the Authority, 946 Railroad Avenue, Midland, Pennsylvania, 15059, until 2:00PM prevailing time, December 2nd, 2025 at which time and place all proposals will be opened and read publicly for the furnishing and delivery requirements of water and sewage treatment chemicals.

Specifications and bidding documents may be obtained at the office of the Manager of the Authority, Mr. John Noto, at 946 Railroad Avenue, Midland, Pennsylvania 15059. Specifications may also be obtained from the Authority website, <https://www.midlandpawater.com>. Bid information is located under general information section.

All bid prices shall be **firm prices for the year ending December 31, 2026**, and adjustment of prices due to price changes within the contract period will not be considered.

All chemicals that come in contact with the water or affect the quality of the water must comply with ANSI/NSF certification which became effective May 16, 1993 and AWWA standards.

Bids shall be accompanied by either a certified check or bid bond in the amount of not less than ten percent (10%) of the bid, made payable to the Municipal Authority of the Borough of Midland.

The Authority reserves the right to accept or reject any or all bids.

John Noto
Plant Manager
Municipal Authority
Borough of Midland
946 Railroad Avenue
Midland, PA 15059

RETURN THIS COPY OF THE BID PROPOSAL WITH EITHER A BID BOND OR CERTIFIED CHECK IN AN AMOUNT OF NOT LESS THAN TEN PERCENT (10%) OF THE BID.

NOTE: ON THE FACE OF YOUR BID PROPOSAL ENVELOPE PLAINLY MARK:
“WATER AND SEWER TREATMENT CHEMICAL BID”

**THE MUNICIPAL AUTHORITY OF THE BOROUGH OF MIDLAND
BEAVER COUNTY, MIDLAND, PENNSYLVANIA
WATER AND SEWER TREATMENT CHEMICALS**

UNIT PRICE SCHEDULE - BID PROPOSAL FOR 2026

<u>ITEM</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT PRICE</u>
1) Polyaluminum Hydroxychlorosulfate Hyperlon 4020	12,000 gallons	\$ _____ per 330-gallon pump off tank
2) SPD-CVH ION		\$ _____ per 450 lb. plastic drum
3) CAUSTIC SODA 25% SOLUTION	7,000 gallons	\$ _____ per 330 gallon -pump off truck
4) LIQUID CHLORINE (150# CYLINDERS) Sewer Plant	2 Tons	\$ _____ per 150 lb. cylinder Cylinder Deposit: \$ _____ each
4A) Liquid Chlorine – One Ton Cylinder Water Plant	8 Tons	\$ _____ per one ton cylinder Cylinder Deposit: \$ _____
4B) Liquid Chlorine – 150 lb. cylinders Water Plant	10 Cylinders	\$ _____ per 150 lb. Cylinder Cylinder Deposit \$ _____ each
5) Potassium Permanganate	3 Tons	\$ _____ per 100 lb. drum Cylinder
6) Activated Carbon Powder – 50lb. bag	2 Tons	\$ _____ per 100 lbs.
7) Sodium Hypochlorite- 12.5 % Solution	6,000 gallons	\$ _____ per gallon – pump off truck
8) Calcium Nitrate	6,000 gallons	\$ _____ per gallon – pump off truck
9) Calcium Hypochlorite-Granular-100# drum	2 drums	\$ _____ per 100# drum
10) Sodium Bisulfate Solution 30-40%	1,500 gallons	\$ _____ per gallon- pump off truck

PROPOSAL SUBMITTED BY:

Bidder: _____

Address: _____

Email: _____

Phone: _____

DATE: _____

The owner reserves the right to reject all or any part of this proposal.

**** Unit Prices quoted shall be firm prices for the entire year of 2026 and requests for price adjustments within the contract period will not be considered.**

BID SECURITY:

A certified check or bid bond in the amount of not less than ten percent (10%) of the bid, must be submitted with each bid. This bid bond shall be returned to all except the three (3) lowest bidders immediately following the bid opening. The bid security of the three (3) low bidders shall be held by the Owner until satisfactory contracts have been executed. In the event a successful bidder fails to execute a contract within ten (10) days from the date it is offered to him, his bid security shall be forfeited to the Owner and the contract shall be award to the next low bidder.

CONTRACT

It is hereby agreed this ____ day of January 2025, by and between _____ hereinafter called the Contractor, and the Municipal Authority of the Borough of Midland, Beaver County, Pennsylvania 15059, hereinafter called the Owner, for and in consideration of the offer of proposal of the contractor dated December 8, 2025 that the owner hereby contracts with the Contractor for the supply of Water and Sewage Treatment Chemicals as noted on the attached page until December 31, 2026.

The parties hereto mutually agree that all terms, conditions, specifications, and provisions of the above offer of proposal and all attached instruments are hereby incorporated and by reference made a part hereof.

In witness whereof, and intending to be legally bound hereby, we have hereunto set our hands and seals.

**THE MUNICIPAL AUTHORITY
BOROUGH OF MIDLAND**

ATTEST: _____ **BY:** _____

TITLE: _____

CONTRACTOR

ATTEST: _____ **BY:** _____

TITLE: _____

**THE MUNICIPAL AUTHORITY OF THE BOROUGH OF MIDLAND
SPECIFICATIONS FOR WATER AND SEWAGE TREATMENT CHEMICALS**

A. GENERAL

1. Scope

The work to be done consists of furnishing and delivering by truck, FOB destination: namely, Water Filtration Plant or Wastewater Treatment Plant, Midland, Beaver County, Pennsylvania, water and wastewater treatment chemicals in such quantities as the Municipal Authority of the Borough of Midland may require from time to time during the term of the contract, all in accordance with the conditions and requirements of the contract to be entered into and these specifications and conditions which will form a part of said contract.

2. Manager

The "Manager" shall be and is mutually understood to refer to and mean the Manager of the Municipal Authority of the Borough of Midland, his successor or his properly authorized agents and assistants.

3. Owner

The "Owner" shall be and is mutually understood to refer to and mean the Municipal Authority of the Borough of Midland.

4. Contractor

The "Contractor" shall be and is mutually understood to refer to and mean the party or parties who have entered into the contract to perform the work to be done as set forth by these specifications, or the legal representative of such party or parties.

5. Responsibility

The Contractor shall be responsible for all chemicals in transit, and until such times as they are unloaded by the Contractor at destination and shall make good all losses caused by container damage or breakage in transit.

The Contractor shall submit with his bid analyses of the chemicals that will be supplied during the life of the contract.

6. Delivery

The Manager shall have the right to order material under the contract within ten (10) days after signing the contract. Material shall be furnished on the date and time specified by the Manager unless another date and time is mutually agreed upon. All deliveries, except caustic soda and polyaluminum hydroxychlorosulfate, shall be on pallets, with not more than one (1) ton per pallet.

TERMS OF CONTRACT

The terms of this contract shall be for a period as set forth in the advertisement.

ANSI/NSF CERTIFICATION

ANSI/NSF Certification has become effective in the Commonwealth of Pennsylvania. All chemicals or materials used by the Municipal Authority of the Borough of Midland that come in contact with the water or that affects the quality of the water must meet this certification.

According to Pennsylvania DER Section 109.606. Chemicals, materials and equipment:

- a) Chemicals or materials which may come in contact with the water or affect the quality of the water may not be used unless the chemicals or materials are acceptable to the Department. After May 16, 1993, chemicals used by a public water supplier which may come in contact with and/or affect the quality of the water shall be certified for conformance with ANSI/NSF Standard 60 (Drinking Water System Components - Health Effects - National Sanitation Foundation).

B. CHEMICAL SPECIFICATIONS

1. Polyaluminum Hydroxychlorosulfate - (Item 1)

a. Containers and Shipments

The Polyaluminum Hydroxychlorosulfate shall be shipped in 330-gallon pump off tanks. Shipments shall be made in quantities as required and ordered the by Manager from time to time during the period of the contract. The Chemical shall be pumped off of the supplier's truck by the supplier.

b. Quality / Specifications

The Polyaluminum Hydroxychlorosulfate furnished under this contract, shall be in accordance with AWWA Standard Specifications latest revision. An affidavit of compliance may be required by the Owner.

The composition of the material shall also meet the following specifications, as determined in accordance with the testing methods outlined in the AWWA Standard, and shall be similar in composition to DelPAC 2020 manufactured by Delta Chemical Corporation or PAX XL -8 (NSF/ANSI 60):

% Aluminum Oxide	10.5 +/- 0.5%
% Aluminum	5.6 +/- 0.3%
Basicity	70% Min.
Sulfate	1.3% Min.
Chloride	9% Min
PH	2.5 +/- 0.3
Specific Gravity (60 F)	1.23 +/- 0.03
Color	Water white to tan
Appearance	Slightly hazy to Clear
Freezing Point	-12 F
CAS No.	1327-41-9
UN Class:	UN 1760 Corrosive Liquid: N.O.S. (Polyaluminum Hyroxychlorosulfate)

**2. SPD-CHVION (Chemical ID Polymer Propenamimium, Dimethypr Open YL Cl) CAS# 26062 -79-3
(Item 2)**

a. Containers and Shipments

SPD-CHVION shall be shipped in 450-pound plastic drums. Shipments shall be made in quantities as required and ordered by the Manager from time to time during the period of the contract.

b. Quality/Specifications

SPD-CHVION furnished under this contract shall be in accordance with AWWA Standard Specification B303 latest revision. An affidavit of compliance may be required by the Owner.

3. Caustic Soda - 25% Solution (Item 3)

a. Containers and Shipments

The caustic soda shall be shipped in 330-gallon pump off tanks. Shipments shall be made in quantities as required and ordered by the Manager from time to time during the period of the contract. The caustic soda shall be pumped off of the supplier's truck by the supplier.

b. Concentration Requirements

The amount of concentration of the Caustic Soda shall be a 25% solution.

c. Quality/Specifications

Caustic soda shall conform to AWWA Standards latest revision for Caustic Soda 25% diaphragm. The composition of the material shall also meet the following specifications as determined in accordance with testing methods outlined by AWWA:

<u>COMPONENT</u>	<u>BASIS</u>	<u>SALES SPECIFICATION</u>
Total Alkalinity (as Na O)	wt. %	38.1 min - 39.63 max.
Hydroxide Alkalinity (as NaOH)	wt. %	49.0 min - 51.0 max.
NaCO	wt. %	.40% max.
NaCL	wt. %	2.20% max.
NaSO	wt. %	.05 max
Fe	ppm by wt.	9.0 max.
Appearance:	clear, no extraneous matter	

4. Liquid Chlorine (Items 4, 4A and 4B)

a. Containers and Shipments

The liquid chlorine shall be shipped in steel containers of 150-pound capacity or of one ton capacity, as ordered by the Manager, each provided with suitable valve for controlling flow of chlorine. The containers shall be cleaned and dried before filling.

Shipments and quantities shall be made when specified by the Manager. The one-ton containers of chlorine shall be delivered to the Filtration Plant and the 150 pound containers of chlorine shall be shipped to the Sewage Treatment Plant when directed by the Manager.

b. Quality/ Specifications

The liquid chlorine shall be 99.5% pure by volume and shall comply with AWWA Standard Specification B301 latest revision.

5. Potassium Permanganate - CAIROX or Potassium Permanganate, Free Flowing, Organic Industries (NSF/ANSI 60) (Item 5)

a. Containers, Shipments and Marking

Potassium Permanganate shall be packaged and shipped in suitable 330.75-pound (150 kilograms) metal containers. Each package shall be legibly marked with the term "Potassium Permanganate", the net weight of the contents, the name of the manufacturers, and a brand name, if any. The package may also bear the statement "Guarantee by (name of manufacturer) to meet the specifications of the American Water Works Association for Potassium Permanganate." An affidavit of compliance with the AWWA Specifications may be required by the Owner, Shipments and quantities shall be made when specified by the Manager.

b. Quality/Specifications

The potassium permanganate shall be free-flowing grade suitable for water treatment and shall comply with AWWA Standard Specification B603 latest revision.

6. Powdered Activated Carbon (Item 6)

a. Containers and Shipments

The carbon shall be contained in paper bags being at least 4 ply 3-170, 1-70 or approved equal. Each bag shall weigh approximately 50 pounds. Shipments shall be in truckload lots or less than truck load lots as a time or times specified by the Manager.

b. Quality/Specifications

Shall be of the powdered type and conform to AWWA Standard B600-78, latest revision, for Powdered Activated Carbon. The composition of the material shall also meet the following specification, as determined in accordance with the testing methods outlined in the AWWA Standard B600-78, Section 4, and shall be similar in composition to "Watercarb" Activated Carbon for Treatment of Potable Drinking Water, as manufactured by ACTICARB:

6. Powdered Activated Carbon (Item 6)- c. Quality/Specification...Continued

Iodine Number	(Minimum)	550
Modified Phenol valve	(Min- Max)	1.82g/l - 2.28 g/l
Moisture	(Max)	5%
Density	(Min. - Max)	0.45 g/ml - 0.51g/ml
Carbon Content	(Min)	93%
Fineness:		
% thru 100 mesh	(Min)	99%
% thru 20 mesh	(Min)	97%
% thru 325 mesh	(Min)	90%

Carbon shall contain no soluble inorganic or organic substances in quantities capable of producing a deleterious or injurious effect on the health of any person or animal consuming the water nor have any other properties which would otherwise render water treated with such substance unfit for consumption.

7. Sodium Hypochlorite – 12.5% Solution – (Item 7)

a. Containers and Shipments

Shipments will be in pump off containers. Shipments shall be made in quantities as required and ordered by the Manager from time to time during the period of the contract.

b. Quality/Specifications

Sodium Hypochlorite – 12.5 % Solution shall conform to AWWA Standards latest revision for Sodium Hypochlorite – 12.5% solution.

Physical and Chemical Properties

Appearance:	Liquid, Clear, Yellow to Yellow Green
Odor:	Chlorine-like, pungent
Odor Threshold:	0.3 ppm (detection), for Chlorine
pH (Neutrality)	12-14 (1% Solution)
Melting Point/ Freezing point	-27 C/-17F
Boiling range (IBP, 50% Dry Point)	140C/284F
Flammability Class	Non-Combustible
Vapor Pressure (mm of Hg) 20C	12 (12.5% Solution)
Vapor Density (air=1)	0.670
Gravity @ 68/68 F /20/20 C:	
Specific gravity (Water=1)	1.17
Pounds/Gallons	9.75
Water solubility:	Complete

8 Calcium Nitrate – (Item 8)

a. Containers and Shipments

Product shall be shipped in 330-gallon pump off tanks. Shipments shall be made in quantities as required and ordered by the Authority Plant Manager from time to time during the contract period. The Calcium Nitrate shall be pumped off the supplier's truck by the supplier.

a. Quality/Specifications

Calcium Nitrate shall conform to the AWWA Standards latest revision for Calcium Nitrate.

9 Calcium Hypochlorite – (Item 9)

a. Containers and Shipments

Product shall be shipped in 100# drums and shall be granular in form. Shipments shall be made in quantities as required and ordered by the Authority Plant Manager from time to time during the contract period.

b. Quality/Specifications

Calcium Hypochlorite shall conform to the AWWA Standards latest revision for Calcium Hypochlorite.

10. Sodium Bisulfite Solution – 30 TO 40% (Item 10)

a. Containers and Shipments

Products shall be shipped in pump off container. Shipments shall be made in quantities as required and ordered by the Manager from time to time during the period of the contract.

b. Quality/Specifications

Sodium Bisulfite Solution 30 to 40% shall conform to the AWWA Standards latest revision for Sodium Bisulfite Solution 30 to 40%.

Physical and Chemical Properties

Appearance:	Liquid, Straw Yellow
Odor:	Sharp, Pungent
Odor Threshold:	Not Available
pH (Neutrality):	4.1 – 4.6
Melting Point/Freezing Point	-7.8C/+18F
Boiling Range (IBP, 50%, Dry Point)	>100 C / > 212 F
Flammability Classification:	Non-Combustible
Vapor Pressure (mm of Hg) @20 C	9
Vapor Density (air=1)	0.670
Gravity @ 68/68 F 20/20C:	
Specific Gravity (Water=1)	1.320
Pounds/Gallons	10.996
Water Solubility:	Complete