



**CITY OF CORONA
DEPARTMENT OF WATER & POWER**

June 17, 2021

SUBJECT: Notice Inviting Bids No. 21-082CA

**Addendum No. 1
Potable Water & Wastewater Treatment Chemicals**

This Addendum No. 1 to the subject Notice Inviting Bids provides answers to questions received. Please note the bid due date and time have not changed.

All provisions of this Addendum No. 1 are hereby incorporated by reference into the subject NIB. Bidders shall account for all provisions pursuant to this Addendum No. 1 in submitting their bids. Each bidder shall acknowledge receipt of this Addendum in their Bid in the spaces provided therein.

1. Questions & Answers:

1.1 Question: “Who is the current anionic polymer vendor at Temescal Desalter Plant? What is the product name and current price? What application is the anionic polymer being used for at Temescal Desalter Plant?”

Response: Polymer is not used at the Temescal Desalter.

1.2 Question: “Who is your current cationic and anionic supplier for Water Reclamation and Water Treatment Facilities?”

Response: Water Reclamation:
Anionic supplier – Solenis. Cationic supplier – Aqua Ben and Solenis

Potable Water Treatment:
Cationic- Polydyne
Anionic- Aqua Ben

1.3 Question: Please provide the product names for the cationic and anionic polymers.

Response: Water Reclamation:
Belt Press / Centrifuge Cationic Polymer (Aqua Ben 750 L)
GBT Cationic Polymer (Praestol K 275 FLX)

Primary Clarifier Anionic Polymer (Praestol A 3040 LTR)

Potable Water Treatment:

Pretreatment- C308P

Gravity thickener- Hydrofloc 534P

1.4 Question: “What are the dosages of cationic and anionic polymer?”

Response: Water Reclamation:

Anionic – 0.5 gallons per hour

GBT Cationic – ~1 gallons per hour

Centrifuge Cationic - ~5 gallons per hour

Potable Water Treatment:

Cationic- 0.75 mg/l

Anionic - .50 mg/l

1.5 Question: “In the Bid Evaluation section for Water Reclamation and Water Treatment Facilities, please provide what the minimum desired results are for cationic and anionic polymers.”

Response: Water Reclamation:

Anionic polymer – increased non-soluble BOD removal and non-soluble TSS removal from primary clarifiers to meet permit requirements.

Cationic polymer – to produce thickened sludge and increase solids capacity in digesters; to produce dewatered centrifuge cake of 18% TS or greater.

Potable Water Treatment:

0.05 NTU in post filter effluent

1.6 Question: “In the Bid/Price form section, will the dose rate come from the vendor jar test results?”

Response: They will be used as a guide for both water reclamation and potable water treatment. Flow rates may change based upon demand changes, and accordingly, the dose rates will also need to change from time to time to accommodate for process/flow changes.

1.7 Question: “Since the vendor is required to submit one (1) liter bid product samples, will the City conduct its own jar test to determine the dose rate that meet the minimum desired results?”

- Response: Bidders will conduct the jar testing.
- 1.8 Question: “What type of applications are being used at the Temescal Desalter?”
- Response: Pre- sulfuric acid and threshold inhibitor
Post- caustic soda, sodium hypochlorite, ammonium hydroxide and polyphosphate
- 1.9 Question: “Please provide the product names and current prices for the scale and corrosion inhibitors.”
- Response: Sulfuric Acid and Kinglee pretreat 0100 plus
- 1.10 Question: “Please provide the product names and current prices for the scale and corrosion inhibitors.”
- Response: Sulfuric Acid
Threshold Inhibitor
- 1.11 Question: “I just wanted to confirm the bid will be open to the public amid COVID-19 restriction. If not, how soon can we get the bid results after the bid opening?”
- Response: The bid will be open to the public amid COVID-19 restriction. Bidders will be notified by email with the bid results for each chemical. There will not be an official public bid opening as bids are to be submitted electronically through PlanetBids.
- 1.12 Question: “Who is the supplier and the current pricing for the cationic and anionic polymers? Can you provide the bid tabulation from the last bid?”
- Response: Water Reclamation:
Belt Press / Centrifuge Cationic Polymer (750 L) – Aqua Ben
\$63,500 per 5000-gallon bulk load.
GBT Cationic Polymer (Praestol K 275 FLX) – Solenis / \$58,800
per 5,000-gallon bulk load, \$3200 per 275-gallon tote.
Primary Clarifier Anionic Polymer (Praestol A 3040 LTR) – Solenis /
\$59,000 per 5000-gallon bulk load.

Potable Water Treatment:

Cationic polymer - Polydyne- \$0.76/lb

Anionic polymer - Aqua Ben- \$1.47/lb

1.13 Question: “Are one year option year renewals based on mutual agreement with Supplier and City?”

Response: Yes

1.14 Question: “Who are your suppliers and price for the following chemicals: Sodium Hypochlorite, Caustic Soda, Polymer, Aluminums Sulfate, Ammonium Hydroxide, Ferric and Polymer?”

Response: Sodium Hypochlorite – Olin / \$4000 per 5000-gallon bulk load.
Caustic Soda – n/a
Aluminum Sulfate – Aqua Ben / \$2715 per 275-gallon tote.
Ammonium Hydroxide – N/A
Ferric Chloride – California Water Technologies / \$5300 per 5000-gallon bulk load.
Belt Press / Centrifuge Cationic Polymer (750 L) – Aqua Ben \$63,500 per 5000-gallon bulk load.
GBT Cationic Polymer (Praestol K 275 FLX) – Solenis / \$58,800 per 5,000-gallon bulk load, \$3200 per 275-gallon tote.
Primary Clarifier Anionic Polymer (Praestol A 3040 L) – Solenis / \$59,000 per 5000-gallon bulk load.
Sodium Bisulfite – UNIVAR / \$4750 per 5000-gallon bulk load.
Antiscalant- Kinglee Tech - \$9.45/gal
Cationic polymer-Polydyne - \$0.76/lb
Alum- Thatcher - \$0.13/lb
Ammonia - Airgas - \$0.13/lb
Sulfuric Acid - Univar - \$0.12/lb
Caustic Soda - JCI Jones - \$1.48/gal
Sodium Hypochlorite - Olin- \$1.02/gal

1.15 Question: “Can you post the last bid tab for this?”

Response: No. Please submit a Public Records Request through the Corona City Clerk’s office to receive this information.

1.16 Question: “May I get the current supplier/price for Aluminum Sulfate and Ferric Chloride, please?”

Response: Water Reclamation:
Aluminum Sulfate – Aqua Ben / \$2715 per 275-gallon tote
Ferric Chloride – California Water Technologies / ~\$5300 per 5000-gallon bulk load
Potable Water Treatment:
Aluminum Sulfate- Thatcher- \$0.13/lb

1.17 Question: “The Corrosion and Scale inhibitor references 2 tote deliveries. Are the totes dropped off at site or are they pumped off into a tank on site?”

Response: There is one delivery location, Temescal Desalter. The totes are dropped off at site.

1.18 Question: “Will there be a public opening? If yes, will this be available via conference call or a virtual meeting online?”

Response: No

1.19 Question: “Can you post the last bid tab for this?”

Response: No. Please submit a Public Records Request through the Corona City Clerk’s office to receive this information.

1.20 Question: “Who is supplying each product?”

Response: Sodium Hypochlorite – Olin / \$4000 per 5000-gallon bulk load.
Caustic Soda – n/a
Aluminum Sulfate – Aqua Ben / \$2715 per 275-gallon tote.
Ammonium Hydroxide – N/A
Ferric Chloride – California Water Technologies / \$5300 per 5000-gallon bulk load.
Belt Press / Centrifuge Cationic Polymer (750 L) – Aqua Ben \$63,500 per 5000-gallon bulk load.
GBT Cationic Polymer (Praestol K 275 FLX) – Solenis / \$58,800 per 5,000-gallon bulk load, \$3200 per 275-gallon tote.
Primary Clarifier Anionic Polymer (Praestol A 3040 L) – Solenis / \$59,000 per 5000-gallon bulk load.
Sodium Bisulfite – UNIVAR / \$4750 per 5000-gallon bulk load.
Antiscalant- Kinglee Tech- \$9.45/gal
Cationic polymer - Polydyne- \$0.76/lb
Alum – Thatcher - \$0.13/lb

Ammonia - Airgas- \$0.13/lb
Sulfuric Acid – Univar - \$0.12/lb
Caustic Soda - JCI Jones - \$1.48/gal
Sodium Hypochlorite – Olin - \$1.02/gal

- 1.21 Question: “What are you current paying for each product?”
Response: Refer to the response provided for Question 1.20.
- 1.22 Question: “We will be submitting samples of our Alum and Acid Alum for the current bid. We use a 1 liter Nalgene bottle typically. Can we use this style container to send our Alum to you? If not, we can see about expediting glass bottles and sending prior to bid opening on 6/28?”
Response: Nalgene is acceptable.
- 1.23 Question: Please can you kindly let me know if we need to bid on the entire bid line items for potable water and wastewater treatment chemicals? Or can we bid on single line items?
Response: Bidders may bid on any line items and do not need to bid on all line items.
- 1.24 Question: As your incumbent supplier (Olin) for sodium hypochlorite do we still need to submit a sample?
Response: No
- 1.25 Question: “Who are the current suppliers and pricing for all the chemicals?”
Response: Refer to the response provided for Question 1.20.
- 1.26 Question: “In the bid pricing package for the waste water chemicals there is only one spot for cationic polymer. There are two potential polymers to be bid, Centrifuge and GBT. Please advise.”
Response: There are two polymers GBT for thickening, Centrifuge for dewatering. Please provide a price for each.

- 1.27 Question: “For the waste water chemical bid, there is a requirement for independent 3rd party certificate of analysis of the cationic and anionic polymer samples. This is an unknown test for the local labs we have spoken with. Can we for polyacrylamide only, provide the manufacturing COA only?”
- Response: Yes
- 1.28 Question: “May I get the current supplier/price for Aluminum Sulfate and Ferric Chloride, please?”
- Response: Ferric Chloride supplier is California Water Technologies. Refer to the response to Question 1.20 for pricing information.
- 1.29 Question: “Who is the incumbent of Sulfuric Acid 93%?”
- Response: Univar.
- 1.30 Question: “Who is the incumbent of Sodium Hydroxide 25%?”
- Response: JCI Jones
- 1.31 Question: “Who is the incumbent of Aluminum Sulfate 48%?”
- Response: Thatcher
- 1.32 Question: “What is the current price of Sulfuric Acid 93%?”
- Response: Refer to the response to Question 1.20 for pricing information.
- 1.33 Question: “What is the current price of Sodium Hydroxide 25%?”
- Response: Refer to the response to Question 1.20 for pricing information.
- 1.34 Question: “Is it necessary for bid consideration to send a sample for each product being bid?”
- Response: Samples are required for all chemicals being bid except Sulfuric Acid.

- 1.35 Question: “Can a supplier supply a product specification instead of a sample?”
Response: No
- 1.36 Question: “Can a supplier sign a statement attesting to the product specification?”
Response: No
- 1.37 Question: “Who is the incumbent for Aluminum Sulfate 43.65% & 10% Acidified?”
Response: Refer to the response to Question 1.20.
- 1.38 Question: “What is the current price for Aluminum Sulfate 43.65% & 10% Acidified?”
Response: Refer to the response to Question 1.20.
- 1.39 Question: “Will you post the full bid results from last year?”
Response: No

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**CITY OF CORONA
DEPARTMENT OF WATER & POWER**

June 22, 2021

SUBJECT: Notice Inviting Bids No. 21-082CA

**Addendum No. 2
Potable Water & Wastewater Treatment Chemicals**

This Addendum No. 2 to the subject Notice Inviting Bids provides answers to questions received. Please note the bid due date and time have not changed. The City anticipates issuing a third addendum to answer additional questions not included in this Addendum 2.

All provisions of this Addendum No. 2 are hereby incorporated by reference into the subject NIB. Bidders shall account for all provisions pursuant to this Addendum No. 2 in submitting their bids. Each bidder shall acknowledge receipt of this Addendum in their Bid in the spaces provided therein.

1. Questions & Answers:

1.40 Question: “As the incumbent supplier (Polydyne) of cationic polymer for water treatment, do we still need to submit a sample of this product?”

Response: No

1.41 Question: “Are PET jars with Polypropylene caps acceptable for submitting polymer samples? We transitioned from glass approximately two years ago and would have to order glass containers?”

Response: Yes, PET jars with Polypropylene caps are acceptable.

1.42 Question: “Who is the current supplier of the Liquid Aluminum Sulfate 48.5%?”

Response: Thatcher

1.43 Question: “Who is the current supplier of the 10% Acid Aluminum Sulfate?”

Response: Thatcher

- 1.44 Question: “At what price is the Liquid Aluminum Sulfate 48.5% currently being purchased at?”
- Response: \$0.13/lb
- 1.45 Question: “At what price is the 10% Acid Aluminum Sulfate currently being purchased at?”
- Response: \$0.13/lb
- 1.46 Question: “Does a bidder have to request a polymer sludge and water samples to qualify?”
- Response: Yes
- 1.47 Question: “Is the estimated volume of 15,000 gallons for Aluminum Sulfate 48.5% used year round or just in the summer months?”
- Response: Year round
- 1.48 Question: “On page 6 of 10 in Section V - Price Form, a Dose rate is requested as _____ ml/m_____. What are the units requested? If the units are milliliter per minute, what is the flow rate, since the amount of water being treated per minute would need to be known? A flow rate is also needed for determination of Dose rate for the wastewater treatment polymers as well.”
- Response: Water Reclamation and Potable Water Treatment should both read:
_____ mg/l _____.
- Water Reclamation:
Flows vary. Average centrifuge flow = 70 GPM
Average flow to GBT = 350 GPM
Primary influent flow through plant 1A = 5.5 MGD
- 1.49 Question: “Can the third party certificate of analysis be removed from the bid, as it does not change product dosage or performance?”
- Response: No

- 1.50 Question: “Can bulk delivery time be extended from 10 days to 15 days to deliver for Cationic Polymer for Potable Water Treatment?”
- Response: No
- 1.51 Question: “If a bidder is not located in the City of Corona, should we just indicate that the Local Bidder Preference Program Statement is not applicable and submit with bid or sign it in addition to indicating that it is not applicable?”
- Response: The Local Bidder Preference form is only applicable to bidders that are “local businesses” with fixed facilities with one or more employees which may include a sole proprietor, located at an address within City limits (post office box alone is insufficient); and (ii) an appropriate City business license. Only bidders that qualify for the program are required to complete and provide the Local Bidder Preference form with their bid. The “required form” status from all bidders for the Local Bidder Preference form in PlanetBids has been eliminated.
- 1.52 Question: “What is the minimum delivery quantity for hypo for any one individual ship-to site?”
- Response: Water Reclamation:
500 gallons to Water Reclamation Facility 3.
- Potable Water Treatment:
No minimum, however on multiple stop deliveries, City will keep the loads 4000-5000 gallons.
- 1.53 Question: “There is a conflict in accounting for sales tax in the bid. One section says bid pricing should “exclude sales taxes”. The pricing sheets say, “all costs including sales tax” shall be in unit pricing. Which should it be?”
- Response: Chemicals that remain in the water (sodium hypochlorite, ammonium hydroxide, corrosion inhibitor (polyphosphate) are non taxable, all the rest are taxable.
- 1.54 Question: “For the polymer products, including the cationic polymer for potable water treatment, is the manufacturer's certificate of analysis acceptable for the bid submittal in addition to accompanying

deliveries? Third party labs that do not work with polymers do not have the equipment to conduct the necessary tests.”

Response: Yes, as long as a sample is provided.

1.55 Question: “As your incumbent supplier (JCI) for Sodium Hydroxide 25%, do we still need to submit a sample?”

Response: No

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**CITY OF CORONA
DEPARTMENT OF WATER & POWER**

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June 23, 2021

SUBJECT: Notice Inviting Bids No. 21-082CA

**Addendum No. 3
Potable Water & Wastewater Treatment Chemicals**

This Addendum No. 3 to the subject Notice Inviting Bids provides answers to questions received and revised bid forms. Please note the bid due date and time have not changed.

All provisions of this Addendum No. 3 are hereby incorporated by reference into the subject NIB. Bidders shall account for all provisions pursuant to this Addendum No. 3 in submitting their bids. Each bidder shall acknowledge receipt of this Addendum in their Bid in the spaces provided therein.

1. Questions & Answers:

1.52 Question: “Annual Renewal Pricing; Annual industrial bulk chemical costs of bleach have little to do with the CPI index. The Producer Price index actually has an index WUP0 for chlorine and alkali chemicals. Would you consider using this for annual cost reviews for hypo? If not, then annual renewal options should be upon mutual agreement of both parties.”

Response: The CPI index will be utilized as the base from which negotiations will take place to determine a mutually agreed upon renewal price for option years.

1.53 Question: “Insurance; Contractor’s Pollution coverage is typically for building/construction/maintenance contractors, not chemical deliveries. Requiring contractors’ pollution coverage will add much higher costs to bid selling prices and is not necessary for this type service. Will transportation pollution liability coverage (sudden and accidental liability) covering transportation and offloading safely into customer storage tanks suffice? Will taking exception to Contractor’s Pollution coverage deem bids non-responsive?”

Response: The City is removing the Contractor’s Pollution Liability insurance requirement from the bid. The Pollution Transportation Liability insurance remains a bid requirement.

- 1.56 Question: “Would you please clarify once again the trade name for the Corrosion Scale Inhibitor and who your current supplier is? Also, can you provide product specs required? Thank you.”
- Response: Aquapure 3655 provided by Brenntag. Please refer to Exhibit “A” attached hereto for the product spec.
- 1.59 Question: “Does California Mill Assessment need to be included in the bid price?”
- Response: Bidders are to include all applicable fees and assessments in their unit cost bid price and exclude California Sales Tax.
- 1.60 Question: “Are renewals upon mutual agreement? Are there any price adjustment rules?”
- Response: The CPI index will be utilized as the base from which negotiations will take place to determine a mutually agreed upon renewal price for option years.

2. **Bid and Contract Documents:**

- 2.01 Section II. Instruction to Bidders, Subsection N.4(A) Insurance Requirements is hereby deleted in its entirety and replaced with the following:
- (A) Minimum Scope of Insurance. Coverage shall be at least as broad as the latest version of the following: (1) *General Liability*: Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001); (2) *Automobile Liability*: Insurance Services Office Business Auto Coverage form number CA 0001, code 1 (any auto), or if Contractor has no owned autos, Code 8 (hired) and 9 (non-owned); (3) *Workers’ Compensation and Employer’s Liability*: Workers’ Compensation insurance as required by the State of California and Employer’s Liability Insurance; and (4) *Transportation Pollution Liability*: Transportation Pollution Liability insurance covering materials to be transported.
- 2.02 Section II. Instructions to Bidders, Subsection N.5(C) Insurance Endorsements (Contractor’s Pollution Liability) is hereby deleted in its entirety.
- 2.03 Section IV. Bid Content & Forms, Insurance Requirements Check List is hereby deleted in its entirety and replaced with the Revised Insurance Requirements Check List form attached hereto.

- 2.04 Section V. Bid/Price Form. The Bid/Price Form is hereby deleted in its entirety and replaced with the Revised Bid/Price Form attached hereto. **Please note the City is requesting that all bidders submit their unit pricing excluding sales tax for all chemicals.**

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REVISED CITY OF CORONA
NIB NO. 21-082CA INSURANCE REQUIREMENTS CHECK LIST
(To be Completed and Submitted with Bid)

All applicable insurance requirements are identified with a ‘YES’ under the “Applicable to Vendor” column. Indicate Yes or No below if you are able to comply with the requirement.

	YES	NO	Applicable to Vendor
Can your company provide General Liability - \$2M occurrence			YES
Can your company provide Automobile Liability - bodily injury and property damage - \$2M?			YES
Can your company provide Workers Compensation and Employer's Liability - \$1M?			YES
Can your company provide Errors and Omissions (Professional) Liability Insurance - \$1M occurrence/\$2M aggregate?			Not Applicable
Can your company provide Technology Professional Errors and Omissions Liability Insurance - \$2M occurrence or \$2M aggregate?			Not Applicable
Can your company provide Builders'/All Risk for the completed value of the project naming the City as the loss payee?			Not Applicable
Can your company provide Transportation Pollution Liability with minimum limits of \$2 million/\$4 million with a primary Additional Insured endorsement?			YES
Can your company provide coverage with an insurer with a current A. M. Best's rating no less than (A-):VII and licensed as an admitted insurance carrier in California?			YES
Can your company provide coverage with an insurer with a current A. M. Best's rating no less than (A-):X and authorized to issue the required policies in California?			YES

Insurance Endorsements
General Liability

	YES	NO	Applicable to Vendor
(Occurrence form CG 0001)			YES
Will your company provide an insurance policy that states the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to liability arising out of work or operations performed by or on behalf of the Contractor, including materials, parts or equipment furnished in connection therewith?			YES
Will your company provide an insurance policy that states any person or organization whom you have agreed to include as an additional insured under a written contract? provided such contract was executed prior to the date of loss?			YES
Can your company provide Completed Operations as evidenced with the following endorsements?			YES
Endorsement form CG 20 10 11 85 OR			YES
CG 20 37 and one of the following			YES
CG 20 10			YES
CG 20 26			
CG 20 33			
CG 20 38			

Will your company provide a General Liability endorsement stating that the insurance coverage shall be primary any City insurance will be in excess of the contractors' insurance and will not be called upon to contribute Endorsement Form shall be as broad as CG 20 01 04 13?			YES
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Automobile Liability

	YES	NO	Applicable to Vendor
Does your insurance cover Owned automobiles with Form number CA 0001 code 1 (Any Auto)?			YES
If your company does not have owned automobiles, does your insurance cover No owned autos Code 8 (hired) and 9 (non-owned)?			YES

Workers' Compensation

	YES	NO	Applicable to Vendor
Will your company provide a waiver for all rights of subrogation against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work or Services performed by the Contractor?			YES
Will your company provide a Waiver of Subrogation – All Other Policies. Contractor hereby waives all rights of subrogation any insurer of Contractor's may acquire against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of any insurance policy which arise from work or Services performed by the Contractor?			YES
Will your insurance policies have a (30) days' notice of cancellation endorsement?			YES
If your firm is unable to provide a (30) day notice of cancellation will your firm sign a City provided statement that the Vendor shall notify the City within two business days any notice of cancellation?			YES
Does your insurance have any deductibles and/or self-insurance retentions?			YES

Transportation Pollution Liability

	YES	NO	Applicable to Vendor
Will you provide an Automobile Liability policy endorsement that includes Transportation Pollution Liability or separate Transportation Pollution Liability policy with an endorsement covering the material to be transported?			
Will your insurance policies have a (30) days' notice of cancellation endorsement?			YES
If your firm is unable to provide a (30) day notice of cancellation will your firm sign a City provided statement that the Vendor shall notify the City within two business days any notice of cancellation?			YES
Does your insurance have any deductibles and/or self-insurance retentions?			YES

Use the space below to explain any "NO" responses.

SECTION V.

REVISED BID / PRICE FORM

NOTICE INVITING BIDS: **NIB 21-082CA**

DESCRIPTION: **Potable Water & Wastewater Treatment Chemicals**

BIDDER'S NAME/ADDRESS: _____

NAME/TELEPHONE NO. OF
AUTHORIZED REPRESENTATIVE _____

ANNUAL PURCHASE ORDER

The initial Purchase Order Period shall be effective on or about July 1, 2021 through June 30, 2022 with four (1) one year option renewal periods on an as-needed basis with no guarantee of usage for Potable Water & Wastewater Chemicals. Bid prices shall remain effective and in force for the entire Initial Purchase Order Period. Subsequent purchase order periods, if exercised by the City, are as follows:

- Option 1, if exercised, shall be effective July 1, 2022 through June 30, 2023
- Option 2, if exercised, shall be effective July 1, 2023 through June 30, 2024
- Option 3, if exercised, shall be effective July 1, 2024 through June 30, 2025
- Option 4, if exercised, shall be effective July 1, 2025 through June 30, 2026

Option year pricing shall be negotiated by the Parties prior to commencement of each additional one-year period. Negotiated price adjustments will be made in accordance with and shall not exceed the percentage of change in the United States Bureau of Labor Statistics Consumer Price Index "All Urban Consumers for Riverside, California, Area (CPI-U), not seasonally adjusted, for the most recent twelve (12) months for which statistics are available. This method of price adjustment shall apply to each extension period exercised. Option years shall become effective only upon issuance by the City of a duly authorized Purchase Order.

Bidders may submit bids for one or more bulk chemicals, but each bulk chemical must be bid individually and submitted in accordance with the Submission of Bids subsection in the Instructions to Bidders, Section II.E.

No person, organization, or corporation is allowed to make, submit, or be interested in more than one Bid unless in a sub-contractual relationship with respect to the Bids. **A person, organization or corporation submitting sub-proposals or quoting prices on materials to Bidders is prevented from submitting a Bid to the City as a primary bidder.**

Provide Firm Fixed Price cost information in the spaces provided below for each chemical bid, and any other incidental or additional costs required to complete the specifications pursuant to Section III herein. In the event that bidder intends to bid zero dollar value for any item shown in the Bid/Price Form, bidder shall enter “zero” or “0” in the space provided for price or cost.

Unit prices shall include all costs, **except California State sales tax**, including but not limited to materials, supplies, labor, equipment, certification fees, delivery, transportation, mill assessments where applicable, and ancillary costs for performing under the scope and specifications of this NIB.

1. SODIUM HYPOCHLORITE (NaOCl) 12.5%

Estimated Annual Quantity 1,000,000 Gallons

Quantity	Delivered Price – Per Gallon
2,000 – 4,999 gallon delivery	\$ _____
5,000 gallon delivery	\$ _____

Manufacturer’s Name: _____

Brand Name: _____

Manufacturer’s Address: _____

Optional Carrier Stop Charge for Split Delivery Points

Charge for multiple delivery points combined in a single order to attain minimum 5,000 gallon delivered price. Carrier Stop Charge would apply only when deliveries are split and only to the individual delivery point location(s) not meeting the minimum 5,000 gallon order quantity.

\$ _____ per site not meeting minimum 2,000 gallon quantity

2. **ALUMINUM SULFATE [Al₂(SO₄)₃] 43.65% & 10% Acidified**

Estimated Annual Quantity 40,000 Gallons

Quantity	Delivered Price – Per Gallon
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4,000 gallon delivery	\$ _____
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Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

3. **ALUMINUM SULFATE [Al₂(SO₄)₃] 48.5%**

Estimated Annual Quantity 15,000 Gallons

Quantity	Delivered Price – Per Gallon
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4,000 gallon delivery	\$ _____
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Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

4. AMMONIUM HYDROXIDE (NH₄OH) 19%

Estimated Annual Quantity 40,000 Gallons

Quantity	Delivered Price – Per Gallon
250 – 1,999 gallon delivery	\$ _____
2,000 – 5,000 gallon delivery	\$ _____

Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

Charge for multiple delivery points combined in a single order to attain minimum 2,000 gallon delivered price. Carrier Stop Charge would apply only when deliveries are split and only to the individual delivery point location(s) not meeting the minimum 2,000 gallon order quantity.

\$ _____ per site not meeting minimum 2,000 gallon quantity

5. CORROSION AND SCALE INHIBITOR

Estimated Annual Quantity 18,000 Gallons

Quantity	Delivered Price – Per Gallon
275 gallon tote delivery	\$ _____

Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

6. CATIONIC POLYMER FOR WASTEWATER TREATMENT

Estimated Annual Quantity 40,000 Gallons

Dose rate = _____ gph _____

Pounds per day required for 24 hour operation= _____

Cost per pound \$ _____/lb

Bidders shall enter their formula below for use by City in determining contract value:

7. ANIONIC POLYMER FOR WASTEWATER TREATMENT

Estimated Annual Quantity 15,000 Gallons

Dose rate = _____ gph _____

Pounds per day required for 24 hour operation= _____

Cost per pound \$ _____/lb

Bidders shall enter their formula below for use by City in determining contract value:

8. CATIONIC POLYMER FOR WATER TREATMENT

Estimated Annual Quantity 14,500 Gallons

Dose rate = _____ ml/m _____ 500 – 1,999 gal 2000 - 5000 gal
Pounds per day required for 24 hour operation= _____
Cost per pound \$ _____ /lb \$ _____ /lb

Bidders shall enter their formula below for use by City in determining contract value:

9. ANIONIC POLYMER FOR WATER TREATMENT

Estimated Annual Quantity 12,500 Gallons

Dose rate = _____ ml/m _____ 500 – 1,999 gal 2000 - 5000 gal
Pounds per day required for 24 hour operation= _____
Cost per pound \$ _____ /lb \$ _____ /lb

Bidders shall enter their formula below for use by City in determining contract value:

10. SODIUM HYDROXIDE (NaOH) 25%

Estimated Quantity 30,000 Gallons

Quantity Delivered Price – Per Gallon

2,000 gallon delivery \$ _____

Manufacturer’s Name: _____

Brand Name: _____

Manufacturer’s Address: _____

11. SULFURIC ACID (H₂SO₄) 93%

Estimated Quantity 90,000 Gallons

Quantity Delivered Price – Per Gallon

3,000 gallon delivery \$ _____

Manufacturer’s Name: _____

Brand Name: _____

Manufacturer’s Address: _____

12. FERRIC CHLORIDE (FeCl₃) 15%-40%

Estimated Quantity 55,000 Gallons

Quantity	Delivered Price
4,000 gallon delivery	\$ _____ Per Gallon
5,000 gallon delivery	\$ _____ Per Gallon

Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

13. SODIUM BISULFITE (NaHSO₃)25%

Estimated Quantity 40,000 Gallons

Quantity	Delivered Price – Per Gallon
4,000-5,000 gallon delivery	\$ _____

Manufacturer's Name: _____

Brand Name: _____

Manufacturer's Address: _____

Please check your calculations before submitting your bid; the City will not be responsible for Bidder miscalculations.

With the exception of "Reason(s) for No Bid", all spaces in the Bid/Price Form shall be filled in by bidders. City reserves the right to reject as non-responsive any or all bids containing blank spaces.

Bidder's Acknowledgement of his Understanding of the Terms and Conditions. Signature below verifies that Bidder has read, understands, and agrees to the conditions contained herein and on all of the attachments and addenda.

Are there any other additional or incidental costs which will be required by your firm in order to meet the requirements of the Technical Specifications? Yes / No. (circle one). If you answered "Yes", please provide detail of said additional costs:

Please indicate any exceptions to or deviations from the NIB Requirements here.

Have you included in your bid all informational items and forms as requested? Yes / No. (circle one). If you answered "No", please explain:

This offer shall remain firm for 90 days from NIB close date.

Terms and conditions as set forth in this NIB apply to this bid.

Cash discount allowable _____% days; unless otherwise stated, payment terms are: Net 30 days.

In signing this bid, Bidder warrants that all certifications and documents requested herein are attached and properly completed and signed.

From time to time, the City may issue one or more addenda to this NIB. Below, please indicate all Addenda to this NIB received by your firm, and the date said Addenda was/were received. It is the Bidder's responsibility to ensure that all addendums are received. Failure to acknowledge receipt of addenda may cause the City to reject the bid as non-responsive.

Verification of Addenda Received

Addenda No: _____ Received on: _____
Addenda No: _____ Received on: _____
Addenda No: _____ Received on: _____

AUTHORIZED SIGNATURE: _____

PRINT SIGNER'S NAME AND TITLE: _____

DATE SIGNED: _____

COMPANY NAME & ADDRESS: _____

PHONE: _____

EMAIL: _____

AQUAPURE 3655 NSF

PRODUCT DISTRIBUTED BY / PRODUIT DISTRIBUÉ PAR

Brenntag Canada Inc.
43 Jutland Road.
Toronto, Ontario
M8Z 2G6
(416) 259-8231

WHMIS Number: 00072211
Index: BCI1352/15D
Effective Date: 2015 December 14
Date of Revision: 2015 December 14
Website: <http://www.brenntag.ca>

EMERGENCY TELEPHONE NUMBER (For Emergencies Involving Chemical Spills or Releases)

1 855 273 6824

NUMÉRO DE TÉLÉPHONE D'URGENCE (pour les urgences impliquant des rejets ou des déversements chimiques)

This document consists of an MSDS in English.

Le présent document comprend une fiche signalétique en anglais.

WHMIS Classification / Symbol: Not regulated



Classification / symbole SIMDUT: Non réglementé

READ THE ENTIRE MSDS FOR THE COMPLETE HAZARD EVALUATION OF THIS PRODUCT.

**LIRE LA FICHE SIGNALÉTIQUE EN ENTIER POUR UNE ÉVALUATION COMPLÈTE DES DANGERS QUE
REPRÉSENTE CE PRODUIT**

1. Identification

Product identifier **AQUAPURE 3655 NSF**
Other means of identification None.
Recommended use ALL PROPER AND LEGAL PURPOSES
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Brenntag Mid-South, Inc.
Address 1405 Highway 136, West
 Henderson, KY 42420
Telephone 270-830-1222
E-mail Not available.
Emergency phone number 800-424-9300 CHEMTREC

2. Hazard(s) identification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.
Hazard statement The mixture does not meet the criteria for classification.
Precautionary statement

- Prevention** Observe good industrial hygiene practices.
- Response** Wash hands after handling.
- Storage** Store away from incompatible materials.
- Disposal** Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Ingestion Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color	CLEAR COLORLESS TO PALE STRAW
Odor	NONE
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	32 °F (0 °C)
Initial boiling point and boiling range	212 °F (100 °C) estimated
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	11.40 lbs/gal
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Percent volatile	61.8 % estimated
Specific gravity	1.37

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
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Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Not available.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
US. National Toxicology Program (NTP) Report on Carcinogens	
Not available.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.
DOT information on packaging may be different from that listed.

15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	
Not regulated.	

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No
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SARA 313 (TRI reporting)

Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.
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US state regulations**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	04-14-2015
Revision date	12-14-2015
Version #	05
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 0 Instability: 0
Disclaimer	While Brenntag believes the information contained herein to be accurate, Brenntag makes no representation or warranty, express or implied, regarding, and assumes no liability for, the accuracy or completeness of the information. The Buyer assumes all responsibility for handling, using and/or reselling the Product in accordance with applicable federal, state, and local law. This SDS shall not in any way limit or preclude the operation and effect of any of the provisions of Brenntag's terms and conditions of sale.