

CHEMICAL SUPPLIER AGREEMENT
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution
Specification No. C-2023-1417BD

This CHEMICAL SUPPLIER AGREEMENT (hereinafter referred to as "Agreement"), is made and entered into as of the date fully executed below, by and between Orange County Sanitation District (hereinafter referred to as "OC San") and _____ (hereinafter referred to as "Supplier"), and collectively referred to herein as the "Parties."

RECITALS

WHEREAS, OC San desires to temporarily engage Supplier to provide Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution as described in Exhibit "A"; and

WHEREAS, Supplier submitted its Bid dated [____]; and

WHEREAS, on _____, OC San's _____ [Board of Directors or Operations Committee], by minute order, authorized execution of this Agreement.

WHEREAS, OC San has chosen Supplier to provide Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution in accordance with Ordinance No. OC SAN-56; and

NOW, THEREFORE, in consideration of the mutual promises and mutual benefits exchanged between the Parties, the Parties mutually agreed as follows:

1. Introduction

1.1 This Agreement and all exhibits hereto is made by OC San and the Supplier. The terms and conditions herein exclusively govern the purchase of Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution as described in Exhibit "A".

1.2 Exhibits to this Agreement are incorporated by reference and made a part of this Agreement as though fully set forth at length herein.

Exhibit "A" Scope of Work

Exhibit "B" Bid

Exhibit "C" Determined Insurance Requirement Form

Exhibit "D" OC San Safety Standards

Exhibit "E" Human Resources Policies

1.3 In the event of any conflict or inconsistency between the provisions of this Agreement and any of the provisions of the exhibits hereto, the provisions of this Agreement shall in all respects govern and control.

1.4 This Agreement may not be modified, changed, or supplemented, nor may any obligations hereunder be waived or extensions of time for performance granted, except by written instrument signed by both Parties.

1.5 The various headings in this Agreement are inserted for convenience only and shall not affect the meaning or interpretation of this Agreement or any section or provision hereof.

- 1.6 The term “days”, when used in the Agreement, shall mean calendar days, unless otherwise noted as workdays.
- 1.7 The term “workday”. Workdays are defined as all days that are not Saturday, Sunday, or OC San observed holidays. Meetings with OC San staff shall be scheduled from Monday through Thursday between the hours of 8 a.m. and 4 p.m. (exception is Operations staff who maintain plant operations 24 hours per day 7 days per week and work a rotated 12-hour shift) and shall conform to OC San work schedules.
- 1.8 OC San holidays (non-working days) are as follows: New Year’s Day, Martin Luther King, Jr. Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Day after Thanksgiving, Christmas Eve, and Christmas Day.
- 1.9 Work Hours: The work required under this Agreement may include normal business hours, evenings, and weekends.
- 1.10 Supplier shall provide OC San with all required premiums and/or overtime work at no charge beyond the total amount of the Agreement.
- 1.11 Except as expressly provided otherwise, OC San accepts no liability for any expenses, losses, or action incurred or undertaken by Supplier as a result of work performed in anticipation of purchases of said services by OC San.

2. Delivery

- 2.1 LOCATIONS: Deliveries shall be made in accordance with the Scope of Work, Exhibit “A”.
- 2.2 OC San will pay only for the actual quantity of Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution delivered, based upon certified tare weight and net weight. The quantity invoiced by Supplier and payable by OC San will be for the total net weight of Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution delivered (loaded gross weight minus the tare weight). Tare weight shall be determined immediately after each delivery and prior to cleaning, emptying, or clearing the delivery tank.
- 2.3 In accordance with Exhibit “A”, a bill of lading shall accompany all shipments.

3. **Possession** Ownership and control of all Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution delivered pursuant to this Agreement shall remain solely and exclusively with Supplier, until complete transfer of possession by delivery to OC San at the designated locations is made by Supplier.

4. Quantity

- 4.1 OC San makes no guarantee to actual use or quantity of Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution purchased. Use may be sporadic based on the wastewater treatment requirements unique to each treatment plant.
- 4.2 OC San will, through the term of this Agreement, purchase Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution from Supplier exclusively, except when OC San determines Supplier cannot make delivery within the time specified, with the quality and quantity specified, at the Agreement price, the level of Service is inadequate, OC San unapproved increase in rate or for any other default or breach of this Agreement. In such event, OC San may purchase Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution elsewhere and charge Supplier any difference in the delivered price to OC San from that provided in this Agreement, or

alternatively, OC San may terminate the Agreement based on said breach or failure to deliver the specified product. Quality control tests will be performed by OC San on the delivered Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution to ensure it is consistent with the requirements specified in Exhibit "A".

5. California Department of Industrial Relations Registration and Record of Wages

- 5.1 Pursuant to Labor Code sections 1720 et seq., and as specified in Title 8, California Code of Regulations section 16000, prevailing wages are required for all Work under this Agreement. It is Supplier's responsibility to interpret and implement any prevailing wage requirements and Supplier agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.
- 5.2 Supplier and its subcontractors shall comply with the registration requirements of Labor Code section 1725.5. Pursuant to Labor Code section 1771.4(a)(1), the Work is subject to compliance monitoring and enforcement by the California Department of Industrial Relations (DIR).
- 5.3 Pursuant to Labor Code section 1773.2, a copy of the prevailing rate of per diem wages is available upon request at OC San's principal office. The prevailing rate of per diem wages may also be found at the DIR website for prevailing wage determinations at <http://www.dir.ca.gov/DLSR/PWD>.
- 5.4 Supplier and its subcontractors shall comply with the job site notices posting requirements established by the Labor Commissioner per Title 8, California Code of Regulations section 16461(e). Pursuant to Labor Code sections 1773.2 and 1771.4(a)(2), Supplier shall post a copy of the prevailing rate of per diem wages at the job site.
- 5.5 Supplier and its subcontractors shall maintain accurate payroll records and shall comply with all the provisions of Labor Code section 1776. Supplier and its subcontractors shall submit payroll records to the Labor Commissioner pursuant to Labor Code section 1771.4(a)(3). Pursuant to Labor Code section 1776, the Supplier and its subcontractors shall furnish a copy of all certified payroll records to OC San and/or the general public upon request, provided the public request is made through OC San, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement of the Department of Industrial Relations. Pursuant to Labor Code section 1776(h), penalties for non-compliance with a request for payroll records may be deducted from progress payments.
- 5.5.1 As a condition to receiving payments, Supplier agrees to present to OC San, along with any request for payment, all applicable and necessary certified payrolls and other required documents for the time period covering such payment request. Pursuant to Title 8, California Code of Regulations section 16463, OC San shall withhold any portion of a payment, up to and including the entire payment amount, until certified payroll forms and any other required documents are properly submitted. In the event certified payroll forms do not comply with the requirements of Labor Code section 1776, OC San may continue to withhold sufficient funds to cover estimated wages and penalties under the Agreement.
- 5.6 The Supplier and any of its subcontractors shall comply with Labor Code section 1774 and section 1775. Pursuant to Labor Code section 1775, the Supplier and any of its subcontractors shall forfeit to OC San a penalty of not more than two hundred dollars (\$200) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the DIR for the work or craft in which the worker is employed for any Work.

- 5.6.1 In addition to the penalty, and pursuant to Labor Code section 1775, the difference between the prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the prevailing wage rate shall be paid to each worker by the Supplier or its subcontractor.
- 5.7 Supplier and its subcontractors shall comply with Labor Code sections 1810 through 1815. Supplier and its subcontractors shall restrict working hours to eight (8) hours per day and forty (40) hours per week, except that Work performed in excess of those limits shall be permitted upon compensation for all excess hours worked at not less than one and one-half (1.5) times the basic rate of pay, as provided in Labor Code section 1815. The Supplier shall forfeit, as a penalty to OC San, twenty-five dollars (\$25) per worker per calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of Labor Code sections 1810 through 1815.
- 5.8 Supplier and its subcontractors shall comply with Labor Code sections 1777.5, 1777.6, and 1777.7 concerning the employment of apprentices by Supplier or any subcontractor.
- 5.9 Supplier shall include, at a minimum, a copy of the following provisions in any contract it enters into with any subcontractor: Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860, and 1861.
- 5.10 Pursuant to Labor Code sections 1860 and 3700, the Supplier and its subcontractors will be required to secure the payment of compensation to employees. Pursuant to Labor Code section 1861, Supplier and its subcontractors, by accepting this Agreement, certify that:

“I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers’ compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Agreement.”

6. Pricing and Invoicing

- 6.1 Supplier will invoice for Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution delivered in accordance with Exhibit “A”, and in accordance with the unit price(s) listed in Exhibit “B”. Prices shall include all cartage and taxes except California State Sales Tax. The sales tax will be paid by OC San.
- 6.2 OC San shall pay, net thirty (30) days, upon receipt and approval by OC San of itemized invoices, submitted in a form acceptable to OC San to enable audit of the charges thereon. Supplier shall email invoices to OC San Accounts Payable at APStaff@ocsan.gov and “INVOICE” with the Purchase Order Number and Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution shall be referenced in the subject line. All invoices shall include a description of the delivery location, the delivery date, and the unit price(s).

7. Modifications

- 7.1 This Agreement may be modified or changed only by written instrument in the form of an amendment to this Agreement signed by both Parties.
- 7.2 Pricing modifications: The prices established in this Agreement shall remain firm for the Agreement term. Any adjustments made will allow for increases or decreases in the manufactured cost of Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution and will be based

upon OC San validated information furnished by Supplier and OC San sources. Adjustments will only be reviewed on an annual basis. OC San reserves the right to agree with or reject the proposed unit price increase or decrease.

7.3 Price changes may be made through the OC San Purchase Order Process.

8. **Agreement Term** The Services provided under this Agreement shall be completed one (1) year from the effective date of the Notice to Proceed.

9. **Renewals**

9.1 OC San may exercise the option to renew the Agreement for up to four (4) one-year periods. OC San shall make no obligation to renew nor give reason if it elects not to renew. The prices established in the original Agreement may be adjusted. The adjustment will allow for any increase or decrease in the manufactured cost of the Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution and will be based upon OC San validated information furnished by Supplier and OC San sources. Adjustments will only be reviewed on an annual basis. OC San reserves the right to agree with or reject the proposed unit price increase or decrease.

9.2 Renewals may be made through the OC San Purchase Order Process.

10. **Termination**

10.1 OC San reserves the right to terminate this Agreement for its convenience, with or without cause, in whole or in part, at any time, by written notice from OC San. Upon receipt of a termination notice, Supplier shall immediately discontinue all work under this Agreement (unless the notice directs otherwise). OC San shall thereafter, within thirty (30) days, pay Supplier for work performed (cost and fee) to the date of termination. Supplier expressly waives any claim to receive anticipated profits to be earned during the uncompleted portion of this Agreement. Such notice of termination shall terminate this Agreement and release OC San from any further fee, cost or claim hereunder by Supplier other than for work performed to the date of termination.

10.2 OC San reserves the right to terminate this Agreement immediately upon OC San's determination that Supplier is not meeting specification requirements for delivery of quantities needed, the level of service is inadequate, for poor quality of product, for OC San unapproved increase in unit price(s), or any other default or breach of this Agreement.

10.3 OC San may also immediately terminate for default of this Agreement in whole or in part by written notice to Supplier:

- if Supplier becomes insolvent or files a petition under the Bankruptcy Act; or
- if Supplier sells its business; or
- if Supplier breaches any of the terms of this Agreement; or
- if total amount of compensation exceeds the amount authorized under this Agreement.

10.4 All OC San property in the possession or control of Supplier shall be returned by Supplier to OC San upon demand, or at the termination of this Agreement, whichever occurs first.

11. **Indemnification and Hold Harmless Provision** Supplier shall assume all responsibility for damages to property and/or injuries to persons, including accidental death, which may arise out of or be caused by Supplier's services under this Agreement, or by its subcontractor or by anyone directly or indirectly employed by Supplier, and whether such

damage or injury shall accrue or be discovered before or after the termination of the Agreement. Except as to the sole active negligence of or willful misconduct of OC San, Supplier shall indemnify, protect, defend and hold harmless OC San, its elected and appointed officials, officers, agents and employees, from and against any and all claims, liabilities, damages or expenses of any nature, including attorneys' fees: (a) for injury to or death of any person or damage to property or interference with the use of property, arising out of or in connection with Supplier's performance under this Agreement, and/or (b) on account of any goods and services provided under this Agreement. This indemnification provision shall apply to any acts or omissions, willful misconduct, or negligent misconduct, whether active or passive, on the part of Supplier or of anyone employed by or working under Supplier. To the maximum extent permitted by law, Supplier's duty to defend shall apply whether or not such claims, allegations, lawsuits, or proceedings have merit or are meritless, or which involve claims or allegations that any of the parties to be defended were actively, passively, or concurrently negligent, or which otherwise assert that the parties to be defended are responsible, in whole or in part, for any loss, damage, or injury. Supplier agrees to provide this defense immediately upon written notice from OC San, and with well qualified, adequately insured, and experienced legal counsel acceptable to OC San. This section shall survive the expiration or early termination of the Agreement.

12. **Insurance** Supplier shall purchase and maintain, throughout the life of this Agreement and any periods of warranty or extensions, insurance in amounts equal to the requirements set forth in the signed Acknowledgement of Insurance Requirements, Exhibit "C". Supplier shall not commence work under this Agreement until all required insurance is obtained in a form acceptable to OC San, nor shall Supplier allow any subcontractor to commence service pursuant to a subcontract until all insurance required of the subcontractor has been obtained. Failure to maintain required insurance coverage shall result in termination of this Agreement.
13. **Equipment Loss** OC San will be responsible for any loss or damage to Supplier-owned equipment, when OC San determines OC San is at fault, only to the extent of OC San's fault, and will reimburse Supplier for such loss or damage upon receipt of invoices, minus a deduction for any amount determined to be the fault of Supplier or its subcontractor or a third party.
14. **Conflict of Interest and Reporting** Supplier shall at all times avoid conflict of interest or appearance of conflict of interest in performance of this Agreement.
15. **Supplier's Relationship to OC San** Supplier's relationship to OC San in the performance of this Agreement is that of an independent contractor. The personnel performing Services under this Agreement shall, at all times, be under Supplier's exclusive direction and control, and shall be employees of Supplier and not employees of OC San. Supplier shall pay all wages, salaries and other amounts due its employees in connection with this Agreement, and shall be responsible for all legal reports and obligations respecting them, such as social security, income tax withholding, unemployment compensation, worker's compensation and similar matters.
16. **OC San Safety Standards**
 - 16.1 In addition to the requirements set forth in Exhibit "A", Supplier shall meet with personnel from OC San's Risk Management Division prior to providing Services to OC San to review safety and accident prevention policies and procedures. All subcontractors should be present at this meeting. Supplier is responsible to inform all subcontractors of the items discussed at this meeting. Supplier shall not be permitted to provide Services to OC San

prior to this meeting.

- 16.2 OC San requires Supplier and its subcontractor(s) to follow and ensure their employees follow all Federal, State, and local regulations as well as OC San Safety Standards while working at OC San locations. If during the Agreement it is discovered that OC San Safety Standards do not comply with Federal, State, or local regulations, then the Supplier is required to follow the most stringent regulatory requirement at no additional cost to OC San. Supplier and all of its employees and subcontractors shall adhere to all applicable OC San Safety Standards attached hereto in Exhibit "D".
17. **Drug-Free Workplace** All employees of Supplier who will perform work under this Agreement must adhere to the California Drug-Free Workplace Act, Government Code Sections 8350 through 8357.
18. **Assignments** Neither this Agreement nor any interest herein or any claim hereunder may be assigned by Supplier either voluntarily or by operation of law, nor may all or substantially all of this Agreement be further subcontracted by Supplier without the prior written consent of OC San.
19. **Attorney's Fees** If any action at law or in equity is necessary to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled to reasonable attorney's fees, costs and necessary disbursements, in addition to any other relief to which it may be entitled.
20. **Permits, Ordinances and Regulations** Any and all fees required by Federal, State, County, City and/or municipal laws, codes and/or tariffs that pertain to work performed under the terms of this Agreement shall be paid by Supplier. Fees demanded for obtaining certificates, including associated inspection fees and expenses of regulatory inspectors shall be paid by Supplier.
21. **Training Certification** When required by regulation, certificates of training shall be maintained on-site for the duration of the activity that requires an employee of Supplier to be certified. Certificates shall be current. Lack of certificates when required will be cause for removal of offending personnel from the site, termination of the Agreement, or both.
22. **Compliance with Law** Supplier warrants that under the performance of this Agreement, it shall comply with all applicable Federal, State and local laws, and all lawful orders rules and regulations thereunder. In connection with the execution of this Agreement, Supplier shall not discriminate against employees or an applicant for employment because of race, religion, color, sex or national origin. Supplier shall take affirmative action to ensure that applicants are employed and employees are treated during their employment without regard to their race, religion, color, sex or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; lay-off or termination; rate of pay, or other forms of compensation; and selection for training, including apprenticeship.
23. **Disputes**
- 23.1 This Agreement shall be governed by and interpreted under the laws of the State of California and the Parties submit to jurisdiction in Orange County, in the event any action is brought in connection with this Agreement or the performance thereof. Pending final resolution of a dispute hereunder, Supplier shall proceed diligently with the performance of this Agreement and in accordance with OC San's decision.

- 23.2 In the event of a dispute as to the construction or interpretation of this Agreement, or any rights or obligations hereunder, the Parties shall first attempt, in good faith, to resolve the dispute by mediation. The Parties shall mutually select a mediator to facilitate the resolution of the dispute. If the Parties are unable to agree on a mediator, the mediation shall be conducted in accordance with the Commercial Mediation Rules of the American Arbitration Agreement, through the alternate dispute resolution procedures of Judicial Arbitration through Mediation Services of Orange County ("JAMS"), or any similar organization or entity conducting an alternate dispute resolution process.
- 23.3 In the event the Parties are unable to timely resolve the dispute through mediation, the issues in dispute shall be submitted to arbitration pursuant to California Code of Civil Procedure, Part 3, Title 9, Sections 1280 et seq. For such purpose, an agreed arbitrator shall be selected, or in the absence of Agreement, each party shall select an arbitrator, and those two (2) arbitrators shall select a third. Discovery may be conducted in connection with the arbitration proceeding pursuant to California Code of Civil Procedure Section 1283.05. The arbitrator, or three (3) arbitrators acting as a board, shall take such evidence and make such investigation as deemed appropriate and shall render a written decision on the matter in question. The arbitrator shall decide each and every dispute in accordance with the laws of the State of California. The arbitrator's decision and award shall be subject to review for errors of fact or law in the Superior Court for the County of Orange, with a right of appeal from any judgment issued therein.
- 24. Right to Review Services, Facilities, and Records**
- 24.1 OC San reserves the right to review any portion of the Services performed by Supplier under this Agreement, and Supplier agrees to cooperate to the fullest extent possible. Supplier shall furnish to OC San such reports, statistical data, and other information pertaining to Supplier's Services as shall be reasonably required by OC San to carry out its rights and responsibilities under its agreements with its bondholders or noteholders and in connection with the issuance of its official statements and other prospectuses with respect to the offering, sale, and issuance of its bond and other obligations.
- 24.2 The right of OC San to review or approve specifications, procedures, instructions, reports, test results, calculations, schedules, or other data that are developed by Supplier shall not relieve Supplier of any obligation set forth herein.
- 25. Severability** Any provision of this Agreement which is found to be invalid or unenforceable shall be ineffective to the extent of such invalidity or unenforceability, and the invalidity or unenforceability of such provision shall not affect the validity or enforceability of the remaining provisions hereof.
- 26. Waiver** The waiver of either party of any breach or violation of, or default under, any provision of this Agreement, shall not be deemed a continuing waiver by such party of any other provision or of any subsequent breach or violation of this Agreement or default thereunder.
- 27. Breach** Any breach by Supplier to which OC San does not object shall not operate as a waiver of OC San to seek remedies available to it for any subsequent breach.
- 28. South Coast Air Quality Management District's (SCAQMD) Requirements** It is Supplier's responsibility that all equipment furnished and installed be in accordance with the latest rules and regulations of the South Coast Air Quality Management District (SCAQMD). All work practices, which may have associated emissions such as sandblasting, open field

29. **Performance** Time is of the essence in the performance of the provisions hereof.

30. **Familiarity with Work** By executing this Agreement, Supplier warrants that: a) it has investigated the work to be performed; (b) it understands the facilities, difficulties, and restrictions of the work under this Agreement; and (c) it has examined the site of the work and is aware of all conditions at the site. Should Supplier discover any latent or unknown conditions materially differing from those inherent in the work or as represented by OC San, it shall immediately inform OC San of this and shall not proceed, except at Supplier's risk, until written instructions are received from OC San.

31. **Damage to OC San's Property** Any OC San property damaged by Supplier, its subcontractor(s), or by the personnel of either will be subject to repair or replacement by Supplier at no cost to OC San.

32. **Third Party Rights** Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than OC San and Supplier.

33. **Authority to Execute** The persons executing this Agreement on behalf of the Parties warrant that they are duly authorized to execute this Agreement and that by executing this Agreement, the Parties are formally bound.

34. **Read and Understood** By signing this Agreement, Supplier represents that it has read and understood the terms and conditions of the Agreement.

35. **Entire Agreement** This Agreement constitutes the entire agreement of the Parties and supersedes all prior written or oral and all contemporaneous oral agreements, understandings, and negotiations between the Parties with respect to the subject matter hereof.

36. **Notices** All notices under this Agreement must be in writing. Written notice shall be sent by registered or certified mail, postage prepaid, return receipt requested, or by any other overnight delivery service which delivers to the noticed destination and provides proof of delivery to the sender. Any facsimile notice must be followed within three (3) days by written notice. All notices shall be effective when first received at the following addresses:

Specification No. C-2023-1417BD

IN WITNESS WHEREOF, intending to be legally bound, the Parties hereto have caused this Agreement to be signed by their duly authorized representatives.

ORANGE COUNTY SANITATION DISTRICT

Dated: _____

By: _____
Chad P. Wanke
Chair, Board of Directors

Dated: _____

By: _____
Kelly A. Lore
Clerk of the Board

Dated: _____

By: _____
Ruth Zintzun
Finance & Procurement Manager

[SUPPLIER]

Dated: _____

By: _____

Print Name and Title of Officer

JSK:

EXHIBIT A
SCOPE OF WORK
For
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution

EXHIBIT A
SCOPE OF WORK
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution
SPECIFICATION NO. C-2023-1417BD

1. Introduction

The Orange County Sanitation District (OC San) uses fifty percent (50%) Sodium Hydroxide- NaOH Solution (Sodium Hydroxide or Caustic Soda) for odor control in OC San's wastewater collection system. This is accomplished by delivering and injecting fifty percent (50%) Sodium Hydroxide directly into sewer maintenance holes (Slug Dosing) at strategic locations. The Sodium Hydroxide minimizes the number of sulfides generated in the wastewater and, therefore, reduces the concentration of odor-causing gaseous hydrogen sulfide.

2. Physical and Chemical Properties

A. Sodium Hydroxide or Caustic Soda is a clear, odorless, to slightly turbid liquid with the following properties:

Molecular Formula	NaOH
Molecular Weight	40.01
Specific Gravity	1.53 g/ml (50°A» solution, 60F)
Bulk Density	12.76 lbs./gal
pH	14.0@ 7.5%
Freezing Point	solution 12°C;
Boiling Point	53.6°F 140°C

B. Chemical Specifications

Total Alkalinity (as Na2O)	37.6% - 39.5°A»
Hydroxide Alkalinity (NaOH)	49.0% -
51.0%Sodium Carbonates (Na2CO3)	0.20% max
Sodium Chlorides (NaCl)	1.3% max
Sodium Sulfate (Na2SO4)	0.05% max
Iron (Fe)	9.0 ppm max
Nickel (Ni)	3.0 ppm max

All percentages and ppm values are expressed on a weight-by-weight fifty percent (50%) solution basis.

- C. Prior to the start of the Agreement period, the Supplier shall furnish a Safety Data Sheet (SDS) for the fifty percent (50%) Sodium Hydroxide aqueous solution to be furnished.

3. **Hazardous Material**

A copy of the SDS shall accompany each shipment of the product to OC San. The product shall be delivered in a tanker truck labeled according to the Department of Transportation (DOT) and other regulatory requirements.

4. **Safety**

- A. Supplier shall attend a kick-off meeting with personnel from OC San's Risk Management and Safety Division prior to the start of the Agreement period. OC San requires personal protective equipment to be worn in accordance with Exhibit D, OC San Safety Standards, at all times while on OC San premises. Face shields may also be required to be worn when working around pressured chemical systems at connections, disconnections, adjustments, and observations. It is the responsibility of the Supplier to inform the delivery truck drivers of this obligation and train them in these requirements. Whether Supplier-owned or subcontracted, for purposes of this Agreement, the trucks are assumed to be and referred to as Supplier's trucks and vehicles.
- B. Supplier shall perform loading, transport, and discharge of Caustic Soda in full compliance with all applicable Cal-OSHA; Code of Federal Regulations, Title 49; Department of Transportation; California Department of Motor Vehicles; and the Federal Motor Vehicle Safety Standard codes and regulations. Each truck driver shall wear all necessary personal protective equipment in accordance with Exhibit D, the OC San Safety Standards. Safety equipment supply and disposal is the Supplier's responsibility. Each truck shall carry a portable eye wash station, and thirty-two ounces (32oz) squeeze bottle designed to flush the driver's eyes or skin with a sterile solution suitable for the treatment of caustic exposure. The driver shall position the squeeze bottle close to their working area while preparing to discharge and while discharging the Caustic Soda load. The Supplier's trucks shall also carry sandbags or other suitable containment and a one (1)-gallon pail of dry sodium bicarbonate to contain and neutralize small spills.
- C. Supplier shall submit to OC San a Spill Prevention Plan addressing Supplier's standard operating procedures pertaining to small and large spills and mitigation of same for review and acceptance by OC San. Authorization to perform any work under the Agreement is contingent upon OC San's acceptance of the Supplier's Spill Prevention Plan. The Spill Prevention Plan shall be submitted within thirty (30) calendar days from issuing the award of the Agreement.
- D. Each of the Supplier's trucks shall be equipped with a radio capable of communicating with the Supplier's base station or a cellular telephone to ensure timely communication during an emergency.

- E. All personnel and subcontractors of the Supplier conducting loading or off-loading of chemicals and hazardous materials must wear all required personal protective equipment in accordance with Exhibit D of the OC San Safety Standards. A chemical protective suit or protective coveralls with hood, safety goggles, protective face shield, chemical protective work boots, and gloves must be put on before work begins and doffed after completing all the work.
- F. Availability of Fresh Water for Driver/ Operator Safety: For deliveries in the collections system, the Supplier shall provide a portable, self- contained water station for operator safety that will comply with Cal- OSHA regulations.
- G. In the event of an EMERGENCY, if using a cellular phone, drivers will immediately call OC San's Control Center or Operations Center for assistance at the following numbers:
 - Plant No.1 at (714) 593-7025
 - Plant No. 2 at (714) 593-7625

5. Product, Requirements, and Procedures

- A. A bill of lading shall accompany all shipments and state the delivered weight, delivered gallons, the specific gravity of the product being shipped, the percentage of Sodium Hydroxide, the SOS sheet, and the pH value of the delivered solution.
- B. The product supplied shall be of new manufacture and shall not be a reconstituted, reclaimed, or spent product. Said product shall be clean and free from all dirt, wood, and plastic particulate matter, which could cause pumping failure. It shall contain no foreign substances, organic or inorganic, in injurious quantities. An injurious quantity shall be defined as the minimum amount capable of producing ill effects in the treatment plant process, in the receiving water, in sludge quality, or causing OC San to exceed its National Pollutant Discharge Elimination System (NPDES) requirements or does not conform with the quality criteria outlined above in Section 2 of this Scope of Work. Inorganic and organic impurities shall be determined by the procedures described in the latest edition of Standard Methods for the Examination of Water and Wastewater. OC San reserves the right to reject a load or terminate the Agreement if the stated requirements are not met.
- C. OC San does not guarantee any minimum or maximum usage of Sodium Hydroxide solution, but it is estimated that the annual usage for the collection system, by direct dumping into the trunklines, will be nine hundred ninety-five (995) dry tons of fifty percent (50%) Sodium Hydroxide. The quantity mentioned is an estimate only, based on past and expected usage. The delivery amounts will generally be ordered in one thousand (1,000) to four thousand (4,000) gallon lots.

- D. OC San reserves the right to order "short" or "split" orders. Split orders will be split between two (2) or more locations within the collections system.
- E. The Supplier shall use a manual control valve and supply 20 feet of 3-inch diameter hose to accurately control the discharge of Caustic Soda from each of the trucks or trailers. The Supplier shall discharge the entire full load or split load of fifty percent (50%) Caustic Soda at a controlled, constant rate of 100 gallons per minute (GPM) for approximately thirty (30) minutes.
- F. According to the DOT, the Supplier shall certify that the chemicals named above are properly classified, described, marked, labeled, and in proper transportation condition.
- G. The Supplier shall provide qualified drivers to operate the delivery trucks. Each driver must possess a valid Class A driver's license with a hazardous materials endorsement. Drivers must be fully trained about the hazardous nature of the Caustic Soda being transported.

6. Collection System Delivery Procedures

- A. OC San Collections has outlined its standard operating procedure (SOP) (Appendix A-1) for the designated bulk chemicals. Scheduled deliveries will be made Monday through Friday during daylight hours. OC San will give the Supplier forty-eight (48) hours of advanced notice prior to all deliveries. OC San reserves the right to place and cancel orders in emergency situations whereby OC San will give the Supplier twenty-four (24) hours advanced notice.
- B. OC San shall provide traffic control if necessary. It is the intent of OC San to select off-loading sites away from heavy traffic areas.
- C. The Supplier shall provide flow metering instrumentation for each delivery. Flow meters shall be installed based on manufacturer specifications. During the process, the chemical is unloaded from the tanker truck into the service manhole through a metering device connected to a discharge hose. The Supplier shall ensure that safety measures, such as external support, are provided to avoid potential risk for accident, as appropriate.
- D. At the time of all deliveries, the Supplier shall provide all the necessary, fully trained, and qualified personnel to be in continuous attendance during the transfer of Sodium Hydroxide.
- E. OC San staff will act as observers during connection, unloading, and disconnection. The Supplier's personnel shall provide one (1) copy of the bill of lading to OC San staff prior to connection. Included in the bill of lading is an SDS.

- F. The Supplier shall provide all necessary safety equipment required by the Supplier or the subcontract hauler in accordance with Exhibit D, the OC San Safety Standards.
- G. Supplier shall provide, prior to commencing any work under the Agreement, the name and telephone number of at least one (1) primary contact and one (1) secondary contact available twenty-four (24) hours per day, seven (7) days per week of qualified personnel who can be contacted in the event of an emergency. The Supplier will be responsible for updating any changes to the contacts.
- H. The Supplier shall provide OC San with the name and telephone number of the primary contact available twenty-four (24) hours per day, seven (7) days per week of the Sodium Hydroxide hauling company. Chemical deliveries will be refused for any of the following reasons:
 - (a) Incorrect chemical sample color or appearance;
 - (b) Unsafe delivery vehicle off-loading equipment; or
 - (c) Chemical not in compliance with this Scope of Work.
- I. **Off-loading Time** – Upon arrival at the designated delivery sites within OC San's service area, an off-loading time shall be a minimum of thirty (30) to sixty (60) minutes maximum, or as specified by OC San staff. This requirement is mandatory to ensure the effectiveness of the treatment process.
- J. **Late Deliveries:** Supplier shall reimburse OC San at an agreed fee of one hundred dollars (\$100.00) per half ($\frac{1}{2}$) hour for later deliveries to the sewer system locations. There will be a delivery window of fifteen (15) minutes, and late fees will be triggered thirty (30) minutes after the end of the fifteen (15) minutes window and every half ($\frac{1}{2}$) hour increments after that. The late fee schedule will also apply to OC San. OC San will consider waiving the late fee if it can be verified that there was an accident, sig alert, freeway closure, etc., with delays over thirty (30) minutes. Other scenarios will be considered on a case-by-case basis. If the delivery is known to be late, the Supplier shall attempt to notify OC San's point of contact of the delay. The Supplier may notify OC San up to twenty-four (24) hours prior to the scheduled delivery to avoid a late fee. Due to traffic control and staff coordination, last-minute changes are typically not possible.
- K. In the event of an EMERGENCY, refer to Section 4G of this Scope of Work.
- L. **Payment:** Payment shall be based on the actual amount of dry product (Sodium Hydroxide) delivered. At a minimum, invoices shall include a description of the delivery location, the delivery date, the unit price, the weight of the product delivered, the percent solution, and any other parameters used to determine the shipment cost. Invoices shall include a copy of each bill of lading and the Purchase Order number for each delivery invoiced.

7. Collection System Locations

A. The Supplier will be required to off-load the solution directly into selected manholes (Slug Dosing). These manhole locations may be anywhere within the OC San service area. Current delivery locations in the collection system manholes include, but are not limited to, the following locations:

1. City of Buena Park: Franklin Street and Kingman Avenue
2. City of Buena Park: Two locations on Dodds Avenue, South of Stage Road
3. City of Buena Park: Caballero Boulevard and Descanso Avenue
4. City of Buena Park: Orangethorpe Avenue and McNeil Lane
5. City of Buena Park: Thomas Street and Kass Drive
6. City of Newport Beach: Marguerite Avenue and 5th Avenue
7. City of Newport Beach: Near Bayside Drive and Larkspur Avenue
8. City of Cypress: Hope Street and Phyllis Drive
9. City of Costa Mesa: Red Hill Avenue and Sky Park Circle
10. City of Costa Mesa: Red Hill Avenue and W. Bell Avenue
11. City of Fullerton: Orangethorpe Avenue and Jefferson Avenue
12. City of Fullerton: Roosevelt Avenue and Houston Avenue
13. City of Anaheim: Woodland and Electric
14. City of Fullerton: Yorba Linda Boulevard and Almira Avenue
15. City of Fullerton: Rolling Hills Drive and St. College Boulevard
16. City of Garden Grove: Trask Avenue and Barnett Way
17. City of Huntington Beach: Golden West Street and Orange Circle
18. City of Huntington Beach: Washington Drive and Lyndon Lane
19. City of Huntington Beach: Ernest Drive and Stewart Lane
20. City of Huntington Beach: Clear Harbor Drive and Delaware Street
21. City of Huntington Beach: Beach Parking and Huntington Drive
22. City of Huntington Beach: Los Patos Avenue and Sandra Lee Lane
23. City of Huntington Beach: Bolsa Chica Street and Dorado Drive
24. City of Irvine: White Road and McCabe Way
25. City of Irvine: Myford Road and Michelle Drive
26. City of La Palma: Denni Street and Robin Drive
27. City of Santa Ana: Dyer Road and Main Street
28. City of Seal Beach: Seal Beach Boulevard and Electric Avenue

8. Staff Assistance

The Supplier will be assigned a single point of contact on this Agreement. The contract manager shall schedule and approve any meetings or correspondence related to this Agreement.

EXHIBIT B
BID PRICE
For
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution

Bid Results

Bidder Details

Vendor Name	Brenntag Pacific, Inc,
Address	10747 Patterson Place Santa Fe Springs, California 90670 United States
Respondee	Laura Tua
Respondee Title	Municipal Bid Manager
Phone	562-903-9626
Email	ltua@brenntag.com
Vendor Type	
License #	
CADIR	

Bid Detail

Bid Format	Electronic
Submitted	08/07/2023 5:18 PM (PDT)
Delivery Method	
Bid Responsive	Yes
Bid Status	Submitted
Confirmation #	341038

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
final Caustic bid C-2023-1417BD.pdf	final Caustic bid C-2023-1417BD.pdf	Exhibits C, G, H, K, L, M

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution. Total delivered cost based on estimated 995 Dry Tons usage, delivered (F.O.B. Destination), excluding applicable sales tax. OC San does not guarantee usage.							\$672,620.0000		
1	1		Unit Price Per Dry Ton (Excluding Applicable sales tax)	Dry Ton	995	\$676.0000	\$672,620.0000	Yes	
2	2		Freight Per Dry Ton	Dry Ton	995	\$0.0000	\$0.0000	Yes	

Line Item Subtotals

Section Title	Line Total
Sodium Hydroxide (NaOH) (Caustic Soda) 50% Solution. Total delivered cost based on estimated 995 Dry Tons usage, delivered (F.O.B. Destination), excluding applicable sales tax. OC San does not guarantee usage.	\$672,620.0000
Grand Total	\$672,620.0000