

**SPECIFICATIONS  
FOR  
FURNISHING AND DELIVERY OF  
CHEMICALS  
2024-2026**

**EAST WINDSOR MUNICIPAL UTILITIES  
AUTHORITY  
MERCER COUNTY  
NEW JERSEY**

**7 WILTSHIRE DRIVE  
EAST WINDSOR, NJ 08520**

**East Windsor MUA  
NOTICE TO BIDDERS**

## NOTICE TO BIDDERS

**EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY  
7 WILTSHIRE DRIVE, EAST WINDSOR, NJ 08520  
609-443-6000**

### **WILL ACCEPT BIDS FOR CHEMICALS FOR WATER AND WASTEWATER TREATMENT December 2024 – November 2026**

Notice is hereby given that sealed bids will be received by the East Windsor Municipal Utilities Authority, at the Authority Administration Building, 7 Wiltshire Drive, East Windsor, New Jersey 08520, Attention of: Richard Brand, Executive Director, **until 11:00 a.m. Prevailing time, on October 23, 2024.**

Bids may be submitted in person or by mail. The Authority assumes no responsibility for the loss or non-delivery of any bid sent to it prior to the bid opening.

At the above time and place, all bids will be publicly opened and read aloud. No bids will be accepted after the date and time designated to receive bids. A bid may be withdrawn prior to the time from opening of bids or authorized postponement thereof. No bid may be withdrawn for a period of sixty (60) days.

The Authority reserves the right to reject any or all bids, to waive any informalities deviations, or omissions in any or all bids, and to accept a bid which, in its judgment, best serves the interest of the Authority.

Specifications and bid forms may be examined and printed from our website EWMUA.

All bids must conform to the models and directions contained in the Specifications and must be submitted in a complete contract packet. Each bid must be accompanied by a Guarantee in an amount the lesser of ten percent (10%) of the total bid price or twenty thousand dollars (\$20,000), in the form of a certified check or cashier's check payable to the Authority or a Bid Bond issued by a Surety authorized to transact business in New Jersey and found acceptable by the authority. Each proposal must also be accompanied by the consent of a similarly acceptable Surety, guaranteeing that a one hundred per cent (100%) Performance Bond will be furnished upon the award of the Contract.

Bidders are required to comply with the requirements of P.L. 1975, c.127 and N.J.A.C. 17:27-5.2 et seq., Affirmative Action, and P.L. 1977, c33, Stockholder or Partnership Disclosure Statement, Business Registration Act N.J.S.A 52:32-44 P.L. 2004, c57 and all other requirements as set forth in the Instructions to Bidders.

By: Richard Brand, Executive Director

Date: 9/23/2024

## EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY

### II. Bid Proposal Forms

The Following checklist is provided as assistance to the development of the Bid Response. It in no way supersedes or replaces the requirements of the bid. Please initial on the lines below for each document/section attesting to the fact that you have read and included the documents with your bid. Each Bid submitted must contain the following forms, documents and items as required or the bid will be rejected:

1. \_\_\_\_\_ Stockholder/Ownership Disclosure Certification
2. \_\_\_\_\_ Non-Collusion Affidavit
3. \_\_\_\_\_ Bid Proposal
4. \_\_\_\_\_ Bid Guarantee (with Power of Attorney for full amount of bid)
5. \_\_\_\_\_ Consent of Surety (with Power of Attorney for full amount of bid)
6. \_\_\_\_\_ Mandatory affirmative Action Language
7. \_\_\_\_\_ Americans with Disabilities Act of 1990 Language
8. \_\_\_\_\_ Business Registration Certificate-Prior to Contract Award
9. \_\_\_\_\_ Affidavit of Compliance-Township of East Windsor
10. \_\_\_\_\_ Disclosure of Investment Activities in Iran
11. \_\_\_\_\_ Acknowledgement of Addenda
12. \_\_\_\_\_ Certified Power of Attorney
14. \_\_\_\_\_ Appropriate Acknowledgment
15. \_\_\_\_\_ Bidder Questionnaire
16. \_\_\_\_\_ Bidder's Affidavit

If any of these forms is missing from the Bid proposal package at opening, the Bid will be rejected. As between two Bidders whose Bid proposals are otherwise equal, a Bidder who has completed and included all forms correctly will be awarded the contract.

All Bid packages accepted at the time fixed for opening are accepted conditionally pending a full review by the Authority solicitor as to proper form of all documents submitted.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Phone no. \_\_\_\_\_

Fax: \_\_\_\_\_

**OWNERSHIP DISCLOSURE STATEMENT**

Chapter 33 of the Public Laws of 1977 provides that no corporation or partnership shall be awarded any State, county, municipal or school district contract for the performance of any work or the furnishing of any materials or supplies, unless prior to the receipt of the bid or accompanying the bid of said corporation or partnership there is submitted a statement. The statement shall set forth the names and addresses of all stockholders in the corporation or partnership who own ten percent (10%) or more of its stock of any class, or of all individual partners in the partnership who own a ten percent (10%) or greater interest therein.

Attach additional sheets if necessary.

1. Name \_\_\_\_\_

Address \_\_\_\_\_

2. Name \_\_\_\_\_

Address \_\_\_\_\_

3. Name \_\_\_\_\_

Address \_\_\_\_\_

4. Name \_\_\_\_\_

Address \_\_\_\_\_

5. Name \_\_\_\_\_

Address \_\_\_\_\_

STATEMENT OF OWNERSHIP  
(OWNERSHIP DISCLOSURE CERTIFICATION)  
N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This Statement Shall Be Included with All  
Bid and Proposal Submissions

Name of Business: \_\_\_\_\_

Address of Business: \_\_\_\_\_

Name of person completing this form: \_\_\_\_\_

N.J.S.A. 52:25-24.2:

"No corporation, partnership, or limited liability company shall be awarded any contract nor shall any agreement be entered into for the performance of any work or the furnishing of any materials or supplies, unless prior to the receipt of the bid or proposal, or accompanying the bid or proposal of said corporation, said partnership, or said limited liability company there is submitted a statement setting forth the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be.

If one or more such stockholder or partner or member is itself a corporation or partnership or limited liability company, the stockholders holding 10 percent or more of that corporation's stock, or the individual partners owning 10 percent or greater interest in that partnership, or the members owning 10 percent or greater interest in that limited liability company, as the case may be, shall also be listed. The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member, exceeding the 10 percent ownership criteria established in this act, has been listed.

To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10 percent or greater beneficial interest in the publicly traded entity as of the last annual filing with the Federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10 percent or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the Federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest.

The Attorney General has advised that the provisions of N.J.S.A. 52:25-24.2, which refer to corporations and partnerships apply to limited partnerships, limited liability partnerships, and Subchapter S corporations.

This Ownership Disclosure Certification form shall be completed, signed and notarized.

**Failure of the bidder/proposer to submit the required information is cause for  
automatic rejection of the bid or proposal**

## **Part I**

**Check the box that represents the type of business organization:**

- Sole Proprietorship (skip Parts II and III, sign and notarize at the end)
- Non-Profit Corporation (skip Parts II and III, sign and notarize at the end)
- Partnership       Limited Partnership       Limited Liability Partnership
- Limited Liability Company
- For-profit Corporation (including Subchapters C and S or Professional Corporation)
- Other (be specific): \_\_\_\_\_

## **Part II**

- I certify that the list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be.

**OR**

- I certify that no one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or that no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be.

**Sign and notarize the form below, and, if necessary, complete the list below.**  
(Please attach additional sheets if more space is needed).

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_



**Part III - Any Direct or Indirect Parent Entity Which is Publicly Traded:**

"To comply with this section, a bidder with any direct or indirect parent entity which is publicly traded may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10 percent or greater beneficial interest in the publicly traded entity as of the last annual filing with the Federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10 percent or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the Federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10 percent or greater beneficial interest."

- Pages attached with name and address of each publicly traded entity as well as the name and address of each person that holds a 10 percent or greater beneficial interest.

**OR**

- Submit here the links to the Websites (URLs) containing the last annual filings with the Federal Securities and Exchange Commission or the foreign equivalent.

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**AND**

Submit here the relevant page numbers of the filings containing the information on each person holding a 10 percent or greater beneficial interest.

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Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

*(Notary Public)*

My Commission expires:

\_\_\_\_\_  
*(Affiant)*

\_\_\_\_\_  
*(Print name of affiant and title if applicable)*

*(Corporate Seal if a Corporation)*

**EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY**  
**NON-COLLUSION AFFIDAVIT**

**Date** \_\_\_\_\_

Identification of Bid Item or Service: \_\_\_\_\_

To the East Windsor Municipal Utilities Authority:

This is to certify that the undersigned bidder \_\_\_\_\_  
has not either directly or indirectly entered into any agreement, participated in any collusion, or  
otherwise taken any action in restraint of free competitive bidding in connection with the  
proposal

submitted to the East Windsor Municipal Utilities Authority on the \_\_\_\_\_ day of  
\_\_\_\_\_.

Signature of Bidder: \_\_\_\_\_

Print name & title \_\_\_\_\_

Corporate Seal:

Attest: \_\_\_\_\_

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_

2021. My commission expires \_\_\_\_\_.

Notary Public: \_\_\_\_\_

This statement must be completed and signed in order for the bid to be considered.

**BID PROPOSAL**

CONTRACT IDENTIFICATION: (Name specific Chemical)

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THIS BID IS SUBMITTED TO:

East Windsor Municipal Utilities Authority  
7 Wiltshire Drive  
East Windsor, New Jersey, 08520

The undersigned \_\_\_\_\_, a/an (individual,  
firm, partnership, or corporation), pursuant to the laws of the State of \_\_\_\_\_  
and maintaining a main office at \_\_\_\_\_  
propose and agree if this Bid is accepted, to enter into an Agreement to furnish the Authority  
with \_\_\_\_\_ in strict accordance with the terms and conditions of these  
contracts, documents and specifications.

The person signing declares that the complete Contract Documents have been received  
and carefully examined and furthermore that the following addenda have been received and  
examined:

DATE	NUMBER
_____	_____
_____	_____
_____	_____

**BID PROPOSAL**

**NOTE ANY EXCEPTIONS TO SPECIFICATIONS:**

Date: \_\_\_\_\_

Name of Bidding Firm: \_\_\_\_\_

Address of Firm: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

\_\_\_\_\_  
Signature and Position

(If Corporation Place  
Seal Here)

## **Bid Proposal**

### **EAST WINDSOR MUNICIPAL UTILITIES AUTHORITY CHEMICALS FOR WATER & WASTEWATER TREATMENT**

The Proposal of the undersigned is as follows: Bidder will supply to the Authority Chemicals in accordance with the Specifications and Conditions for the following prices: The undersigned hereby agrees to furnish chemicals in accordance with the specifications and conditions for the unit costs listed below. All unit costs shall include any and all pertinent charges including deliveries. Chemicals shall be delivered within the response time identified in the technical specifications. Bidders shall provide a unit price for the Chemical(s) bid. The East Windsor MUA will evaluate the bids based on Year one (1) and Year two (2) unit price bids for the Chemical. The East Windsor MUA will award the Chemical contracts on the basis of the lowest unit price for each Chemical for Year one (1) only or combination of Year one (1) and Year two (2). If a two (2) year contract is awarded and the contract is satisfactorily completed, the East Windsor MUA reserves the right to extend the contract in accordance with N.J.S.A. 40:11-15 for an additional year at the unit price(s) bid for Optional Year three (3). Award of contract will be made to the lowest responsive, responsible bidder based upon the lowest unit price per chemical line item (3 awards).

**CHEMICAL DELIVERIES MUST ADHERE TO ALL HAZARDOUS TRANSPORTATION STATE AND FEDERAL LAWS, SUCH AS OCCUPATIONAL HEALTH AND SAFETY 29CFR1910.1200 AND DOT 49CFR PARTS 171 TO 180. ANY MISLABELING OF CHEMICAL CONTAINERS OR SHIPPING LABELS WILL NOT BE TOLERATED AND WILL BE CAUSE FOR IMMEDIATE CANCELLATION OF CONTRACT. ALL CHEMICAL SUPPLIERS MUST SUPPLY THE EWMUA WITH APPROPRIATE MSDS INFORMATION.**

**All chemical deliveries MUST be made to the EWMUA within 72 hours of order placement. Any deliveries requiring a longer duration MUST be approved by EWMUA personnel, must not exceed 5 business days. Failure to meet these terms will result in the EWMUA contacting the next lowest bidder and the difference of product price including all shipping costs **WILL** be the responsibility of the current contract holder.**

**\*\*NOTE\*\*** Because of **MUST** return policy on pallets and carboys, no deposit will be paid on said items.

1. 8,000 lbs. annually of Chlorine, in 150 lb. cylinders, to be delivered on call on scheduled dates, between 8:00 a.m. and 2:00 p.m. Each order will have instructions on delivery quantities (3 cylinder Minimum) and delivery sites. Valves to be clean and in good operating condition. Additional lead gaskets will be supplied if requested. Price to include product and training if required as per specification.

Year 1 - December 1, 2024 - November 30, 2025 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 - December 1, 2025 – November 30, 2026 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 - December 1, 2026 – November 30, 2027 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

2. 15,000 gallons annually of 15% sodium hypochlorite solution, on average, to be delivered in quantities of 500 gallons, to Well # 8 Water Treatment Plant on Conover Road and Well #7 on Old Cranbury Road when requested on scheduled dates, between 8:00 am and 2:00 p.m. As per specification. Materials shall be in accordance with AWWA Specification B300-87 and contain a minimum of 12.4 percent available chlorine by weight.

Year 1 December 1, 2024 – November 30, 2025 per gal \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 December 1, 2025– November 30, 2026 per gal \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 December 1, 2026 – November 30, 2027 per gal \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

3. 250,000 lbs. annually of Lime (hydrated) in 50 lb. Bags, delivered on returnable pallets, truck loads of 10,000 to 40,500 lbs. each, 50 bags per pallet as follows (5 bags row / 10 rows high) on pallets sized as follows (44" L X 48" W X 3 3/4" H), delivered to various East Windsor Water Treatment Plants as required on scheduled dates, between 8:00am and 2:00 p.m. On smaller delivers the delivery truck must have lift gate capabilities. **Pallets from previous shipment must be accepted by driver for return.** Chemical and Physical analysis of lime must meet or exceed the requirements stated in the specification.

Year 1 December 1, 2024 – November 30, 2025 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 December 1, 2025 – November 30, 2026 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 December 1, 2026 – November 30, 2027 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

4. 22,000 lbs. annually of Hydro Fluosilicic Acid, liquid, 25%, in 125 lb. returnable carboys, in quantities as requested by Plant Operators, delivered to various Water Treatment Plants on scheduled dates, between 8:00 am and 2:00 p.m. **The delivery truck must have power lift gate. Empty carboys from previous shipment must be accepted by driver for return.**

Year 1 December 1, 2024 – November 30, 2025 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 December 1, 2025 – November 30, 2026 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 December 1, 2026 – November 30, 2027 per cwt \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

5. 35,000 gals of Polyaluminum Chloride in bulk, to be delivered in quantities of 4200-4700 gal/per load on scheduled dates, between 8:00 am and 2:00 p.m. The delivery truck must have the ability to pump liquid alum through a 20-foot flexible hose attached to a three-inch male quick connect mounted on the Wastewater Treatment Plant Process Control building exterior front wall. Unit price must include delivery.

Year 1 December 1, 2024 – November 30, 2025 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 December 1, 2025– November 30, 2026 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 December 1, 2026 – November 30, 2027 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

6. 400 tons annually of synthetic liquid Magnesium Hydroxide having an average bulk density of 91.3 to 95 pounds per cubic foot, to be delivered in bulk quantities of 21-24 tons per truck to be delivered on scheduled dates, between 8:00 a.m. and 2:00 p.m. The delivery truck must have the ability to pump liquid Magnesium Hydroxide through a 10-foot flexible hose attached to a 2-inch male quick connect, at the Chemical Fill Station, mounted on the wastewater treatment plant process control building exterior front wall.

Year 1 December 1, 2024 – November 30, 2025 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Year 2 December 1, 2025 – November 30, 2026 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_

Optional Year 3 December 1, 2026 – November 30, 2027 dry ton \$ \_\_\_\_\_

(Dollars in words) \_\_\_\_\_



**BID PROPOSAL**

**NOTE ANY EXCEPTIONS TO SPECIFICATIONS:**

Date: \_\_\_\_\_

Name of Bidding Firm: \_\_\_\_\_

Address of Firm: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

\_\_\_\_\_  
Signature and Position

(If Corporation Place  
Seal Here)

BOND NO. \_\_\_\_\_

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned,

\_\_\_\_\_ ,

as Principal, and \_\_\_\_\_ ,

as Surety, are hereby held and firmly bound onto the East Windsor Municipal Utilities Authority,

as Obligee, in the penal sum of \_\_\_\_\_ ,

Dollars (\$ \_\_\_\_\_ ), for the payment of which sum, will and truly to be made, the Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a Bid Dated

\_\_\_\_\_, 20\_\_ for \_\_\_\_\_ ,

NOW, THEREFORE, if the Principal shall not withdraw said Bid within sixty (60) days after the date of the opening of same, and if the Obligee shall accept the Bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such Bid, and give such Bond or Bonds as may be specified in the Contract Documents with good and sufficient Surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such Bond or Bonds within the time specified, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said Bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said Bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year set forth herein below.

Signed, Sealed and Dated \_\_\_\_\_

WITNESS: \_\_\_\_\_  
(Principal)

By: \_\_\_\_\_

Title: \_\_\_\_\_  
(Print or Type Name and Title)

(CORPORATE SEAL)

WITNESS: \_\_\_\_\_  
(Surety)

By: \_\_\_\_\_  
(Attorney-in-fact)

(CORPORATE SEAL)

Name of Surety \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS: That we, the undersigned, the

\_\_\_\_\_

\_\_\_\_\_

a corporation organized and existing under the laws of the State of \_\_\_\_\_

and authorized to do business in the State of New Jersey do hereby consent and agree with the East Windsor Municipal Utilities Authority that if the foregoing proposal of \_\_\_\_\_

hereinafter called the Bidder, for \_\_\_\_\_

be accepted, and a Contract for said work be awarded to the said Bidder, we will, upon its being so awarded, become Surety for the said Bidder and agree to be bound with said Bidder upon the terms and conditions set forth in the Proposal and Specifications in a sum not to exceed on hundred percent (100%), of the amount of the Contract for the faithful performance of all obligations and requirements of said Contract.

IN WITNESS WHEREOF, the undersigned corporation has caused this Agreement to be signed by its duly authorized representative and its corporate seal to be affixed hereto

Signed, Sealed, and Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

By: \_\_\_\_\_  
(Attorney-in-fact)

NOTE: Consent of Surety must be signed by an authorized agent or representative of the Surety Company.

Name of Surety \_\_\_\_\_

Address \_\_\_\_\_

Phone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

**REQUIRED EVIDENCE  
AFFIRMATIVE ACTION REGULATIONS  
N.J.S.A. 10:5-31et seq., N.J.A.C. 17:27**

If awarded a contract, all procurement and service contractors will be required to comply with the requirements of P.L.1975, C.127, (N.J.A.C. 17:27). Within seven (7) days after receipt of the notification of intent to award the contract or receipt of the contract, whichever is sooner, the contractor should present one of the following to the Purchasing Agent:

1. A photocopy of a valid letter from the U.S. Department of Labor that the contractor has an existing federally-approved or sanctioned Affirmative Action Plan (good for one year from the date of the letter).

OR

2. A photocopy of approved Certificate of Employee Information Report.

OR

3. An Affirmative Action Employee Information Report (Form AA302)

OR

4. All successful construction contractors must submit within three days of the signing of the contract an Initial Project Manning Report (AA201) for any contract award that meets or exceeds the Public Agency proposal threshold (available upon request).

NO FIRM MAY BE ISSUED A CONTRACT UNLESS IT COMPLIES WITH THE  
AFFIRMATIVE ACTION REGULATIONS OF P.L. 1975, c. 127 (N.J.A.C. 17:27)

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The following questions must be answered by all Respondents:

1. Do you have a federally-approved or sanctioned Affirmative Action Program?

YES \_\_\_\_\_ NO \_\_\_\_\_

If yes, please submit a copy of such approval.

2. Do you have a Certificate of Employee Information Report Approval?

YES \_\_\_\_\_ NO \_\_\_\_\_

If yes, please submit a copy of such certificate.

**The undersigned contractor certifies that he is aware of the commitment to comply with the requirements of P.L.1975, c.127 and agrees to furnish the required documentation pursuant to the law.**

Company: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Note: A contractor's proposal **must** be rejected as non-responsive if a contractor fails to comply with requirements of P.L. 1975, c.127, within the time frame.

**AMERICANS WITH DISABILITIES ACT OF 1990**  
**Equal Opportunity for Individuals with Disability**

The CONTRACTOR and the OWNER do hereby agree that the provisions of Title II of the Americans with Disabilities Act of 1990 (the "ACT") (42 U.S.C. S12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the OWNER pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the Contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the OWNER in any action or administrative proceeding commenced pursuant to this Act. The Contractor shall indemnify, protect, and save harmless the OWNER, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the OWNER grievance procedure, the CONTRACTOR agrees to abide by any decision of the OWNER which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the OWNER or if the OWNER incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The OWNER shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the OWNER or any of its agents, servants, and employees, the OWNER shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the OWNER or its representatives.

It is expressly agreed and understood that any approval by the OWNER of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the OWNER pursuant to this paragraph.

It is further agreed and understood that the OWNER assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the OWNER from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

DATE: \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TOWNSHIP OF EAST WINDSOR  
AFFIDAVIT OF COMPLIANCE WITH  
SECTION 2.36 OF THE REVISED GENERAL ORDINANCES OF  
EAST WINDSOR TOWNSHIP

State \_\_\_\_\_:

: ss

of \_\_\_\_\_:

County of \_\_\_\_\_

I, \_\_\_\_\_

(Name of Professional Business Entity(s); if a corporation, name of officer making affidavit)

being duly sworn, affirm that I am aware of the provisions of Section 2.36 of the Revised General Ordinances of East Windsor Township, which was enacted by Ordinance No. 2004-21 adopted by the East Windsor Township Council on January 1, 2005 and made effective as of April 1, 2005. In accordance with that Ordinance, I further declare that neither the professional business entity with which I am associated, nor I, have made any contributions in excess of the limits permitted under Section I, subparagraph (d) of the said Ordinance within the past calendar year, to any East Windsor Township Council candidate or office holder, or to any municipal or county party committee or to any political action committee that is organized for the purpose of promoting or supporting East Windsor Township candidates or office holders. I further declare that I am aware that if it is determined that such contributions have been made, that it will be deemed as a material breach of any professional services agreement that have entered into with the Township of East Windsor and that may be subject to penalties as may be provided by law, including those set forth in Section 2.36 of the Revised General Ordinances of East Windsor Township.

\_\_\_\_\_  
Signature of Person Making Affidavit

Sworn and subscribed to before me this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

My Commission expires \_\_\_\_\_

**State of New Jersey**  
**Division of Purchase and Property**  
**DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN**

**Solicitation Number:** \_\_\_\_\_

**Bidder/Offeror:** \_\_\_\_\_

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that the person or entity, or one of the person or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the Department of the Treasury as a person or entity engaging in investment activities in Iran. If the Director finds a person or entity to be in violation of the principles which are the subject of this law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the person or entity.

**I certify, pursuant to Public Law 2012, c. 25, that the person or entity listed above for which I am authorized to bid/renew:**

is not providing goods or services of \$20,000,000 or more in the energy sector of Iran, including a person or entity that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran, **AND**

is not a financial institution that extends \$20,000,000 or more in credit to another person or entity, for 45 days or more, if that person or entity will use the credit to provide goods or services in the energy sector in Iran.

**In the event that a person or entity is unable to make the above certification because it or one of its parents, subsidiaries, or affiliates has engaged in the above-referenced activities, a detailed, accurate and precise description of the activities must be provided in part 2 below to the Division of Purchase and Property under penalty of perjury. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.**

**PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN**

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

**EACH BOX WILL PROMPT YOU TO PROVIDE INFORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, CLICK THE "ADD AN ADDITIONAL ACTIVITIES ENTRY" BUTTON.**

Name \_\_\_\_\_ Relationship to Bidder/Offeror \_\_\_\_\_

Description of Activities \_\_\_\_\_

Duration of Engagement \_\_\_\_\_ Anticipated Cessation Date \_\_\_\_\_

Bidder/Offeror Contact Name \_\_\_\_\_ Contact Phone Number \_\_\_\_\_

ADD AN ADDITIONAL ACTIVITIES ENTRY

**Certification:** I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that the State of New Jersey is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State to notify the State in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with the State of New Jersey and that the State at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): \_\_\_\_\_ Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_



**East Windsor Municipal Utilities Authority**

**ACKNOWLEDGMENT OF RECEIPT OF ADDENDA**

The undersigned proponent hereby acknowledges receipt of the following Addenda:

**Addendum Number**

**Dated**

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Acknowledged for: \_\_\_\_\_  
(Name of Proponent)

By: \_\_\_\_\_  
(Signature of Authorized Representative)

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**ACKNOWLEDGMENT FOR INDIVIDUAL**

STATE OF NEW JERSEY, COUNTY OF \_\_\_\_\_

SS.:

I CERTIFY that on \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_ Personally, came before me and acknowledged under oath, to my satisfaction, that this person (or if more than one, each person):

- (a) is named in and personally signed the attached document; and
- (b) signed, sealed and delivered this document as his/her act and deed.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print name and title

Signed and sworn to before me on \_\_\_\_\_, 20\_\_\_\_.

**ACKNOWLEDGMENT FOR PARTNERSHIP**

STATE OF \_\_\_\_\_ :

SS:

COUNTY OF \_\_\_\_\_ :

BE IT REMEMBERED, that on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the subscriber, a \_\_\_\_\_ of the State of \_\_\_\_\_, personally appeared before me and acknowledged under oath to my satisfaction, that this person, is one of the members of the firm of the partnership named therein and he thereupon acknowledged that the said instrument made by the partnership and signed by him, was signed, sealed and delivered by him as such partner and is the voluntary act and deed of the partnership.

\_\_\_\_\_  
Signature and title

\_\_\_\_\_  
Print name and title

Signed and sworn to before me on \_\_\_\_\_, 20\_\_\_\_.

**CORPORATE ACKNOWLEDGMENT FORMS**

**STATE OF NEW JERSEY, COUNTY OF**

**SS:**

I certify that on \_\_\_\_\_, 20\_\_\_\_, personally came before me and this person acknowledged under oath, to my satisfaction, that:

(a) this person is the \_\_\_\_\_ secretary of the corporation named in the attached document;

(b) this person is the attesting witness to the signing of this document by the proper corporate officer who is (Name and Title) \_\_\_\_\_ of the corporation;

(c) this document was signed and delivered by the corporation as its voluntary act duly authorized by a proper resolution of its Board of Directors:

(d) this person knows the proper seal of the corporation which was affixed to this document; and

(e) this person signed this proof to attest to the truth of these facts.

Signed and sworn to before me on \_\_\_\_\_, 20\_\_\_\_\_.

Signature: \_\_\_\_\_

Print name of attesting witness: \_\_\_\_\_

**STATE OF NEW JERSEY, COUNTY OF MERCER**

**SS:**

I certify that on \_\_\_\_\_, 20\_\_\_\_, personally came before me and this person acknowledged under oath, to my satisfaction, that:

(a) this person signed, sealed and delivered the attached document as of the corporation named in this document.

(b) the proper corporate seal was affixed; and

(c) this document was signed and made by the corporation as its voluntary act and deed by virtue of authority from its Board of Directors.

Signature: \_\_\_\_\_

Print name and title: \_\_\_\_\_

Signed and sworn to before me on \_\_\_\_\_, 20\_\_\_\_\_.

BIDDER QUESTIONNAIRE

This Questionnaire must be completed and submitted with each bid proposal. The information requested is necessary for determination of the ability and responsibility of the Contractor to perform pursuant to the Specifications. Any information or inaccurate information may be a basis for invalidating the Bid Proposal.

1. Bidder name, nature of entity (corporation, partnership, sole proprietorship), address, phone number, and person to contact:

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2. Is your principal place of Business in New Jersey?

Yes ( ) No ( ); If your answer is No: \_\_\_\_\_

- a. State here the name, address, and phone number of the person authorized to accept legal process in New Jersey.

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3. Is the bidding entity a subsidiary of or affiliated with any other business entity?

Yes ( ) No ( )

If your answer is Yes, list here the names and addresses of said business entities and the nature of the interest or affiliation.

Name

Address

_____	_____
_____	_____
_____	_____

Bidder Questionnaire (continued)

4. List the names and addresses of all officers of the bidding entity and/or all other persons having an interest as principals in the accompanying Bid:

Name	Address
_____	_____
_____	_____
_____	_____
_____	_____

5. Have any of the above individuals or any other principal in the bidding company been in bankruptcy? Yes ( ) No ( ) If yes, provide information:

\_\_\_\_\_  
\_\_\_\_\_

6. Have any of the individuals referred to in No. 4 and No. 5 been an officer in a company which has been in bankruptcy? Yes ( ) No ( ) If yes, provide information;

\_\_\_\_\_  
\_\_\_\_\_

7. State the number of years this bidding entity has been in business \_\_\_\_\_.

8. Has the Company always been in the same business? Yes ( ) No ( ) If No, list the Company's business history with specific dates.

\_\_\_\_\_

9. Has this company ever failed to complete work on or been declared in default on any Contract? Yes ( ) No ( ); If yes provide information:

\_\_\_\_\_  
\_\_\_\_\_

Bidder Questionnaire (continued)

10. List the number of permanent employees in the Company.

Supervisory \_\_\_\_\_ Labor \_\_\_\_\_

11. Attach hereto a statement of current financial condition and /or a current Dun and Bradstreet rating.

12. List any business reference.

Name & Type of Business	Address	Phone/Fax Numbers
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13. Disclose here any prior, current, or pending liens or encumbrances of any kind filed against any of your contracts or those of other principals identified at No. 3 and No. 4.

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14. Disclose here any prior, current, or pending litigation concerning failure to perform or non-compliance with specifications.

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15. List all similar or related contracts which your company commenced and/or completed during the past three (3) or more years. Attach additional pages if necessary. For each contract listed, include the following information: the name and address of the contracting unit, the name of the individual to contact at said location, the telephone number thereof, a description of the work undertaken, date started, date completed, and the name and address of the surety providing security for each contract:

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Bidder Questionnaire (continued)

16. List the trucks and other equipment owned by the bidding entity which will be available for the proposed contract. Include the number of vehicles, the make, size, capacity, age, and condition.

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17. List equipment which you expect to rent to accomplish the work.

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18. List equipment which you expect to purchase to complete the contract.

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19. Will any part of the work be subcontracted? Yes ( ) No ( ). Bidders must identify all subcontractors who will be used in the work except vendors and must actually use the subcontractors listed.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Trade: \_\_\_\_\_ License/Permit \_\_\_\_\_

20. Bidders must offer proof of current licenses/permits issued by controlling government agencies, particularly the NJDEP, as applicable to the work under said contract (s). Provide below data as to all current licenses/permits including those of land application sites and those of subcontractors listed at question No.19. Attach hereto copies of the licenses/certificates identified herein. Failure to provide any of the foregoing information will result in rejection of the bid. Attach additional sheets if necessary.

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21. Do you have a current valid letter from the office of Federal Contract compliance Programs verifying approval of a Federal Affirmative Action Plan and/or do you have a current valid New Jersey Certificate of Employee Information Report if yes, attach copy hereto. If you have neither of the above and if you are the successful bidder, you will be provided with and required to submit a New Jersey Affirmative Action Employee Information report (Form AA 302).



The undersigned certifies that all of the responses to the twenty-one (21) items contained in the Bidder Questionnaire are true and correct.

Bidder: \_\_\_\_\_

By: \_\_\_\_\_  
Signature

Print name and title: \_\_\_\_\_

Subscribed and sworn to before me

this \_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_.

Notary Public of \_\_\_\_\_

My commission expires \_\_\_\_\_

**CONTRACT AWARD**

Upon opening proposals, pricing shall remain firm for a period of sixty (60) calendar days. In the event that the award is not made within sixty (60) calendar days, bidders may hold their bid consideration beyond sixty (60) days or until the contract is awarded.

- Check here is willing to hold the pricing consideration beyond sixty (60) days or until the contract is awarded.
  
- Check here if not willing to hold the pricing consideration beyond sixty (60) days or until the contract is awarded.

Authorized Signature: \_\_\_\_\_

EAST WINDSOR M.U.A.  
CHEMICALS FOR WATER & WASTEWATER TREATMENT  
BID SPECIFICATIONS  
December 2024 – November 2026

**CHEMICAL DELIVERS MUST ADHERE TO ALL HAZARDOUS TRANSPORTATION STATE AND FEDERAL LAWS, SUCH AS OCCUPATIONAL HEALTH AND SAFETY 29CFR1910.1200 AND DOT 49CFR PARTS 171 TO 180. ANY MISS LABELING OF CHEMICAL CONTAINERS OR SHIPPING LABELS WILL NOT BE TOLERATED AND WILL BE CAUSE FOR IMMEDIATE CANCELLATION OF CONTRACT. ALL CHEMICAL SUPPLIERS MUST SUPPLY THE EAST WINDSOR MUA WITH APPROPRIATE MSDS INFORMATION.**

**\*\* NOTE\*\*** Because of **MUST** return policies on pallets and carboys, no deposit will be paid on said items. All pricing will include delivery.

All deliveries shall be made Monday through Friday, excluding Holidays, in accordance with the hours set forth below.

1. 14,000 lbs. Chlorine in 150 lb. cylinders, to be delivered on scheduled dates, between 8:00 a.m. and 2:00 p.m. Each order will have instructions on delivery quantities and delivery sites. Valves to be clean and in good operating condition. Additional lead gaskets will be supplied if requested.
2. 55,000 lbs. Hydrofluorosilicic Acid, liquid, 25%, in 125lb. returnable carboys, in quantities as required by Plant Operators, delivered to various Water Treatment Plant on scheduled dates, between 8:00 a.m. and 2:00 p.m. Delivery truck must have power lift gate. **Empty carboys and pallets from any previous shipments must be accepted by driver for return.**
3. 30,000 gallons of 15% sodium hypochlorite solution, to be delivered in quantities up to 500 gallons to Well #7 on Old Cranbury Rd. and Well # 8 Water Treatment Plant on Conover Road when requested on scheduled dates, between 8:00 a.m. and 2:00 p.m. Solution must be pumped through two-inch pipe into bulk storage tanks. As per the specification, materials shall be in accordance with AWWA Specification B300-87 and contain a minimum of 12.4 percent available chlorine by weight.
4. 530,000 lbs. of Modern Millard Lime (hydrated) in 50 Lb. bags, delivered on returnable pallets, trailer loads of 10,000 to 40,500 lbs. each, 45 bags per pallet as follows (5 bags row-9 rows high) on pallets sized as follows (44" L X 48" W X 3-3/4" H), delivered to various East Windsor Water Treatment Plants as required on scheduled dates, between 8:00 a.m. and 2:00 p.m. **On smaller delivers the delivery truck must have lift gate capabilities and be stacked 5 bag rows /10 rows high total of 50 bags per pallet. Pallets from previous shipment must be accepted by the driver for return.** Chemical and Physical analysis of lime must meet or exceed the following.

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**Chemical Equivalent**

**Physical**

Min. Calcium Oxide 70.0%  
 Min. Magnesium Oxide 0.7%  
 Max. Oxides present as  
 Carbonates 1.1%  
 Total Neutralizing Value  
 129.52% CaCo3 Equiv.  
 From Magnesium Sources  
 1.00% CaCo3 Equiv.

Min. Passing #20 Sieve 100.0%  
 Min. Passing #60 Sieve 99.9%

5. 35,000 gals of Polyaluminum Chloride Solution. The supplier shall deliver the Polyaluminum Chloride Solution in quantities of 4200-4700 gals. per truck, to be delivered on scheduled dates, between 8:00 a.m. and 2:00 p.m. The delivery truck must have the ability to pump liquid alum through a 10-foot flexible hose attached to a 2-inch male Cam lock quick connect, at the Chemical Fill Station, mounted on the wastewater treatment plant process control building exterior front wall. The Polyaluminum Chloride Solution shall be suitable for sewage treatment application as a flocculent, and shall comply with the following properties:

Appearance	Slightly Hazy to clear
Specific gravity @ 60°F	1.30 +/- 0.03
Percent Al <sub>2</sub> O <sub>3</sub> by weight	14.0 +/- 0.5
Percent Al by weight	7.4 +/- 0.3
Percent Basicity	35 +/- 5
Percent Chloride	18 – 22%
Freezing Point	-30°F
pH (neat)	0.5 +/- 0.4
CAS Number 1327-41-9 (aluminum chloride, basic)	

The supplied product shall be DelPac1525; or approved equal, which has demonstrated by performance testing to be an equal to the aforementioned product. This product must meet the specifications of American Water Works Association Standard 8408-03 and is also certified by ANSI/NSF as meeting Standard 60.

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CHEMICALS FOR WATER & WASTEWATER TREATMENT  
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Alternate products shall be subject to a testing program prior to consideration of the authority's acceptance of the product. Alternate products will be tested through onsite jar testing and a minimum one (1) week full scale plant trial. If proposing an alternate

product, provide references of three (3) wastewater plants that are currently using the product. Product must perform as equal or better in jar test as well as full scale plant trial.

Variations between materials described and the materials offered are to be fully explained by the bidder on a separate sheet and submitted with the proposal/bid form. Vendor's literature will not suffice in explaining exceptions to these specifications. In the absence of any changes by the bidder, it will be presumed and required that materials as described in the proposal be delivered. It is the responsibility of the bidder to demonstrate the equivalency of the item(s) offered. The Authority reserves the right to evaluate the equivalency of a product to determine whether it meets the Authority's requirements.

6. 400 tons of synthetic liquid Magnesium Hydroxide. To be delivered in bulk quantities of 21-24 tons per truck to be delivered on scheduled dates, between 8:00 a.m. and 2:00 p.m. The delivery truck must have the ability to pump liquid Magnesium Hydroxide through a 10-foot flexible hose attached to a 2-inch male Cam lock quick connect, at the Chemical Fill Station, mounted on the wastewater treatment plant process control building exterior front wall.

The supplier shall at a minimum meet the following specifications in the table directly below as well as the following Technical Requirements below. The supplier shall provide with the bid submittal written specifications for the product bid that meet the minimum specifications listed in the Table below:

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	Typical	Maximum	Minimum
<b>Slurry Basis</b>			
Mg(OH) <sub>2</sub> contained lb/gal	7.7	8	6.5
<b>Dry Solids Basis</b>			
MgO, wt%	93		92
CaO, wt%	2.0	4.0	
SiO <sub>2</sub> , wt%	0.5	2.0	
Fe <sub>2</sub> O <sub>3</sub> , wt%	0.50	0.80	
Median Particle Size, Micron	6.0	10.0	
Specific Surface Area, m <sup>2</sup> /g	16.0	25.0	12.0
Lbs Alkalinity/Gallon	13.34	14	12.5
Caustic Magnesia Activity/Sec	75	140	
% Passing 325 Mesh Sieve	99.8	100	99.0
Stabilized Residual Test, Grams*	15.0	25.0	
NaOH 50% Solution Equivalent	1 lb Equivalent to .73 lb Mg(OH) <sub>2</sub> 60%		
Mg(OH) <sub>2</sub> 60% Solution Equivalent	100% Equivalent to 137% NaOH 50%		
CaCO <sub>3</sub> Equivalent	1 lb Equivalent to .59 lb Mg(OH) <sub>2</sub>		
Mg(OH) <sub>2</sub> 60% Solution Equivalent	100% Equivalent to 170% CaCO <sub>3</sub>		
Physical Properties:			
Density, lbs/gal	12.9		12.5
Solids, Weight Percent %	60	62	59
Viscosity, cps*	150	300	100
*TP-112 14 Hour Stability Residual Test			
*Brookfield RVT Viscometer #3 spindle @ 100 rpm, 60 seconds at 70°F			
Certifications:			
NSF International Certifies that Thioguard conforms to the requirements of NSF/ANSI Standard 60 – Drinking Water Treatment Chemicals – Health Effects			

To be considered, the technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide must also meet the following specifications, which shall be confirmed by a written analysis. Bid submittal will not be considered complete without requested documentation. If documentation is not provided at time of bid submittal, the bid will be disqualified. The following specifications and verifications must be provided with the bid submittal:

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The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide must be produced and derived from highly reactive calcined magnesium oxide utilizing a wet milling process for consistent product sizing, uniformity, reactivity and highest purity. This requirement is utilized to provide consistent performance, better dispersion and suspension stability. Proof of origination of the technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall require the supplier to provide a written description of the method confirming how the technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide must be produced and derived from highly reactive calcined magnesium oxide that originates and is manufactured in the United States. Proof of origination of the technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall require the supplier to provide the written street address, town, state, zip code, contact name and contact name telephone number at the manufacturing location address with the bid submittal.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall be NSF International Certified conforming to the requirements of NSF/ANSI Standard 60 – Drinking Water Treatment Chemicals – Health Effects. Supplier shall confirm this requirement by providing NSF/ANSI Standard 60 – Drinking Water Treatment Chemicals – Health Effects with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a minimum Mg (OH)<sub>2</sub> dry weight percent purity of 92.0% or greater to insure high grade consistency, sufficient surface area and reactivity within the municipal wastewater. Supplier shall confirm this requirement by providing written analysis performed by certified 3rd party laboratory with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a minimum 6.5 pounds per gallon of a minimum 92.0% Mg (OH)<sub>2</sub> dry weight percent purity to insure a minimum reactive solids content per gallon, consistent sufficient surface area and reactivity within the municipal wastewater.

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Supplier shall confirm this requirement by providing written analysis performed by certified 3rd party laboratory with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a median particle size no greater than 10.0 microns in order to insure sufficient surface area and reactivity within the municipal wastewater. Supplier shall confirm this requirement by providing written analysis performed by certified 3rd party laboratory with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a specific surface area, m<sup>2</sup>/g of no less than 12.0 square meters per gram in order to insure sufficient surface area and reactivity within the municipal wastewater. Supplier shall confirm this requirement by providing written analysis performed by certified 3rd party laboratory with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a Caustic Magnesia Activity/Sec no greater than 140 seconds in order to insure sufficient surface area and reactivity within the municipal treatment plant. Supplier shall confirm this requirement by providing written analysis with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall have a Stabilized Residual Test result in grams of less than or equal to 25 grams to prevent feed tank handling and wastewater treatment plant problems associated with instability of low-grade magnesium hydroxide slurry produced from uncalcined brucite, uncalcined dolomite, dolime, brucitic marble, or any caustic-enhanced or lime-enhanced versions of the former. Supplier shall confirm this requirement by providing written analysis with the bid submittal. Failure to supply the requested items listed above with the bid submittal will disqualify the bidder from consideration.

The technical grade magnesium hydroxide slurry derived from highly reactive calcined magnesium oxide shall be capable of cost effectively providing non-carbonate alkalinity



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for biological treatment plant processes. The percent by weight of the Supplier's magnesium hydroxide slurry shall not exceed 4.0% by weight of CaO. This requirement

is to prevent water softening and to prevent the precipitation of magnesium and calcium that results in sludge production, calcium scaling and reduced reactivity /reduced alkalinity. The supplier shall confirm this requirement by providing written analysis performed by a certified 3rd party laboratory with the bid submittal. Failure to supply the

requested items listed above with the bid submittal will disqualify the bidder from consideration.