



TRIUNFO
WATER & SANITATION DISTRICT

REQUEST FOR PROPOSALS

FOR

Tapia Water Reclamation Facility: Design of Aluminum Sulfate Tank and Piping Replacement

PROPOSALS DUE by 3:00 p.m., October 19, 2022

LAS VIRGENES – TRIUNFO JOINT POWERS
AUTHORITY

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September 2022

REQUEST FOR PROPOSALS
Las Virgenes – Triunfo Joint Powers Authority

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ATTACHMENTS

- A. Drawings for Tapia WRF 1979 Filtration-Disinfection Addition Phase II
- B. Drawings for Tapia WRF 1979 Filtration-Disinfection Addition Phase III
- C. Aluminum Sulfate System Photos
- D. Professional Services Agreement

I. INTRODUCTION

The Las Virgenes – Triunfo Joint Powers Authority (JPA) invites your firm to submit a proposal to provide engineering services for the Aluminum Sulfate Tank and Piping Replacement Project. Engineering services will include:

- Review of available materials from the District and other sources and research.
- Prepare a Technical Memorandum, 90% and 100% plans and specifications for replacement of the Aluminum Sulfate Tank at the Tapia Water Reclamation Facility (WRF).
- Bidding and construction support services.

A preliminary scope of work is included to assist you in preparation of your proposal. Failure to submit information in accordance with the requirements in this Request for Proposal (RFP) may be cause for disqualification.

Address any questions regarding this Request for Proposal to Veronica Hurtado at 818-251-2332 or via email at vhurtado@lvmwd.com. Firms may request a site visit meeting before the proposal deadline, but it is not required.

II. BACKGROUND INFORMATION

The JPA was formed between the Las Virgenes Municipal Water District (LVMWD) and the Triunfo Water and Sanitation District (TSD) in 1964 to construct, operate and maintain a joint wastewater treatment system for their respective service areas, primarily within the Malibu Creek Watershed. The JPA facilities include the Tapia Water Reclamation Facility (WRF), the Rancho Las Virgenes Composting facilities, approximately 60 miles of trunk sewers, and an extensive recycled water transmission and distribution system.

The Tapia WRF was originally constructed to treat 0.5 million gallons per day (MGD). Several expansions have increased the plant to a capacity of 12 MGD, treating wastewater to the tertiary level. Tapia currently treats on average 7.0 MGD, which is disposed of through three different means: recycled water use, discharge to the Los Angeles River, or discharge to Malibu Creek. Discharges to Malibu Creek and the Los Angeles River are regulated under a National Pollutant Elimination System (NPDES) permit issued by the Los Angeles Regional Water Quality Control Board (LARWQCB). Due to the recent development and implementation of new Total Maximum Daily Loads (TMDL) to protect benthic macroinvertebrates in Malibu Creek, the permit limits for nutrients discharged to Malibu Creek have been drastically reduced making discharge of effluent from Tapia impractical.

In 1979, Aluminum Sulfate Solution (Alum) was introduced to the wastewater treatment process, at Tapia WRF, as a flocculant for tertiary treatment filtration. The existing liquid alum tank has a 7,500 gallon capacity, is constructed of steel and lined with PVC. This original tank has reached the end of its useful life and needs to be replaced. Operators have decommissioned the existing alum tank and are currently dosing from a 250 gallon tote.

III. SCOPE OF WORK

A general outline of the scope of work is provided below. It is the JPA's expectation that the proposer uses their expertise to customize the scope, as appropriate, to meet the project

objectives in a cost-effective manner. There are no available AutoCAD dwgs for the tank or project site and the selected proposer is expected to use available record drawings in pdf form (Attachment A & B) as a basis of their design drawings. Proposers may identify additional tasks as needed to meet the project objectives or may offer optional tasks for the ultimate success of the project.

1. Liquid Alum Tank, Piping, Pump, and Controller replacement design:
 - Review attached documentation and make recommendations on materials, tank size, installation methods for replacement of the aluminum sulfate tank, fill piping, drain piping, pumps, electrical instrumentation, and piping inside of the pump room. Pump room layout shown in the Filtration – Disinfection Addition Phase III -1979 Facilities drawings (6M-1).
 - After JPA staff approval of recommendations, implement them and produce plans and specifications for bidding the project.
 - Provide a contact list of tank manufacturers who are capable of meeting the requirements.
 - Treatment plant operations should have minimal interruption during the project. Some items of work may need to be scheduled to occur during certain timeframes to minimize impacts.
 - No California Environmental Quality Act (CEQA) investigation is necessary. This project falls under categorical exemption from CEQA requirements; Existing Facilities, Section 15301(b). District to file documentation related to CEQA.
 - Provide a digital copy of the plans and specifications. (AutoCAD and Adobe Acrobat format).
 - Provide support services during bidding and construction.
2. Receive and incorporate JPA staff input/direction.
 - Project Kick-Off Meeting
 - Perform site visits and meetings with JPA staff as necessary
 - Technical memorandum to include tank size, material, piping and pumping recommendations.
 - 90% design review workshop (virtual or in-person)
3. Professional Services During Construction
 - Bidding Services
 - Attendance of Pre-Bid Meeting
 - Review and respond to bidder request for information (RFIs)
 - Preparation of addendums for the project
 - Construction Services
 - Attendance at the preconstruction kick-off meeting
 - Review contractor submittals and shop drawings with one re-review on each anticipated
 - Attend construction meetings and site visits as necessary
 - Respond to RFIs
 - Preparation of project record drawings based on Contractor's red line markups
4. Other proposed services and tasks.

The below are deliverables are required of the selected firm:

- Technical memorandum
- Design Plans - 90% and 100% for review and comments
- Front end documents and technical specifications – 90% and 100%

- One full set of stamped and signed final drawings in PDF format
- Opinion of Probable Construction Cost
- Digital files (AutoCAD, MS Word, MS Excel, etc.)

IV. SERVICES OR DATA PROVIDED BY DISTRICT

The District will provide the following data, access, services or resources:

- Access to the facilities.
- Available records.
- District staff to answer questions.

V. MINIMUM CONSULTANT QUALIFICATIONS

- The selected firm shall have staff registered as a State of California Professional Engineer.
- The District's standard Consultant Agreement is included as attachment D. The consultant shall have the ability to execute the agreement in this form Professional liability insurance in the amount of \$2 million.
- Proven experience on at least three recently completed projects of similar scope.

VI. PROPOSAL REQUIREMENTS

- 1) Legal name of firm with address, telephone number and the name of at least one principal.
- 2) Project understanding and approach.
- 3) A recommended scope of work, which clearly displays an understanding of the project, including a proposed schedule.
- 4) Provide an itemized list of cost for the investigation, evaluation, identification of options, and recommendation listed in the scope of work.
- 5) List of assumptions or recommended services that are not a part of the proposal.
- 6) Names and résumés of individual(s) proposed to perform the services, including proof of professional registrations, as appropriate.
- 7) Names, qualifications, and principals of any sub-consultants to be utilized in providing the service(s).
- 8) References for three recently completed projects of similar scope, including contact person and telephone number.
- 9) Description of the firm's internal quality control process.
- 10) Certificate of professional liability insurance.
- 11) Cost to perform the services, a schedule of rates and any anticipated rate changes. The costs and rate schedule shall be provided in a separate package.

VII. EVALUATION CRITERIA

Proposals will be evaluated based upon the following:

- 1) A comprehensive and understandable Scope of Work.
- 2) Expertise in performing the Scope of Work.
- 3) The quality of performance on similar past projects, including those on which the proposed team has worked together.
- 4) The ability to meet time schedules and complete the work within established budgets.
- 5) The firm's history and resource capacity to perform the requested service.
- 6) The experience and qualifications of assigned personnel.

7) The cost of proposal.

Interviews with selected consultants maybe conducted as a part of the review process.

VIII. REQUEST FOR PROPOSAL SCHEDULE

Request for Proposals Issued	September 21, 2022
Pre-proposal Meetings	By request (optional)
Proposal Due Date	October 19, 2022, (3 PM)
Acceptance of Proposal (Board Meeting)	December 5, 2022

For questions, or to arrange a pre-proposal tour contact Veronica Hurtado, Assistant Engineer, via email or at (818) 251-2332. **Please submit one (1) digital copy of your proposal to vhurtado@lvmwd.com no later than 3:00 p.m. on October 19, 2022.**