



CLACKAMAS

**WATER
ENVIRONMENT
SERVICES**

GREGORY L. GEIST | DIRECTOR

Water Quality Protection
Surface Water Management
Wastewater Collection & Treatment

October 1, 2026

BCC Agenda Item: _____

Board of County Commissioners
Acting as the governing body of Water Environment Services
Clackamas County

Approval of Contract #1896 with Northstar Chemical, Inc. for the purpose of providing chemical supply for WES's Water Resource Recovery Facilities. The total contract value is \$6,000,000 through June 30, 2031. Funding through WES Sanitary Sewer Operating Funds. No County General Funds are involved.

Previous Board Action/Review: NA

Performance Clackamas: 1. This project supports WES' strategic plan to upgrade WES' infrastructure to ensure the sustainable delivery of reliable, high-quality, and climate-resilient clean water services that support the growth and vitality of our communities, natural environment, and economy.

2. This project supports the County's Strategic Priorities of Strong Infrastructure, Vibrant Economy, and Safe, Secure and Livable Communities.

Counsel Review: Yes

Procurement Review: Yes

Contact Person: Darren Eki

Contact Phone: 503-971-9838

EXECUTIVE SUMMARY: WES manages all aspects of wastewater, including wastewater treatment and biosolids management. Chemical demands at these facilities vary and include pH control and chlorination/dechlorination of our effluent.

The WES operated treatment facilities utilize various chemicals to meet or surpass environmental and public health standards. Daily consumption varies upon changes in flow, water quality, and process control demands. The awarded contracts will be used to fulfill the chemical needs for regulatory compliance and to keep the plants running at optimal efficiency. To improve supply chain resiliency and sustain competitive pricing, WES initiated a request for qualifications process and identified three qualified chemical suppliers (Newco, Inc. Contract #1895, Northstar Contract #1896, and Two Rivers Terminal, LLC Contract #1897). Quarterly, these three suppliers will have an opportunity to submit updated pricing and WES has the option to select the supplier offering the best value.

RECOMMENDATION: Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve Contract #1896 with Northstar Chemical, Inc. for the purpose of providing chemical supply for WES's Water Resource Recovery Facilities.

Respectfully submitted,

Greg Geist
Director, WES

Attachment: Contract #1896 Northstar Chemical, Inc.

For Filing Use Only



GOODS AND SERVICES CONTRACT Contract #0000001896

This Goods and Services Contract (this "Contract") is entered into between **Northstar Chemical, Inc.** ("Contractor"), and Water Environment Services, an intergovernmental entity formed pursuant to ORS Chapter 190 ("District"), for the purposes of providing Chemical Supply for the District's Water Resource Recovery Facilities.

ARTICLE I.

1. **Effective Date and Duration.** This Contract shall become effective upon the signature of both parties and shall remain in effect until **June 30, 2031** or until completion of all obligations provided herein, whichever is later.
2. **Scope of Work.** The Contractor shall provide the goods and services identified in **Exhibit A** (the "Work"), attached hereto and incorporated by reference herein. Work shall be performed in accordance with a schedule approved by the District.
3. **Consideration.** The District agrees to pay Contractor, from available and authorized funds, a sum not to exceed **Six Million Dollars (\$6,000,000.00)** for performing the Work required by this Contract. Consideration rates are on a time and materials basis in accordance with the rates and costs specified in **Exhibit A**. If any interim payments to the Contractor are made, such payments shall be made only in accordance with the schedule and requirements in Exhibit A.
4. **Invoices and Payments.** Unless otherwise specified, Contractor shall submit monthly invoices for Work performed. Invoices shall describe all Work performed with particularity, by whom it was performed, and shall itemize and explain all expenses for which reimbursement is claimed. The invoices shall include the total amount billed to date by Contractor prior to the current invoice. If Contractor fails to present invoices in proper form within sixty (60) calendar days after the end of the month in which the services were rendered, Contractor waives any rights to present such invoice thereafter and to receive payment therefor. Payments shall be made to Contractor within forty-five (45) days following the District's review and approval of invoices submitted by Contractor. Contractor shall not submit invoices for, and the District will not be obligated to pay, any amount in excess of the maximum compensation amount set forth above. If this maximum compensation amount is increased by amendment of this Contract, the amendment must be fully effective before Contractor performs Work subject to the amendment. Payment information will be reported to the Internal Revenue Service ("IRS") under the name and taxpayer ID number submitted. (See I.R.S. 1099 for additional instructions regarding taxpayer ID numbers.) Information not matching IRS records will subject Contractor payments to backup withholding.

Invoices shall reference the above Contract Number and be submitted to:
WES-Payables@clackamas.us

5. **Travel Expense Reimbursement.** Authorized: ☐ Yes ☒ No
If travel expense reimbursement is authorized in this Contract, such expenses shall only be reimbursed at the rates in the Clackamas County Contractor Travel Reimbursement Policy, hereby incorporated by reference, in effect at the time the expense is incurred.
6. **Contract Documents.** This Contract consists of the following documents which are listed in descending order of precedence and are attached and incorporated by reference, this Contract and

Exhibit A.

7. Contractor and District Contacts.

<u>Contractor</u> Administrator: Matt Werger Phone: 503-625-3770 Email: bidsnw@northstarchemical.com	<u>District Contract Administrator</u> Administrator: Darren Eki Phone: 971-940-4524 Email: DEki@clackamas.us
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ARTICLE II.

- 1. Access to Records.** Contractor shall maintain books, records, documents, and other evidence, in accordance with generally accepted accounting procedures and practices, sufficient to reflect properly all costs of whatever nature claimed to have been incurred and anticipated to be incurred in the performance of this Contract. District and their duly authorized representatives shall have access to the books, documents, papers, and records of Contractor, which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts, and transcripts. Contractor shall maintain such books and records for a minimum of six (6) years, or such longer period as may be required by applicable law, following final payment and termination of this Contract, or until the conclusion of any audit, controversy or litigation arising out of or related to this Contract, whichever date is later.
- 2. Availability of Funds.** Any continuation or extension of this Contract after the end of the fiscal period in which it is written is contingent on a new appropriation for each succeeding fiscal period sufficient to continue to make payments under this Contract, as determined by the District in its sole administrative discretion.
- 3. Captions.** The captions or headings in this Contract are for convenience only and in no way define, limit, or describe the scope or intent of any provisions of this Contract.
- 4. Compliance with Applicable Law.** Contractor shall comply with all applicable federal, state and local laws, regulations, executive orders, and ordinances, as such may be amended from time to time.
- 5. Governing Law.** This Contract, and all rights, obligations, and disputes arising out of it, shall be governed and construed in accordance with the laws of the State of Oregon and the ordinances of Clackamas County without regard to principles of conflicts of law. Any claim, action, or suit between District and Contractor that arises out of or relates to the performance of this Contract shall be brought and conducted solely and exclusively within the Circuit Court for Clackamas County, for the State of Oregon. Provided, however, that if any such claim, action, or suit may be brought in a federal forum, it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this section be construed as a waiver by the District of any form of defense or immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court. Contractor, by execution of this Contract, hereby consents to the personal jurisdiction of the courts referenced in this section.
- 6. Hazard Communication.** Contractor shall notify District prior to using products containing hazardous chemicals to which District employees may be exposed, which includes any hazardous, toxic, or dangerous substance, waste, or material that is the subject of environmental protection legal requirements or that becomes regulated under any applicable local, state or federal law, including but not limited to the items listed in the United States Department of Transportation Hazardous Materials Table (49 CFR §172.101) or designated as hazardous substances by Oregon Administrative Rules, Chapter 437, or the United States Environmental Protection Agency (40 CFR Part 302), and any amendments thereto. Upon District's request, Contractor shall immediately provide Safety Data Sheets for the products subject to this provision.

7. **Responsibility for Damages; Indemnity.** Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay which may be caused by, or result from, any act, omission, or neglect of Contractor, its subcontractors, agents, or employees. The Contractor agrees to indemnify and defend the District and Clackamas County, and their officers, elected officials, agents, and employees, from and against all claims, actions, losses, liabilities, including reasonable attorney and accounting fees, and all expenses incidental to the investigation and defense thereof, arising out of or based upon Contractor's acts or omissions in performing under this Contract.

However, neither Contractor nor any attorney engaged by Contractor shall defend the claim in the name of District or Clackamas County ("County"), purport to act as legal representative of District or County, or settle any claim on behalf of District or County, without the approval of the Clackamas County Counsel's Office. District or County may assume their own defense and settlement at their election and expense.

8. **Independent Contractor Status.** The service(s) to be rendered under this Contract are those of an independent contractor. Although the District reserves the right to determine (and modify) the delivery schedule for the Work to be performed and to evaluate the quality of the completed performance, District cannot and will not control the means or manner of Contractor's performance. Contractor is responsible for determining the appropriate means and manner of performing the Work. Contractor is not to be considered an agent or employee of District for any purpose, including, but not limited to: (A) The Contractor will be solely responsible for payment of any Federal or State taxes required as a result of this Contract; and (B) This Contract is not intended to entitle the Contractor to any benefits generally granted to District employees, including, but not limited to, vacation, holiday and sick leave, other leaves with pay, tenure, medical and dental coverage, life and disability insurance, overtime, Social Security, Workers' Compensation, unemployment compensation, or retirement benefits.
9. **Insurance.** Contractor shall secure at its own expense and keep in effect during the term of the performance under this Contract the insurance required and minimum coverage indicated below. The insurance requirement outlined below do not in any way limit the amount of scope of liability of Contractor under this Contract. Contractor shall provide proof of said insurance and name the District and Clackamas County as an additional insured on all required liability policies. Proof of insurance and notice of any material change should be submitted to the following address: Clackamas County Procurement Division, 2051 Kaen Road, Oregon City, OR 97045.

Required - Workers Compensation: Contractor shall comply with the statutory workers' compensation requirements in ORS 656.017, unless exempt under ORS 656.027 or 656.126.
☒ Required – Commercial General Liability: Combined single limit, or the equivalent, of not less than \$1,000,000 per occurrence, with an annual aggregate limit of \$2,000,000 for Bodily Injury and Property Damage.
☐ Required – Professional Liability: Combined single limit, or the equivalent, of not less than \$1,000,000 per claim, with an annual aggregate limit of \$2,000,000 for damages caused by error, omission or negligent acts.
☒ Required – Automobile Liability: Combined single limit, or the equivalent, of not less than \$1,000,000 per accident for Bodily Injury and Property Damage.

The policies shall be primary insurance as respects to the District. Any insurance or self-insurance

maintained by the District shall be excess and shall not contribute to it. Any obligation that District agree to a waiver of subrogation is hereby stricken.

10. Limitation of Liabilities. This Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent. Except for liability arising under or related to Article II, Section 14 or Section 21, neither party shall be liable for (i) any indirect, incidental, consequential or special damages under this Contract or (ii) any damages of any sort arising solely from the termination of this Contract in accordance with its terms.

11. Notices. Except as otherwise provided in this Contract, any required notices between the parties shall be given in writing by personal delivery, email, or mailing the same, to the Contract Administrators identified in Article 1, Section 6. If notice is sent to County, a copy shall also be sent to: Clackamas County Procurement, 2051 Kaen Road, Oregon City, OR 97045. Any communication or notice so addressed and mailed shall be deemed to be given five (5) days after mailing, and immediately upon personal delivery, or within 2 hours after the email is sent during County's normal business hours (Monday – Thursday, 7:00 a.m. to 6:00 p.m.) (as recorded on the device from which the sender sent the email), unless the sender receives an automated message or other indication that the email has not been delivered.

12. Reserved.

13. Representations of Warranties. Contractor represents and warrants the following:

- A. Contractor has the power and authority to enter into and perform this Contract;
- B. This Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms;
- C. Contractor shall, at all times during the term of this Contract, be qualified, professionally competent, and duly licensed to perform the Work;
- D. Contractor is an independent contractor as defined in ORS 670.600.

If providing goods, all goods provided by Contractor under this Contract shall meet all standards and specifications set forth in Exhibit A, that the goods shall be merchantable, and shall be fit for District's intended use, described in Exhibit A. As necessary, the District agrees to provide Contractor reasonable access to the goods for purposes of repair or replacement under this warranty. Failure of Contractor to promptly correct problems pursuant to this warranty shall be deemed a material breach of this Contract.

- E. If providing services, the services provided by Contractor under this Contract will be performed in a workmanlike manner and in accordance with the highest professional standards.

The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided.

14. Delivery and Inspections.

A. All deliveries shall be F.O.B. destination with all transportation and handling charges paid by the Contractor, unless specified otherwise in this Contract. Responsibility and liability for loss or damage shall remain with the Contractor until final inspection and acceptance, when responsibility shall pass to the District except as to latent defects, fraud and Contractor's warranty obligations.

B. Goods furnished under this Contract will be subject to inspection and test by the District at times and places determined by the District in its sole discretion. If the District finds the goods furnished to be incomplete or not in compliance with the Contract, the District, in its sole discretion, may either

reject the goods, require Contractor to correct any defects without charge, or negotiate with Contractor to sell the goods to the District at a reduced price. If Contractor is unable or refuses to cure any defects within a time deemed reasonable by the District, the District may reject the goods, terminate the Contract, and pursue any and all rights and remedies available to District at law, in equity, or under this Contract. Nothing in this paragraph shall in any way affect or limit the District's rights as a buyer, including the rights and remedies relating to rejection under ORS 72.6020 and revocation of acceptance under ORS 72.6080.

- 15. Survival.** All rights and obligations shall cease upon termination or expiration of this Contract, except for the rights and obligations set forth in Article II, Sections 1, 5, 6, 7, 10, 12, 13, 15, 16, 17, 18, 21, 22, 23, 27, and 31, and all other terms and conditions which by their context are intended to survive termination of this Contract.
- 16. Severability.** If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular term or provision held to be invalid.
- 17. Subcontractors and Assignments.** Contractor shall not enter into any subcontracts for any of the work required by this Contract, or assign or transfer any of its interest in this Contract by operation of law or otherwise, without obtaining prior written approval from the District. In addition to any provisions the District may require, Contractor shall include in any permitted subcontract under this Contract a requirement that the subcontractor be bound by this section and Article II, Sections 1, 7, 8, 13, 22, and 31, as if the subcontractor were the Contractor. District's consent to any subcontract shall not relieve Contractor of any of its duties or obligations under this Contract.
- 18. Successors in Interest.** The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective authorized successors and assigns.
- 19. Tax Compliance and Certifications.** The Contractor shall comply with all federal, state and local laws, regulation, executive orders and ordinances applicable to this Contract. Contractor represents and warrants that it has complied, and will continue to comply throughout the duration of this Contract and any extensions, with all tax laws of this state or any political subdivision of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318. Any violation of this section shall constitute a material breach of this Contract and shall entitle District to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract or applicable law.
- 20. Termination.** This Contract may be terminated for the following reasons: (A) by mutual agreement of the parties or by the District (i) for convenience upon thirty (30) days written notice to Contractor, or (ii) at any time the District fails to receive funding, appropriations, or other expenditure authority as solely determined by the District; or (B) if Contractor breaches any Contract provision or is declared insolvent, District may terminate after thirty (30) days written notice with an opportunity to cure.

Upon receipt of written notice of termination from the District, Contractor shall immediately stop performance of the Work. Upon termination of this Contract, Contractor shall deliver to District all documents, Work Product, information, works-in-progress and other property that are or would be deliverables had the Contract Work been completed. Upon District's request, Contractor shall surrender to anyone District designates, all documents, research, objects or other tangible things needed to complete the Work.

- 21. Remedies.** If terminated by the District due to a breach by the Contractor, then the District shall have

any remedy available to it at law, in equity, or under this Contract including, but not limited to, any remedy available under ORS Chapter 72. If this Contract is terminated for any other reason, Contractor's sole remedy is payment for the goods and services delivered and accepted by the District, less any setoff to which the District is entitled.

- 22. No Attorney Fees.** In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Contract, each party shall be responsible for its own attorneys' fees and expenses.
- 23. No Third Party Beneficiaries.** District and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract gives, is intended to give, or shall be construed to give or provide any benefit or right, whether directly, indirectly or otherwise, to third persons unless such third persons are individually identified by name herein and expressly described as intended beneficiaries of the terms of this Contract.
- 24. Time is of the Essence.** Contractor agrees that time is of the essence in the performance of this Contract.
- 25. Foreign Contractor.** If the Contractor is not domiciled in or registered to do business in the State of Oregon, Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State, Corporate Division, all information required by those agencies relative to this Contract. The Contractor shall demonstrate its legal capacity to perform these services in the State of Oregon prior to entering into this Contract.
- 26. Force Majeure.** Neither District nor Contractor shall be held responsible for delay or default caused by fire, terrorism, riot, acts of God, or war where such cause was beyond, respectively, District's or Contractor's reasonable control. Contractor shall, however, make all reasonable efforts to remove or eliminate such a cause of delay or default and shall upon the cessation of the cause, diligently pursue performance of its obligations under this Contract.
- 27. Waiver.** The failure of District to enforce any provision of this Contract shall not constitute a waiver by District of that or any other provision.
- 28. Public Contracting Requirements.** Pursuant to the public contracting requirements contained in Oregon Revised Statutes ("ORS") Chapter 279B.220 through 279B.235, Contractor shall:
- a. Make payments promptly, as due, to all persons supplying to Contractor labor or materials for the prosecution of the work provided for in the Contract.
 - b. Pay all contributions or amounts due the Industrial Accident Fund from such Contractor or subcontractor incurred in the performance of the Contract.
 - c. Not permit any lien or claim to be filed or prosecuted against District on account of any labor or material furnished.
 - d. Pay the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
 - e. As applicable, the Contractor shall pay employees for work in accordance with ORS 279B.235, which is incorporated herein by this reference. The Contractor shall comply with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract, and failure to comply is a breach entitling District to terminate this Contract for cause.
 - f. If the Work involves lawn and landscape maintenance, Contractor shall salvage, recycle, compost, or mulch yard waste material at an approved site, if feasible and cost effective.

29. Reserved.

31. Merger. This Contract constitutes the entire agreement between the parties with respect to the subject matter referenced herein. There are no understanding, agreements, or representations, oral or written, not specified herein regarding this Contract. Contractor, by the signature hereto of its authorized representative, acknowledges having read and understood this Contract and Contractor agrees to be bound by its terms and conditions.

33. Amendment. This Contract may only be modified in writing signed by the parties.

Water Environment Services

 9/3/2026
County Counsel Date

EXHIBIT A SCOPE OF WORK

Contractor shall provide various chemicals and their delivery to three (3) separate Water Environment Services (“WES”) locations on an as-needed basis.

A. General Requirements

- Marking: Each shipment shall be identified as to product, grade, net weight, name of manufacturer and brand name.
- Removal of Unsatisfactory Materials: If the material (chemical) does not meet the requirements of the appropriate WES Standard, or is not satisfactory to the WES project manager (or appointed representative) Contractor shall remove the material from the premises at WES’s request and replace it with a like amount of satisfactory material, or a price adjustment may be agreed upon between WES and the Contractor.
- Contractor and chemicals shall comply with all applicable rules and regulations of the State of Oregon and all other authorities having jurisdiction. Deliveries will be within a reasonable time, relative to the placement of an order. Expected response from date of order is five (5) days, however emergency situations may require same day or next day delivery.
- Delivery times shall be coordinated with WES, or a WES representative, at the time of placing an order.
- Data Sheets shall be provided for all received chemicals.

B. Chemical Descriptions

Chemical	Description	Estimated Annual Consumption
Sodium Bisulfite	38% - 4,000 gallons per delivery	550,000 lbs
Hydrated Lime	15 tons per delivery	450 tons
Sodium Bicarbonate	50 lbs bags; 2,450lbs/pallet	2,500 lbs
Sodium Hydroxide	20% - 3,000 gallons per delivery	3,000 gallons
Citric Acid	50% solution – 2,800 lb tote	8,400 lbs
Phosphoric Acid	75% in 700 lb Drums,	2,800 lbs
Caustic Soda	50 lbs bags; 2,450lbs/pallet	2,450 lbs
Sodium Hypochlorite Solution	12.5% Filtered	200,000 gallons
Calcium Carbonate AquaCal SS70	65% solids content	610 tons
Calcium Carbonate AqualCal 150	75% solids content	610 tons

C. Chemical Specifications

The list below specifies chemicals used, a brief description of the purpose, and the chemical composition of each. The expectation for each chemical is that it will meet the specifications provided and no alternative chemicals will be accepted.

- ***Sodium Bisulfite***

Sodium Bisulfite is used as a dichlorination agent at the Tri-City facility. The Tri-City facility splits flow after a shared primary treatment process. The controlled portion of flow that enters the Conventional Activated Sludge, (CAS) side of treatment is currently disinfected using Sodium Hypochlorite. Tri-City, Hoodland, and Kellogg currently use Sodium Bisulfite for dichlorination post disinfection.

Chemical Composition	Minimum (% by weight)	CAS Number
Water	60-90	7732-18-5
Sodium Bisulfite	38%	7631-90-5
Sodium Sulfite	<1.0	7757-83-7
Sodium Sulfate	<1.0	7757-82-6

- ***Hydrated Lime***

Hydrated Lime is currently used to control pH on the Membrane Bio Reactor (MBR) side of treatment. The effectiveness of lime is to control pH and ultimately allow us to maintain the needed alkalinity of greater than 100 mg/L within treatment process. Alkalinity is tested daily and lime dose rates adjusted to meet the target goal of 100 mg/L.

Chemical Composition	Minimum (% by weight)	CAS Number
Calcium Hydroxide	>90	1305-62-0
Magnesium Oxide	<3	1309-48-4
Calcium Carbonate	<3	1317-65-3
Crystalline Silica	<2	14808-60-7

- ***Sodium Bicarbonate***

Sodium Bicarbonate is used for pH control within the digester system. Digester loadings, temperature and/or mixing complications can all result in an unhealthy digester environment. During such events the digester gas producing organisms, or methanogens, slow down and gas production often decreases significantly, sometimes resulting in a gas quality that can no longer be reused within the gas utilization system. Acid/Alkalinity analysis is run twice/week, and Sodium Bicarbonate dosing is triggered once the ratio hits 0.0300 mg/L or if the trend is swinging upward quickly.

Chemical Composition	Minimum (% by weight)	CAS Number
Sodium Bicarbonate	100	144-55-8

- ***Sodium Hydroxide***

Sodium Hydroxide is used as a scrubbing agent used as part of the chemical building scrubber system. The chemical scrubber is designed to collect and remove chlorine gas from the storage room in the event of a chlorine release greater than 3.0 ppm chlorine gas. Chemical orders are triggered either by tank level on the scrubber vessel hydrometer results which verify concentration +/- 1%.

Chemical Composition	Minimum (% by weight)	CAS Number
Sodium Hydroxide	20%	1310-73-2
Water	80%	7732-18-5

- ***Citric Acid***

Citric Acid is used as a cleaning agent during the membrane recovery clean in the MBR system. Over time the membrane begins to collect inorganic substances on the membrane surface. The membranes are soaked for 18 hours in a Citric Acid bath. Citric Acid softens the inorganic buildup allowing for removal and ultimately a more efficient treatment process.

Chemical Composition	Minimum (% by weight)	CAS Number
Citric Acid	49-51%	77-92-2
Water	Balance	7732-18-5

- **Caustic Soda**

Caustic Soda has multiple uses ranging from odor control, degrading fats, oils, and grease and for pH adjustment. For pH control, caustic soda allows for quick rapid adjustments of pH. The alkaline nature of caustic soda also benefits the breakdown of fats and greases and is used to clean conveyance piping and/or valves. Caustic soda can also be used as a cleaning agent to remove organic foulants from pumps, pipes and tanks.

Chemical Composition	Minimum (% by weight)	CAS Number
Sodium	57%	7440-23-5
Hydrogen	40%	1333-74-0
Oxygen	3%	7782-44-7

- **Sodium Hypochlorite**

Sodium Hypochlorite: Used as an oxidizer to provide pathogen reduction control. Daily consumption varies upon changes in flow and water quality. The strength of our sodium hypochlorite is measured in residual ppm and decomposes over time. Product freshness and purity are critical to achieve expected results. For this reason, we are soliciting quotes for a filtered low salt product. By using a filtered low salt product, we can ensure a better quality and much more stable product.

Chemical Composition	Minimum (% by weight)	Maximum (% by weight)
Sodium Hypochlorite	12.5 %	15.60
Sodium Chloride	2.5 %	6.00
Sodium Hydroxide	0.1 %	2.0
Sodium Carbonate	0.0 %	0.5
Inorganic Salt of Iron	0.0 %	0.5 mg/L (0.5 ppm)
Inorganic Salt of Copper	0.0 %	0.05 mg/L (0.05 ppm)
Inorganic Salt of Nickel	0.0 %	0.05 mg/L (0.05 ppm)

- **Calcium Carbonate**

Calcium Carbonate is an alternative chemical that can be used to control pH on the Membrane Bio Reactor, (MBR) side of treatment. The effectiveness of calcium carbonate is to maintain the needed alkalinity of greater than 80 mg/L within treatment process and ultimately allow for control of pH. Alkalinity is tested daily and lime dose rates adjusted to meet the target goal of 80 mg/L.

Microna AquaCal SS70

Chemical Composition	Minimum (% of Dry Material)	CAS Number
Calcium Carbonate	98.5%	471-34-1
Magnesium Carbonate	1.4%	546-93-0
Acid	0.1%	7647-01-0

Microna AquaCal 150

Chemical Composition	Minimum (% of Dry Material)	CAS Number
Calcium Carbonate	98%	471-34-1
Magnesium Carbonate	1%	546-93-0
Acid	.1%	7647-01-0

- ***Phosphoric Acid***

Phosphoric Acid is used in the cleaning of the Ultraviolet disinfection system at the Kellogg Creek WRRF, it is used to clean mineral scale, inorganics and organics from the quartz sleeves. They are bathed in the acid solution for roughly 45 minutes.

Chemical Composition	Minimum (% by weight)	CAS Number
Phosphoric Acid	75%	7664-38-2
Water	Balance	7732-18-5

D. Delivery and Response Time

Delivery shall be Monday – Friday between the hours of 7:00AM- 2:00PM PST, with volumes and locations indicated at the time of order. Expected response from date of order is five (5) days. Emergency situations may require same day or next day delivery and shall be discussed at time of order.

E. Delivery Locations

Tri-City WPCP

15941 S. Agnes Ave Oregon City, OR 97045
WES Contact: Darren Eki

Kellogg Creek WRRF

11525 SE McLoughlin Blvd Milwaukie, OR 97222
WES Contact: Josh Clark

Hoodland WPCP

24596 E. Bright Ave Welches, OR 97067
WES Contact: Michael Hawkins, Josh Clark, Scott Herdener

F. Trucking and Offloading

Chemicals may be pumped from vendor truck to WES vessel or forklifted in totes. Offloading of dry chemicals may be made via vendor supplied forklift or co-op offload with WES staff and WES forklift. The preference of WES is for the awarded contractor(s) to have in-house trucking methods with minimal subcontractor trucking.

G. Warranties

The chemicals supplied shall be warranted to be in complete compliance with the specifications and completely satisfactory for their intended use at time of receipt of delivery to include subcontracted trucking. Unsatisfactory items will be replaced, at no cost, or satisfactory adjustments made.

H. Price Adjustments

Contractor may request pricing changes (increase or decrease) four (4) times a year between:

January 1st-10th
April 1st-10th
July 1st-10th
October 1st-10th

The Contractor shall submit a summary describing the nature of the change, as well as any supporting documentation of the changes including, but not limited to, notices received by the Contractor from manufacturers or suppliers of price increases. Upon confirmation from WES that it has received all required information from the Contractor, WES may authorize the price adjustment without further need for an amendment by the parties. The authorized price adjustments may take effect retroactively on the date the price adjustment request was received by WES within the quarterly windows of time identified above.

The intent of allowing adjustments quarterly is to better align the fee schedule with the fluctuations in the Contractor's cost of raw materials, production, and delivery. It is the expectation of the parties that fee adjustments will reflect both increases and decreases in pricing depending on the market conditions. Price increases that may result in the exceedance of the not-to-exceed amount listed in Article I, Section 3 of the Contract above require an amendment signed by both parties.

EXHIBIT B
FEE SCHEDULE

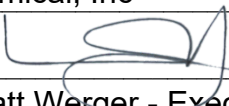
Fees Schedule
#2026-41 Chemical Supply for Water Environment Services

Chemical	Order Unit	Price
Sodium Bisulfite	lbs	\$.2450 / lbs
Hydrated Lime	lbs	\$.3045 / lbs
Sodium Bicarbonate	50lbs bags	\$ No Bid / 50 lbs bag
Sodium Hydroxide	lbs	\$.1375 /lb
Citric Acid	lbs	\$ 1.32 / lbs
Phosphoric Acid	lbs	\$ No Bid / lbs
Caustic Soda	50lbs bags	\$ No Bid / 50 lbs bag
Sodium Hypochlorite Solution	Gallons	\$ 2.37 /gallon
Calcium Carbonate AquaCal SS70	lbs	\$ No Bid / lbs
Calcium Carbonate AqualCal 150	lbs	\$ No Bid / lbs

Prices should be inclusive of all fees, delivery, or otherwise.

Firm: Northstar Chemical, Inc

Authorized Signature: _____


 Matt Werger - Executive Vice President

05/27/2026

Date