

**SERVICES CONTRACT
PEPS PUMP #1, #2, AND #3 OVERHUAL AT PLANT 2
Specification No. MP2-0010**

This SERVICES CONTRACT (hereinafter referred to as "Contract"), 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 Vaughan's Industrial Repair Co., Inc. (hereinafter referred to as "Contractor"), and collectively referred to herein as the "Parties."

RECITALS

WHEREAS, OC San desires to obtain the services of Contractor for the overhaul of three Primary Effluent Pump Station (PEPS) pumps ("Services") as described in Exhibit "A" attached hereto and incorporated herein by this reference; and

WHEREAS, Contractor is qualified to perform the Services by virtue of experience, training, education, and expertise; and

WHEREAS, OC San desires to engage Contractor to provide the Services; and

WHEREAS, OC San selected Contractor to provide the Services in accordance with Ordinance No. OC SAN-61; and

WHEREAS, on September 27, 2023, OC San's Board of Directors by minute order, authorized execution of this Contract.

NOW, THEREFORE, in consideration of the above recitals and the mutual promises and benefits specified below, the Parties agree as follows:

1. General.

1.1 This Contract and all exhibits hereto are made by OC San and the Contractor.

1.2 The following exhibits are incorporated by reference and made part of this Contract.

Exhibit "A" – Scope of Work
Exhibit "B" – Quote
Exhibit "C" – Determined Insurance Requirement Form
Exhibit "D" – Contractor Safety Standards
Exhibit "E" – Human Resources Policies
Exhibit "F" – General Conditions

1.3 In the event of any conflict or inconsistency between the provisions of the Contract and any of the provisions of the exhibits hereto, the provisions in the document highest in precedence shall be controlling. The order of precedence of the applicable documents is set forth below:

- a. Services Contract
- b. Exhibit "A" – Scope of Work
- c. Permits and other regulatory requirements
- d. Exhibit "C" – Determined Insurance Requirement Form
- e. Exhibit "F" – General Conditions

- f. Exhibit "D" – Contractor Safety Standards
- g. Exhibit "B" – Quote
- 1.4 Except as expressly provided otherwise, OC San accepts no liability for any expenses, losses, or actions incurred or undertaken by Contractor as a result of work performed in anticipation of providing the Services to OC San.
- 1.5 Work Hours: All work shall be scheduled Monday through Friday, between the hours of 7:30 a.m. and 4:30 p.m.
- 1.6 Days: Shall mean calendar days, unless otherwise noted.
- 1.7 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.
- 1.8 Work: Shall mean all work, labor, and materials necessary to provide the Services.
- 1.9 The provisions of this Contract may be amended or waived only by an amendment executed by authorized representatives of both Parties.
- 1.10 The various headings in this Contract are inserted for convenience only and shall not affect the meaning or interpretation of this Contract or any paragraph or provision hereof.

2. Scope of Work.

- 2.1 Contractor shall provide the Services identified in Exhibit "A" in accordance with generally accepted industry and professional standards.
- 2.2 Modifications to Scope of Work. OC San shall have the right to modify the Scope of Work at any time. All modifications must be made by an amendment signed by both Parties and consistent with Exhibit "F" - General Conditions (General Conditions), including the sections entitled REQUEST FOR CHANGE (CHANGES AT CONTRACTOR'S REQUEST) and OWNER INITIATED CHANGES.
- 2.3 Familiarity with Work. By executing this Contract, Contractor warrants that: (a) it has investigated the work to be performed; (b) it understands the facilities, difficulties, and restrictions of the work under this Contract; and (c) it has examined the site of the work and is aware of all conditions at the site. Should Contractor discover any latent or unknown condition 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 Contractor's risk, until written instructions are received from OC San.
- 2.4 Performance. Time is of the essence in the performance of the provisions hereof.

3. Contract Term.

- 3.1 The Services, shall be completed by October 15, 2026, commencing from the effective date of the Notice to Proceed.
- 3.2 Extensions. The term of this Contract may be extended only by an amendment signed by both Parties and consistent with the General Conditions, including the section entitled EXTENSION OF TIME FOR DELAY.

4. Compensation.

- 4.1 As compensation for the Services provided under this Contract, OC San shall pay Contractor a total amount not to exceed Six Hundred Nineteen Thousand Seven Hundred Seventy-Three Dollars and Seventy-One Cents (\$619,773.71).
- 4.2 Contractor shall provide OC San with all required premiums and/or overtime work at no charge beyond the amount specified above.

5. Payments and Invoicing.

- 5.1 OC San shall pay itemized invoices for work completed in accordance with Milestone Schedule listed in Exhibit "A", net thirty (30) days from receipt of the invoice and after approval by OC San's Project Manager or designee. OC San shall be the determining party, in its sole discretion, as to whether the Services have been satisfactorily completed.
- 5.2 Contractor shall submit its invoices to OC San Accounts Payable by electronic mail to APStaff@OCSan.gov. In the subject line, include "INVOICE" and the Purchase Order Number.
- 5.3 The invoices shall be consistent with the General Conditions, including the section entitled PAYMENT FOR WORK.

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

- 6.1 To the extent Contractor's employees and/or its subcontractors perform work related to this Contract for which Prevailing Wage Determinations have been issued by the California Department of Industrial Relations (DIR) as more specifically defined under Labor Code section 1720 et seq., prevailing wages are required to be paid for applicable work under this Contract. It is Contractor's responsibility to interpret and implement any prevailing wage requirements and Contractor agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.
- 6.2 Contractor 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).
- 6.3 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>.
- 6.4 Contractor 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), Contractor shall post a copy of the prevailing rate of per diem wages at the job site.
- 6.5 Contractor and its subcontractors shall maintain accurate payroll records and shall comply with all the provisions of Labor Code section 1776. Contractor 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 Contractor 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.

- 6.5.1 As a condition to receiving payments, Contractor agrees to present to OC San, along with any request for payment, all applicable and necessary certified payrolls and other required documents for the 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 Contract.
- 6.6 The Contractor and its subcontractors shall comply with Labor Code section 1774 and section 1775. Pursuant to Labor Code section 1775, the Contractor 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.
 - 6.6.1 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 Contractor or its subcontractor.
- 6.7 Contractor and its subcontractors shall comply with Labor Code sections 1810 through 1815. Contractor 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 Contractor 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.
- 6.8 Contractor and its subcontractors shall comply with Labor Code sections 1777.5, 1777.6, and 1777.7 concerning the employment of apprentices by Contractor or any subcontractor.
- 6.9 Contractor 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.
- 6.10 Pursuant to Labor Code sections 1860 and 3700, the Contractor and its subcontractors will be required to secure the payment of compensation to employees. Pursuant to Labor Code section 1861, Contractor, by accepting this contract, certifies 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 contract.”

Contractor shall ensure that all its contracts with its subcontractors provide the provision above.

6.11 Contractor shall comply with the provisions specified in the General Conditions section entitled LAWS TO BE OBSERVED.

7. **Damage to OC San’s Property.** Any of OC San’s property damaged by Contractor, any subcontractor, or by the personnel of either will be subject to repair or replacement by Contractor at no cost to OC San and consistent with the General Conditions, including the section entitled PRESERVATION OF PROPERTY.
8. **Freight (F.O.B. Destination).** Contractor assumes full responsibility for all transportation, transportation scheduling, packing, handling, insurance, and other services associated with delivery of all products deemed necessary under this Contract.
9. **Audit Rights.** Contractor agrees that, during the term of this Contract and for a period of three (3) years after its expiration or termination, OC San shall have access to and the right to examine any directly pertinent books, documents, and records of Contractor relating to the invoices submitted by Contractor pursuant to this Contract.
10. **Contractor Safety Standards and Human Resources Policies.** OC San requires Contractor and its subcontractor(s) to follow and ensure their employees follow all Federal, State, and local regulations as well as the Contractor Safety Standards while working at OC San locations. If, during the course of the Contract, it is discovered that the Contractor Safety Standards do not comply with Federal, State, or local regulations, the Contractor is required to follow the most stringent regulatory requirement at no additional cost to OC San. Contractor, its subcontractors, and all of their employees shall adhere to the safety requirements in Exhibit “A,” all applicable Contractor Safety Standards in Exhibit “D,” and the Human Resources Policies in Exhibit “E.”
11. **Insurance.** Contractor and all its subcontractors shall purchase and maintain, throughout the term of this Contract and any periods of warranty or extensions, insurance in amounts equal to the requirements set forth in the signed Exhibit “C” – Determined Insurance Requirement Form. Contractor shall not commence work under this Contract until all required insurance is obtained in a form acceptable to OC San, nor shall Contractor allow any subcontractor to commence service pursuant to a subcontract until all insurance required of the subcontractor has been obtained. Failure to obtain and maintain the required insurance coverage shall result in termination of this Contract.
12. **Bonds.** Not Used.
13. **Indemnification and Hold Harmless Provision.** Contractor shall assume all responsibility for damages to property and/or injuries to persons, including accidental death, which may arise out of or may be caused by Contractor’s equipment and/or Services under this Contract, or by its subcontractor(s), or by anyone directly or indirectly employed by Contractor, and whether such damage or injury shall accrue or be discovered before or after the termination of the Contract. Except as to the sole active negligence of or willful misconduct of OC San, Contractor 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 Contractor's performance under the Contract, and/or (b) on account of use of any copyrighted or uncopyrighted material, composition, or process; or any patented or unpatented invention, article, or appliance furnished or used under the Contract, and/or (c) on account of any goods and services provided under this Contract. This indemnification provision shall apply to any acts or omissions, willful misconduct, or negligent misconduct, whether active or passive, on the part of Contractor or anyone employed by or working under Contractor. To the maximum extent permitted by law, Contractor'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. Contractor 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 Contract.

14. **Independent Contractor.** The relationship between the Parties hereto is that of an independent contractor and nothing herein shall be deemed to make Contractor an OC San employee. During the performance of this Contract, Contractor and its officers, employees, and agents shall act in an independent capacity and shall not act as OC San's officers, employees, or agents. Contractor and its officers, employees, and agents shall obtain no rights to any benefits which accrue to OC San's employees.
15. **Subcontracting and Assignment.** Any subcontracting or assignment shall be governed by the provisions of the General Conditions including the sections entitled SUBCONTRACTING and ASSIGNMENT.
16. **Disclosure.** Contractor agrees not to disclose, to any third party, data or information generated from this Contract without the prior written consent from OC San.
17. **Non-Liability of OC San Officers and Employees.** No officer or employee of OC San shall be personally liable to Contractor, or any successor-in-interest, in the event of any default or breach by OC San, or for any amount which may become due to Contractor or to its successor, or for breach of any obligation under the terms of this Contract.
18. **Third-Party Rights.** Nothing in this Contract shall be construed to give any rights or benefits to anyone other than OC San and Contractor.
19. **Applicable Laws and Regulations.** Contractor shall comply with all applicable Federal, State, and local laws, rules, and regulations. Contractor also agrees to indemnify and hold OC San harmless from any and all damages and liabilities assessed against OC San as a result of Contractor's noncompliance therewith. Any provision required by law to be included herein shall be deemed included as a part of this Contract whether or not specifically included or referenced.
20. **Licenses, Permits, Ordinances, and Regulations.** Contractor represents and warrants to OC San that it has obtained all licenses, permits, qualifications, and approvals of whatever nature that are legally required to provide the Services. Any and all fees required by Federal, State, County, City, and/or municipal laws, codes, and/or tariffs that pertain to the work performed under this Contract will be paid by Contractor.

21. **Regulatory Requirements.** Contractor shall perform all work under this Contract consistent with the General Conditions, including the section entitled STORMWATER REQUIREMENTS, and in strict conformance with applicable Federal, State, and local regulatory requirements including, but not limited to, 40 CFR 122, 123, 124, 257, 258, 260, 261, and 503, Title 22, 23, and Water Codes Division 2.
22. **Environmental Compliance.** Contractor shall, at its own cost and expense, comply with all Federal, State, and local environmental laws, regulations, and policies which apply to the Contractor, its subcontractors, and the Services, including, but not limited to, all applicable Federal, State, and local air pollution control laws and regulations.
23. **South Coast Air Quality Management District's Requirements.** It is Contractor's responsibility to ensure 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 Contract 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 SCAQMD.
24. **Warranties.** Contractor shall provide the warranties required in the Scope of Work and in the General Conditions, including the section entitled WARRANTY (CONTRACTOR'S GUARANTEE).
25. **Dispute Resolution.** Any disputes between the Parties shall be resolved as specified in the General Conditions, including the section entitled DISPUTES.
26. **Liquidated Damages.** Not Used.
27. **Remedies.** In addition to other remedies available in law or equity, if the Contractor fails to perform the Services or repudiates its obligations under this Contract, or if OC San rejects the goods or Services or revokes acceptance of the Services, OC San may (a) cancel the Contract; (b) recover whatever amount of the purchase price OC San has paid, and/or (c) "cover" by purchasing, or contracting to purchase, substitute equipment and services for those due from Contractor. In the event OC San elects to "cover" as described in (c), OC San shall be entitled to recover from Contractor as damages the difference between the cost of the substitute equipment and services and the Contract price, together with any incidental or consequential damages.
28. **Force Majeure.** Neither party shall be liable for delays caused by accident, flood, acts of God, fire, labor trouble, war, acts of government, or any other cause beyond its control, but the affected party shall use reasonable efforts to minimize the extent of the delay. Work affected by a force majeure condition may be rescheduled by mutual consent of the Parties.
29. **Termination.**
29.1 OC San reserves the right to terminate this Contract 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, Contractor shall immediately discontinue all work under this Contract (unless the notice directs otherwise). OC San shall thereafter, within thirty (30) days, pay Contractor for work performed (cost and fee) through the date of termination. Contractor expressly waives any claim to receive anticipated profits to be earned during the uncompleted portion of this Contract. Such notice of termination shall terminate this Contract and release OC San from any further fee, cost, or claim hereunder by Contractor other than for work performed through the date of termination.

29.2 OC San reserves the right to terminate this Contract immediately upon OC San's determination that Contractor is not complying with the Scope of Work requirements, if the level of service is inadequate, or for any other default of this Contract.

29.3 OC San may also immediately terminate this Contract for default, in whole or in part, by written notice to Contractor:

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

29.4 All OC San's property in the possession or control of Contractor shall be returned by Contractor to OC San on demand or at the expiration or early termination of this Contract, whichever occurs first.

30. **Attorney's Fees.** If any action at law or in equity or if any proceeding in the form of an Alternative Dispute Resolution (ADR) is necessary to enforce or interpret the terms of this Contract, the prevailing party shall be entitled to reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which the prevailing party may be entitled and as specified in the General Conditions, including in the section entitled CLAIMS.

31. **Waiver.** The waiver by either party of any breach or violation of, or default under, any provision of this Contract shall not be deemed a continuing waiver by such party of any other provision or of any subsequent breach or violation of this Contract or default thereunder. Any breach by Contractor to which OC San does not object shall not operate as a waiver of OC San's rights to seek remedies available to it for any subsequent breach.

32. **Severability.** If any section, subsection, or provision of this Contract; or any agreement or instrument contemplated hereby; or the application of such section, subsection, or provision is held invalid, the remainder of this Contract or instrument in the application of such section, subsection, or provision to persons or circumstances other than those to which it is held invalid, shall not be affected thereby, unless the effect of such invalidity shall be to substantially frustrate the expectations of the Parties.

33. **Survival.** The provisions of this Contract dealing with payment, warranty, indemnity, and forum for enforcement shall survive expiration or early termination of this Contract.

34. **Governing Law.** This Contract shall be governed by and interpreted under the laws of the State of California and the Parties submit to jurisdiction in the County of Orange in the event any action is brought in connection with this Contract or the performance thereof.

35. **Notices.**

35.1 All notices under this Contract must be in writing. Written notice shall be delivered by personal service, by electronic telecommunication, or 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. Rejection or other refusal to accept or the inability to deliver because of changed address for which no notice was given as provided hereunder shall be deemed to be receipt of the notice, demand, or request sent. All notices shall be effective when first received at the following addresses:

OC San: Darius Ghazi, CPM
Senior Buyer
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708
dghazi@ocsan.gov

Contractor: Alex Goodyear
Service Representative
Vaughan's Industrial Repair Co., Inc.
16224 Garfield Ave.
Paramount, CA 90723
alexg@virc1.com

35.2 Each party shall provide the other party written notice of any change in address as soon as practicable.

36. **Read and Understood.** By signing this Contract, Contractor represents that it has read and understood the terms and conditions of the Contract.
37. **Authority to Execute.** The persons executing this Contract on behalf of the Parties warrant that they are duly authorized to execute this Contract and that by executing this Contract, the Parties are formally bound.
38. **Entire Agreement.** This Contract constitutes the entire agreement of the Parties and supersedes all prior written or oral communications and all contemporaneous oral agreements, understandings, and negotiations between the Parties with respect to the subject matter hereof.

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

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

ORANGE COUNTY SANITATION DISTRICT

Dated: _____

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

Dated: _____

By: _____
Tina Knapp, MMC
Assistant Clerk of the Board

Dated: _____

By: _____
Ruth Zintzun
Finance & Procurement Manager

VAUGHAN'S INDUSTRIAL REPAIR CO., INC.

Dated: _____

By: _____

Print Name and Title of Officer

JL:LL

EXHIBIT A
SCOPE OF WORK
PEPS PUMP #1, #2, AND #3 OVERHUAL AT PLANT 2 (MP2-0010)

SCOPE OF WORK

1 Location of Work

The work covered under this Contract will take place at the Orange County Sanitation District's ("OC San's"):

- Plant 2 – 22212 Brookhurst Street, Huntington Beach, CA 92648 (See Appendix A-1, Project Location Map)

2 General

The Contractor shall furnish all labor, equipment, materials, machinery, tools, supplies, insurance, bonds, permits, licenses, transportation, and other incidentals necessary to complete all tasks and items of work described within Exhibit A and within other portions of the Contract Documents and Drawings and as more specifically described below.

3 Description of the Work

The work involves the overhaul of three Primary Effluent Pump Station (PEPS) pumps, Pump #1, #2 and #3 by the authorized repair company of the pump's original equipment manufacturer (OEM). See A - 2 Existing PEPS As-built Drawings, Shop Drawings and Pictures for reference.

The Contractor shall use parts and perform work in accordance with original equipment manufacturer (OEM) recommendations, instructions and as required by the latest applicable codes and regulations.

The Contractor shall coordinate work with the OC San Project Manager and its Operations staff for existing PEPS pumps shutdown. No more than one pump shall be removed out of service at a time to avoid interference or disruption of existing process operation. The Contractor shall complete the three PEPS pumps overhaul in three consecutive dry seasons, which begins April 15 and ends October 15 from 2024 to 2026. It is estimated to take 20 to 22 weeks to complete one pump overhaul. The Contractor shall work with the OC San Project Manager to develop the Work Plan along with a schedule for each major activity.

For each PEPS pump overhaul, the work will be broken down into two phases which includes:

- Phase (1) Pump Removal and Condition Assessment
- Phase (2) Pump Repairs, Reinstallation and Minor Field Repair Work.

After Phase (1) work, should it be discovered that the pump is not repairable, or the repair cost nears the replacement cost, the Contractor shall notify OC San. OC San may then request the Contractor to stop work. Contractor will only be paid for the Phase (1) work, and all parts must return to OC San.

If the pump is repairable, Contractor shall notify OC San Project Manager and state whether optional repair/replacement parts will be needed along with any other additional repairs. Any additional work must be approved by OC San Project Manager. Work shall not begin on Phase (2) unless first authorized in writing by the OC San Project Manager.

Phase (2) work will involve crane lifting of the pump and field work that requires confined space entry. Contractor shall provide lifting, personal protective equipment, safety submittals, and complete safety related tasks following the requirements outlined by the Contractor Safety Standards.

4 Project/Work Elements

4.1 Phase (1) Work – Pump Removal and Condition Assessment

Contractor shall:

1. Arrive on site and verify proper isolation of equipment.
2. Enter confined space in wet well and remove below grade discharge coupling and floor plate.
3. Uncouple and remove existing drive motor, set aside.
4. Remove PEPS building roof hatch and set aside.
5. Remove complete pump through roof hatch with crane.
6. Set on common carrier truck and transport to Contractor's repair facility.
7. Reinstall roof hatch, install cover over pump base plate hole and clean-up site.
8. At the Contractor's repair facility, disassemble, clean, perform condition assessment of pump.
9. Sandblast to bright metal bowl, column, discharge elbow and discharge head sections to complete assessment of corrosion damage.
10. After the complete assessment, notify OC San if pump is repairable, if optional repair/replacement items are needed, and if any other additional repairs are needed.

4.2 Phase (2) Work – Pump Repairs, Reinstallation and Minor Field Repair Work

Contractor shall:

1. Fabricate all new pump shafting from 416 SS material. Straighten shafting to max .002" TIR.
2. Supply and install new bowl, and stuffing box bushings from 660 bronze material.
3. Supply and install all new bronze line shaft bearings.
4. Supply and install new suction bell bronze bearing and sand collar.
5. Clean and reuse existing SS line shaft couplings.
6. Fabricate and install (4) new thrust rod brackets on discharge elbow to replace presumably eroded units.
7. Apply 2-part epoxy coating, min. 20mils thick to bowls, column, discharge elbow and discharge head.
8. Clean, sandblast, machine faces, and apply 2-part epoxy coating to existing inner column sections.
9. Dynamically balance impeller/shaft assembly to ISO 1940, quality grade G-2.5.
10. Assemble pump complete and apply additional coat of 2-part epoxy.
11. Apply enamel paint to exterior of pump head to match existing color.
12. Return to site and provide new thrust rod brackets for discharge pipe.
13. Remove existing brackets and weld on new brackets in wet well area.
14. Touch up area around welds with 2-part epoxy.
15. Install new discharge coupling.
16. Load pump on common carrier truck and deliver to site for installation.
17. Install pump with contracted crane through roof hatch.
18. Install drive motor, verify correct rotation, couple pump to motor and set impeller lift clearance.
19. Assist OC San for flow test and clean-up jobsite.

Optional Repair/Replacement Items:

1. If applicable, Contractor shall repair minor wear to impeller. After inspection, if the impeller is restorable and does not require any major repairs, Contractor shall restore impeller vane tips/angles by applying epoxy-filler/welding to eroded areas and machine trim to restore pre-existing angles, and apply epoxy coating to impeller to increase longevity.

2. Contractor shall supply new non-OEM suction bell section to replace a presumably corroded unit if applicable. Non-OEM suction bell shall be cast from pattern made from original part. OC San will dimensionally verify that the new part matches the existing unit so original design performance of the pump should not be impacted.

4.3 Submittals

1. Work Plan
2. Construction Schedule
3. Crane lifting plan
4. Any materials or coatings used during the repair process

4.4 Warranties

The Contractor shall warrant all work performed will be free of defects in workmanship for a period of one year after the Final Acceptance of the Work by OC San. All warranty periods shall begin after satisfactory installation and approved functional testing by the Contractor and OC San Project Manager. The Contractor shall be responsible for removal, installation, and shipping costs for correcting of any workmanship defects at no cost to OC San.

4.5 Permits/License

Confined Space Entry permit
Hot work permit for field welding work

5 Resources Available

1. Lay down and staging area.
2. OC San will provide a laydown area at a location determined by OC San at the beginning of the project.

5.1 Unavailable

1. Temporary power and utilities
2. OC San restroom facilities

6 Milestone Schedule

Milestones/Timeline	Duration (days) from Notice to Proceed (NTP)	Review Period (Days)	Cumulative Days
Pump #1 Overhaul in 2024 Dry Season (April 15 to October 15)			
Submittal	7	7	14
Phase (1) Pump Removal and Condition Assessment	14	0	28
Phase (2) Pump Repairs, Reinstallation and Minor Field Repair Work	140	0	168
Pump #2 Overhaul in 2025 Dry Season (April 15 to October 15)			
Submittal	7	7	14
Phase (1) Pump Removal and Condition Assessment	14	0	28

Phase (2) Pump Repairs, Reinstallation and Minor Field Repair Work	140	0	168
Pump #3 Overhaul in 2026 Dry Season (April 15 to October 15)			
Submittal	7	7	14
Phase (1) Pump Removal and Condition Assessment	14	0	28
Phase (2) Pump Repairs, Reinstallation and Minor Field Repair Work	140	0	168

7 Project Management

7.1 Project Kick-Off Meeting

1. A minimum of one week prior to start of work, a meeting with OC San staff shall be held either in person or virtually, to establish appropriate contacts and review the Contractor's plan to implement this work.

8 Staff Assistance

The Contractor will be assigned a single point of contact on this project. Any meetings and/or correspondence related to this project shall be scheduled and approved by the OC San Project Manager.