

**CHEMICAL SUPPLIER AGREEMENT**  
**Purchase of Liquid Cationic Polymer**  
**Specification No. SSJ#2808**

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 Polydyne, Inc. (hereinafter referred to as "Supplier"), and collectively referred to herein as the "Parties."

**RECITALS**

WHEREAS, OC San desires to temporarily engage Supplier to provide Liquid Cationic Polymer as described in Exhibit "A"; and

WHEREAS, Supplier submitted its Offer dated April 19, 2024; and

WHEREAS, on September 25, 2024 OC San's Board of Directors, by minute order, authorized execution of this Agreement.

WHEREAS, OC San has chosen Supplier to provide Liquid Cationic Polymer in accordance with OC San's current Purchasing Ordinance; 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 Liquid Catinoic Polymer 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" Offer Letter  
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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 Liquid Cationic Polymer 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](mailto:APStaff@ocsan.gov) and “INVOICE” with the Purchase Order Number and Liquid Cationic Polymer 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 Liquid Cationic Polymer 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 for the period of one (1) year commencing on February 1, 2025 and continuing through January 31, 2026.

## **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 Liquid Cationic Polymer 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 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 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 spray painting or demolition of asbestos containing components or structures, shall comply with the appropriate rules and regulations of the SCAQMD.

**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: 1) it has investigated the work to be performed; [and] (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:

OC San: Jackie Lagade  
Purchasing Supervisor  
Orange County Sanitation District  
18480 Bandilier Circle  
Fountain Valley, CA 92708  
[jlagade@ocsan.gov](mailto:jlagade@ocsan.gov)

Supplier: Boyd Stanley  
Vice President  
Polydyne, Inc.  
1 Chemical Plant Road  
Riceboro, GA 31323  
[bids@polydyneinc.com](mailto:bids@polydyneinc.com)

[Intentionally left blank. Signatures follow on next page.]

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: \_\_\_\_\_  
Ryan P. Gallagher  
Chair, Board of Directors

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
Kelly A. Lore  
Clerk of the Board

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
Kevin Work  
Purchasing & Contracts Manager

**POLYDYNE, INC.**

Dated: \_\_\_\_\_

By: \_\_\_\_\_  
\_\_\_\_\_  
Print Name and Title of Officer

JL

**SCOPE OF WORK  
PURCHASE OF LIQUID CATIONIC POLYMER  
SPECIFICATION NO. SSJ#2808**

**1 Purpose**

Orange County Sanitation District (OC SAN) has two treatment plants. Plant 1 is located at 10844 Ellis Avenue, Fountain Valley, CA 92708. Plant 2 is located at 22212 Brookhurst Street, Huntington Beach, CA 92646. Cationic polymer is used at both plants. The scope of work provides background information of the thickening and dewatering processes, and criteria for product and delivery of cationic polymer.

**2 Background Information**

Cationic polymer is used to thicken blended primary sludge and secondary waste activated sludge (WAS) for the thickening centrifuges at Plant 1. It is used to thicken WAS and Waste Secondary Sludge (WSS) for the Dissolved Air Flotation Thickeners (DAFTs) at Plant 2. Cationic polymer is also used to dewater anaerobically digested sludge in dewatering centrifuges at Plants 1 and 2.

**Plant 1 Thickening**

Neat emulsion polymer is diluted through a makedown unit to a concentration of 0.5% active polymer and conveyed to an aging tank. After aging, the polymer solution is pumped to the thickening centrifuges. The estimated polymer dosage rate is 6 active pounds of polymer per ton of dry solids (active lb./dt).

**Plant 2 Thickening**

Neat emulsion polymer is diluted through a polymer blending unit to a concentration of 0.2% to 0.5% and conveyed to an aging tank. After aging, the polymer solution is pumped to the DAFTs. The estimated polymer dosage rate is 4 active lb./dt.

**Plant 1 Dewatering**

Neat emulsion polymer is diluted through a makedown unit to a concentration of 0.5% active polymer and conveyed to an aging tank. After aging, the polymer solution is pumped to the dewatering centrifuges. The estimated polymer dosage rate is 21 active lb./dt.

**Plant 2 Dewatering**

Neat emulsion polymer is diluted through a polymer blending unit to a concentration of 0.5% active polymer and conveyed to an aging tank. After aging, the polymer solution is pumped to the dewatering centrifuges. The estimated polymer dosage rate is 16 active lb./dt.

**3 Performance Targets and Criteria**

Tables 1 and 2 identify the criteria, including minimum performance targets, for polymers to meet in thickening and dewatering units.

*Table 1. Cationic Polymer for Thickening Processes*

Unit	Thickened %TS	TSS % Capture	Polymer Type	Usage* (active lbs./year)	Minimum % Active
Plant 1 Thickening Centrifuge	6%	95%	Emulsion	391,000	42.0%
Plant 2 DAFT	7%	95%	Emulsion	32,000	42.0%

*Table 2. Cationic Polymer for Dewatering Processes*

Unit	Cake %TS	TSS % Capture	Polymer Type	Usage* (active lbs./year)	Minimum % Active
Plant 1 Dewatering Centrifuge	24%	95%	Emulsion	734,000	42.0%
Plant 2 Dewatering Centrifuge	28%	95%	Emulsion	358,000	42.0%

\*OC SAN does not guarantee polymer usage or quantity of polymer purchased. Estimate is provided only and is based on 2023 calendar year usages. Use may be sporadic and is based on treatment requirements unique to each plant.

#### **4 Product Certification**

A Certificate of Analysis must accompany each shipment and be provided to OC SAN Operations staff upon arrival. A certified analysis is defined as a statement signed by the manufacturer or supplier's representative declaring the product delivered meets the criteria in this scope of work. OC SAN reserves the right to reject deliveries if the stated requirements are not met. Repeated deviations may be used as grounds for terminating the Agreement.

#### **5 Bills of Lading**

Bills of Lading must be labeled with the following information for the delivery to be accepted:

- Product name
- Gross, tare, and net weight
- Shipping Date
- Shipping Location

If the above information is not on the Bill of Lading, offloading will not take place without confirmation from OC SAN Operations team member that the shipment is the product ordered.

## 6 Product Sample Delivery

OC SAN reserves the right to randomly test any product load or request a sample separate from product delivery. The sample shall be collected in a clean 500 mL plastic container with leak free lid. The bottle shall have a label with the following information:

- Delivery Location
- Shipper Number
- Delivery Date
- Minimum % Total Solids to be Delivered
- % Volatile Solids
- % Active Polymer
- Viscosity (cP) range
- Molecular Weight
- Charge Density

The above analysis information must be accompanied by a reference test procedure. The analysis procedure must be in accordance with Standard Methods and be acceptable to OC SAN. The minimum % total solids, as stated above, will be the minimum specification to be used for billing and product quality determinations.

Failure to provide any of the above requested information may cause OC SAN to reject the load.

## 7 Safety

1. Supplier shall attend a Contractor Safety Orientation (CSO) with OC SAN's Risk Management Division personnel before starting the Agreement period. OC SAN requires personal protective equipment (PPE) to be worn per OC SAN Contractor Safety Standards, which includes safety footwear, hard hats, safety glasses, pants, and sleeved shirts. During chemical delivery process, the Supplier shall adhere to the chemical PPE required by the safety data sheet (SDS) or Supplier safety standards, whichever is more stringent. Supplier must inform the delivery truck drivers of this obligation and train them in these requirements. Whether the truck is owned by the Supplier or subcontracted, for purposes of this Agreement, the trucks are assumed to be and referred to as Supplier's trucks, and the responsibilities herein are held by the Supplier.
2. Supplier shall load, transport, and discharge cationic polymer in full compliance with all applicable Cal-OSHA, Department of Transportation (DOT), California Department of Motor Vehicles (DMV) and the Federal Motor Vehicle Safety Standard codes and regulations.
3. Supplier shall submit a Spill Prevention Plan to OC SAN for review and acceptance, addressing Supplier's standard operating procedures on small and large chemical spill mitigation. Authorization to perform any work under the Agreement is contingent upon OC SAN's approval of the Supplier's Spill Prevention Plan. The Spill Prevention Plan shall be submitted within thirty (30) calendar days of the Agreement commencement.
4. To ensure timely communication during an emergency, 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.
5. The Supplier shall submit a copy of their written, Injury and Illness Prevention Program (IIPP). The IIPP must address responsibility, compliance, communication, hazard

assessment, incident investigation, hazard correction, and training as required by Title 8, California Code of Regulations, Section 3203.

6. All chemicals brought onsite shall be accompanied with a safety data sheet (SDS). The Supplier must store and use those chemicals in accordance with the SDS and manufacturer instructions. The Supplier shall provide a copy of the SDS to OC SAN. The Supplier shall be familiar with the location of the nearest Sanitation District emergency shower/eye wash system.
7. The Supplier shall immediately report any spills, incidents, or emergencies to the Control Center.

## **8 Deliveries**

1. OC SAN Operations Division 830/840 has outlined its standard operating procedure for the designated bulk chemicals delivered to the treatment plants in Appendix A-1, "Bulk Chemical Delivery Procedure for Contract Drivers."
2. OC SAN staff shall notify Supplier when to provide the delivery. A method of communication for subsequent deliveries shall be clarified.
3. OC SAN reserves the right to request cationic polymer on a schedule convenient to the needs of the treatment plants. Deliveries can be made seven (7) days a week and received between the hours of 7:00 am and 4:00 pm Pacific Standard Time, or as required. Under normal conditions, OC SAN will give the Supplier at least forty-eight (48)-hour notice before all deliveries. OC SAN reserves the right to request twenty-four (24) hour deliveries in case of plant emergencies. Such expedited deliveries will be provided at no additional cost to OC SAN.
4. For special cases, shipment diversion shall occur between both plants on the day of a delivery at no additional cost to OC SAN. For example, 60% of a delivery to Plant 1 and the remainder 40% sent to Plant 2.
5. OC SAN's plant gates are staffed with security guards on a twenty-four (24)-hour per day basis to check visitors into the plants and for staff protection. The security staff will be opening the gate for the delivery vehicles. Should the security staff be absent, the gates are equipped with intercoms to announce arrivals. Please follow the instructions – DO NOT BLOW HORNS.
6. At the time of all deliveries, the Supplier shall provide all the necessary, fully trained, and qualified personnel to be in continuous attendance during chemical transfer.
7. Supplier shall provide all the necessary equipment required by the Supplier or the contract hauler.
8. Supplier shall provide a twenty-four (24)-hour telephone number where qualified personnel can be contacted in an emergency. The Supplier will be responsible for updating any changes or phone numbers.
9. The driver is responsible for the cleanup of spilled material. Cleanup must conform with OC SAN's safety procedures, EPA, regional, local regulations and ordinances, and product manufacturers' recommended cleanup procedures. The Supplier must furnish neutralizing agents, special equipment, or chemicals required for cleanup. OC SAN can only provide plant water for use by the driver.
10. Supplier shall deliver to either Plant 1 or Plant 2 as ordered:

- a. Plant 1 is located at 10844 Ellis Avenue, Fountain Valley, CA 92708
  - b. Plant 2 is located at 22212 Brookhurst Street, Huntington Beach, CA 92646
- 11. The Supplier shall provide OC SAN with the name of the chemical hauling company and safety-related provisions set forth between the Supplier and the hauling company.
  - 12. Supplier shall allow a two (2) to three (3)-hour unloading time for each delivery.
  - 13. OC SAN reserves the right to reject deliveries if the stated requirements are not met.

## **9 Kick-Off Meeting**

Supplier shall attend a kick-off meeting with OC SAN's Contracts, Purchasing, and Materials Management Division, Risk Management Division, and Operations Division prior to starting the agreement period.

## **10 Polymer Optimization**

On-site testing for polymer optimization shall be provided at no cost to OC SAN. OC SAN shall coordinate with Supplier for scheduled dates to perform testing. The Supplier shall bring any required materials and equipment to perform the testing.

## **Appendix A-1**

### **Bulk Chemical Delivery Procedure for Contract Drivers**