

## Long Beach Township Public Notice

The Township of Long Beach hereby issues this Request for Qualifications and Proposals to enter into a multi-year, long-term contract pursuant to P.L.1995, c.101 (C.58:26-19, et al.) for:

- Service Agreement for Full-Service and Asset Management of Water Storage Vessels

until **March 15, 2019, at 2:00 P.M.** No facsimile copies of proposals will be accepted. Specifications and other information may be obtained at the Municipal Clerk's Office of the Township of Long Beach, 6805 Long Beach Blvd., Brant Beach, NJ 08008 (609-361-6633) during regular business hours: 9:00 a.m. to 4:00 p.m. and on the municipal website: [www.longbeachtownship.com](http://www.longbeachtownship.com). Mailing of proposal documents will be made at the requestor's cost.

Proposal Addenda, if necessary, will be issued on the website. Therefore, all interested respondents should check the website from now through receipt of Proposal. It is the sole responsibility of the respondent to be knowledgeable of all addenda related to this procurement.

A contract will be awarded after complete review and agreement of the Board of Commissioners of the Township of Long Beach as well as approval by the Board of Public Utilities, NJ Local Finance Board and the NJ Division of Local Government Services.

Respondents shall comply with the requirements of P.L. 1975 C127 (N.J.A.C. 17:27et seq.) A copy of your NJ Business Registration Certificate is required with your proposal.

Lynda J. Wells, RMC, QPA  
Municipal Clerk

**TOWNSHIP OF LONG BEACH**

**REQUEST FOR QUALIFICATONS AND PROPOSALS**

For

**SERVICE AGREEMENT FOR FULL-SERVICE-MAINTENANCE  
PROGRAM FOR WATER STORAGE VESSELS**

February 11, 2019

Township of Long Beach  
Brant Beach, New Jersey 08008

**Request for Proposals  
Township of Long Beach, New Jersey  
February 11, 2019**

**Request for Qualifications and Proposals (“RFQ&P”) No. 050619**

**SERVICE AGREEMENT FOR FULL-SERVICE MAINTENANCE AND ASSET MANAGEMENT  
PROGRAM FOR WATER STORAGE VESSELS**

Township of Long Beach (“Township”) shall receive qualifications and proposals (collectively “proposal” or “proposals”) from qualified firms to contract for a long-term, twenty-year, full-service maintenance and asset management program for five (5) potable water storage vessels until March 15, 2019, at 2:00 p.m., at which time said proposals shall be recorded and turned over to the Township’s officials for careful evaluation. Proposals shall be presented in a sealed envelope per instructions on the request for qualifications and proposals. All information regarding opening date, description of the proposal, and RFQ&P number must be listed on the outside of the envelope. Proposals shall be submitted in duplicate, sealed, and mailed or delivered to be received no later than the above time and date.

The Township reserves the right to waive formalities and irregularities in any proposal and to reject any or all proposals in whole or in part with or without cause and/or to accept the proposal that in its judgment will be in the best interest of the Township, irrespective of cost. The Township further reserves the right to reject any conditional proposal and will normally reject those which make it impossible to determine the intent of the proposal.

Parties interested in this RFQ&P may obtain a copy of same from the Township. All information outlined in the RFQ&P, along with any other pertinent facts necessary for a proper evaluation of this proposal, should be delivered to **Township of Long Beach, 6805 Long Beach Boulevard, Brant Beach, Jersey 08008**, prior to the hour and date above designated.

Any additional information necessary can be obtained by directing calls to **the Office of the Municipal Clerk, Township of Long Beach, 6805 Long Beach Boulevard, Brant Beach, New Jersey 08008 (609) 361-1000 ext.6633** reference to RFQ&P No. 050619.

## GENERAL INFORMATION

### PURPOSE AND SCOPE

In accordance with New Jersey Water Supply Public-Private Contracting Act, codified at N.J.S.A. 58:26-19, *et seq.*, the Township is soliciting proposals from qualified firms for a long-term-perpetual-full-service maintenance and asset-management contract (“Water Tank Maintenance Agreement”), which shall include the following: (i) engineering services (specific to the maintenance of existing water storage tank covered by this RFQ&P); (ii) professional asset management; (iii) GASB 34 compliance as alternate method of asset management; (iv) internet reporting accessibility; (v) all inspection and visual inspection, repair, renovation rehabilitation, washout, and repainting services. It is the intent of the RFQ&P to determine the most qualified firm to which the Township could contract those services.

The proposal shall address all of the information outlined herein. Additionally, each prospective firm may include such other information as he or she deems pertinent to the proper evaluation of their proposal. Typewritten proposals shall be submitted in duplicate and bound to create a single document containing all required material in a format that follows the outline in this request.

It is the responsibility of each prospective firm interested in this proposal to inspect the tanks and the terms of the proposed Water Tank Maintenance Agreement prior to the submission of its proposal. All bidders are responsible for obtaining any information pertinent to the proper evaluation of the vessels. Contact Mike Clark @ (609) 492-6314 to make inspection of the tanks.

*\*All submittals shall be mailed to **Township of Long Beach, 6805 Long Beach Boulevard, Brant Beach, New Jersey 08008.** The Owner reserves the right to take a minimum period of one (1) week to examine and evaluate all proposals before a decision is made and announced.*

Each firm shall be responsible for testing the current materials in place on the tanks for hazardous content. All work must comply with OSHA Confined Space Entry, New Jersey Department of Environmental Protection, A.W.W.A., and N.S.F. Regulations. Proposals shall be considered for and shall be written to provide the contracted maintenance of the following tanks:

**300,000 Gallon Beach Haven Terrace Water Plant Elevated Storage Tank**

**300,000 Gallon Peahala Park Elevated Storage Tank**

**330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**150,000 Gallon Holgate Elevated Storage Tank**

**150,000 Gallon Brant Beach Elevated Storage Tank**

**INFORMATION AND DOCUMENTS TO BE PROVIDED**  
**IN RESPONSE TO THE RFQ&P**

The details of this proposal shall include information on each of the following items. Additionally, each prospective firm may submit such other information as deemed appropriate for the proper evaluation of its proposal.

- A. The proposal shall include an informative narrative report introducing the firm. Additionally, a statement of qualifications and resume detailing the experience of all vital individuals responsible for providing service under this contract shall be submitted, including project management personnel and inspectors. Principals involved should be listed along with their names and addresses of the individuals placed in charge for the administration of the terms and conditions of the contract. Summary resumes of all full-time employees dedicated to technical services (engineers and N.A.C.E. certificated employees) are mandatory. A copy of the State Contactor's License **MUST BE** included in the response to this RFQ&P.
- B. The following items must be included in the proposal or the Township may reject it as unresponsive:
1. Number of years in business;
  2. Size of the firm (annual sales and total assets);
  3. Ownership structure of firm (Sole proprietorship, Partnership, Publicly Held, *etc.*);
    - a. If the proposing company is a sole proprietorship, partnership, or Limited Liability Corporation, a succession plan and guarantee of future performance must be documented in the proposal in order for the Township to comply with New Jersey laws;
  4. Under the New Jersey Water Supply Public Private Contracting Act, the final contract, which shall include the RFQ&P specifications and the Water Tank Maintenance Agreement included within the RFQ&P specifications, between the Township and successful firm may be reviewed and/or approved by the NJ DEP, NJ BPU, and/or the NJ DCA. The primary criteria for approving or denying the contract include the following: (i) financial and technical capabilities of the private contractor; (ii) the reasonableness of the contract terms; (iii) the protection of the public/water customers from risks or subsidization of the contract; (iv) the financial terms for the city and impact of the contract on its ability to repay its indebtedness; and (v) inclusion of statutorily required terms. Under the statute, the Township may enter into a contract with the private firm for up to 40 years, and, therefore, shall require reasonable assurances from the firm that future performance under the contract shall be secure;
  5. If one or more owners sell all or a portion of the company and/or is deceased prior to the required future tank renovations, the proposal must document the ability of the company to successfully fulfill the requirements outlined in this RFQ&P;
  6. Total number of employees, both direct and indirect;
  7. Percentage of work to be subcontracted;
  8. Fully audited financial statements, including balance sheet and income statements, from the most recent fiscal year of the prime respondent;
  9. Reference from a financial institution;
  10. Copy of New Jersey Professional Engineer's license for engineer on staff;
  11. Copy of New Jersey Business License;
  12. Copy of New Jersey Lead Abatement Contractor Certification;
  13. Copy of State of New Jersey BRC; and
  14. Copy of State of New Jersey Public Works Contractor's License.

- C. The proposal shall include the details of appropriate work and renovation plan for the tanks. This shall include but not be limited to, the evaluation of all five (5) water tanks (“Water Tanks”) with particular regard to the internal and external structural condition of the Water Tanks and any of its appurtenances, need for painting, and condition of the foundation. Methods for handling and disposing of hazardous wastes should be explained.
- D. A list of systems that are currently being maintained by the proposer should be submitted. Include the Name of the System, Person of Contact, Telephone Number of Contact, and Number of Tanks in the System under contract. A minimum of fifty (50) systems must be submitted as a minimum to be considered. Any company with less than fifty (50) existing maintenance programs shall not be considered. Of the fifty (50) references, at least three (3) must be in New Jersey.

Any company who has not been providing these services for more than ten (10) years shall not be considered.

- E. The proposal shall also set forth the frequency and degree of inspection and cleanout services the Township could expect under the terms of the contract. The Water Tanks shall be inspected annually with a complete report provided to Township of Long Beach. A minimum of two (2) washout inspections with detailed engineering report shall be conducted in any ten (10) year period. Additionally, each perspective firm should address the requirements to assume responsibility for all corrections and repairs to the tank necessitated by acts of vandalism or through normal deterioration.
- F. A detailed proposal shall adhere to the specifications given in this Request for Proposal and the proposed Water Tank Maintenance Contract provided with the RFQ&P. All surface preparation and coatings specified should be strictly *adhered* to; there shall be no variance. These specifications are identified in this Request for Proposal as Water Tanks renovation specifications. In addition, all rules and regulations of the **New Jersey Department of Environmental Protection** shall be strictly adhered to. Additionally, a method for determining the scheduling for future repainting shall be addressed for the Water Tanks. All permits, approvals, etc., required by the **New Jersey Department of Environmental Protection** shall be the responsibility of the successful firm.
- G. Each proposer shall submit a detailed insurance certificate. This insurance certificate shall detail all levels of insurance required by Township of Long Beach to accept a contractual obligation which shall be at a minimum provided by an insurance company which carries an AM Best rating of A- or better. The insurance coverage specified in the Water Tank Maintenance Contract included within this RFQ&P constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the Firm under the terms of the Contract. The Firm shall procure and maintain at their own expense any additional kinds and amounts of insurance that, in its own judgment, may be necessary for its proper protection in the prosecution of the work. The Firm shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the Township.
- H. **The firm may never cancel the contract for any reason other than non-payment by Township.** The contract must include a detailed fee schedule with a not to exceed inflationary adjustment factor so the Township can calculate future maintenance cost for an indefinite time. All future work shall be covered by the annual fee with no extra charges for future work.

- I. The proposal shall identify the method of compliancy with the Governmental Accounting Standards Board Statement 34 “Asset Management System.” The method of compliance must meet the GASB 34 Asset Impairment Modified Approach requirements and include specific interior and exterior coating renovation cycles, inspection cycles, measurement scales, and condition ranking. The Asset Management System detailed in the proposal must permit the Township to justifiably categorize the Water Tanks as Non-depreciating Capital Infrastructure Assets.
- J. The proposal shall include a formal **Safety Program** stating company policy on all safety procedures. Document procedures to include workers protection, confined space, and general safety procedures. (Safety Program may be submitted on a separate CD or other electronic media if it exceeds 100 pages in length.)
- K. The proposal must demonstrate the capability to successfully manage the information flow during the course of maintaining and managing the Township’s Water Tanks. Capability must exist for the Township to view information via the internet.
- L. Outlined herein is the schedule that defines the initial work schedule. ***There shall be no deviation from this schedule of work.***
- M. **PLEASE BE ADVISED THAT** the Water Tank Maintenance Agreement provided as part of the RFQ&P set forth additional terms that shall control over the within Specifications and the prospective firm must comply with all requirements set forth therein.

## **EVALUATION CRITERIA**

Proposals will be evaluated by the Township's using the following criteria:

- A. Experience in performing the requested engineering services, specifically; tank painting, lead abatement, structural steel repairs and cellular installations on water tanks for similar projects. Information and materials submitted for unrelated types of projects will not be considered by the evaluation committee.
- B. In-house capabilities of the project office to provide services requested; extent of project participation by remote locations or sub-contractors.
- C. Project methodology
- D. Expertise of personnel assigned to the projects
- E. In-place quality assurance procedures
- F. Record in complying with existing Federal and New Jersey labor standards and recognizing State and Federally approved apprentice training programs.
- G. Financial stability and strength of the company to assure long term support of the contract and future maintenance commitments.
- H. Innovative payment structures for the cost of the initial renovation.
- I. Overall cost of the program proposed for the Full-Service Asset Management Program
- J. References from past and present clients to include the following:
  - 1. Ability to meet deadlines;
  - 2. Turn-over rate of staff assigned to projects;
  - 3. Typical response time for starting work; and
  - 4. Overall quality of work.

The Township will use a weighted evaluation matrix to rate each proposal. The criteria stated above will be prioritized and the proposals will be evaluated on the capabilities and merit of each respondent.

**This RFQ&P is not a bid and the lowest cost proposal may not necessarily be chosen as the best solution for the long-term requirements of the Township.**

**TOWNSHIP OF LONG BEACH SCHEDULE OF WORK TO BE ACCOMPLISHED UNDER THE**  
**“FULL SERVICE MAINTENANCE AND**  
**ASSET MANAGEMENT PROGRAM”**

**ALL WATER TANKS**

In addition to the terms and requirements set forth in the Water Tower Maintenance Agreement, the Company shall also inspect all Water Tanks annually and provide a complete, written annual report provided to the Township on or before November 30<sup>th</sup> of each calendar year and a minimum of two (2) washout inspections with detailed engineering reports shall be conducted in any ten-year (10) period. The Company shall also be responsible for all corrections and repairs to the water tanks necessitated by acts of vandalism or through normal deterioration. The Company shall also be responsible to repaint all lettering on the Water Tanks in same size, color, and location that existed prior to any time the Company repaints the Water Tanks.

**BEACH HAVEN TERRACE PLANT PEDISPHERE TANK**

**YEAR 1 (2019) – 300,000 Gallon Elevated Tank – Plant Pedisphere**

**Exterior Surface Preparation and Coatings Specifications – Full Blast and Coat**

1. Abrasive blasting surface preparation to an SSPC-SP6 commercial cleanliness standard. Min 2 mil angular anchor profile required.
2. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
3. Containment to adhere to SSPC Guide 6 Class 2a containment standard
4. **Primer:** TNEMEC 91H2O or 94H2O hydrozinc aromatic zinc rich urethane or approved equivalent applied to achieve 2.5-3.5 DFT mils (If intermediate coat is sprayed, a full stripe coat of 27 series or 135 series epoxy must be applied by brush and roller prior to intermediate coat application).
5. **Intermediate:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or approved equivalent.
6. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or equivalent applied to achieve 2-3 DFT mils.

**Interior dry prep & paint specs**

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color

### **Interior Wet - Chemical Clean Interior Washout Inspection**

1. Apply NSF approved chemical cleaning agent to the interior walls and floor surfaces of the tank and treat mineral build-up and bio-film accumulation.
2. Washout, disinfect, and inspect the tank interior.

**NOTE: All antennas, mounts & coax must be removed before renovation and reinstalled to a corral and new coax stands once renovation completed pursuant to and in accordance with the requirements set forth in the Contract.**

### **Repairs**

1. 24" frost proof vent to replace existing.
2. Install new rubber boot around access tube air gap.
3. Replace notched rail safety climbs in dry interior w/ flex cable (2 safety climbs to get to top).
4. Install 2 1/2" mud valve @ top landing connect to O-flow pipe.
5. Replace missing & damaged frost jacket on inlet pipe w/ aluminum wrap.
6. Cut out & replace bad section of the 30" roof access hatch neck going to water chamber (est 1 1/2ft long 3/8" thick).
7. Install aluminum frost jacketing on inlet pipe from just above the first landing to the tank bowl to match existing on the lower side, do before blasting so insulation doesn't get damaged.
8. Install (8) 2 1/2" roof rigging couplers seal welded.

### **Installation of a PAX Active Mixing System to the Interior (see mixer specs)**

1. The Company shall install an active mixing system on the selected tank.
2. The specified unit will be installed in the Tank is an NSF approved PAX active mixing system along with its component parts.
3. The Company will annually inspect and service the active mixing system.
4. The active mixing system will be thoroughly inspected to ensure that the active mixing system is in good working condition.
5. The Company shall furnish engineering and inspection services needed to maintain and repair the active mixing system during the term of the contract.

### **YEAR 2 (2020) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

## YEAR 3 (2021) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Washout Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11.
3. Power tool to bare metal cleanliness – min 1.5 mil anchor profile required.
4. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
5. Provide overall tank emergency repair service.
6. Ensure Tank complies with all federal and state regulations.
7. Maintain as per the Full-Service Asset Management Program.

## YEAR 4 (2022) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

## YEAR 5 (2023) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Inspection Service including Remote Operated Vehicle Interior Inspection

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program

## YEAR 6 (2024) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Interior Water Chamber Surface Prep and Coatings Specifications – Full Blast and Coat

1. Abrasive blast complete interior water chamber to SSPC-SP10 near white metal cleanliness. Min 2 mil angular anchor profile required.
2. **Primer:** 94H2O hydrozinc aromatic zinc rich urethane or approved equivalent applied to achieve 2.5-3.5 DFT mils.
3. **Stripe coat along all interior water chamber welds, edges, connections, bolts & apparatus:** TNEMEC N140 epoxy, applied by brush and roller only to achieve 4-6 DFT mils.
4. **Full interior finish coat:** TNEMEC 22 or FC22 (FC22 is cold weather version) 100% solids modified polyamine epoxy or equivalent applied to achieve 25-35 DFT mils utilizing plural component application only.
5. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).

6. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
7. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
8. The Tank shall be sealed and made ready for service.

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 7 (2025) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 8 (2026) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if required for overcoat, shall be separate and negotiated in advance with Township.

### **As Needed- Interior dry prep & paint specs**

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color.

### **Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

### **YEAR 9 (2027) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere:**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 10 (2028) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 11 (2029) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.

3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 12 (2030) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11.
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

**YEAR 13 (2031) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 14 (2032) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 15 (2033) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere:**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

## YEAR 16 (2034) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Exterior Surface Preparation and Coatings Specifications – Overcoat

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer's recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if needed for overcoat, shall be separate and negotiated in advance with Township.

### As Needed- Interior dry prep & paint specs

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color.

### Chemical Clean Interior Washout Inspection

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

## YEAR 17 (2035) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere

### Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 18 (2036) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 19 (2037) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 20 (2038) - 300,000 Gallon Elevated Tank – Beach Haven Terrace Plant Pedisphere**

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

**Chemical Clean Washout or ROV and visual inspection services shall continue as shown above on an alternating annual basis. Future exterior renovations shall be scheduled based on the needs identified during the annual inspections. As a general rule, the exterior must be, at a minimum, overcoated approximately every eight (8) years and interiors inspected for coatings failure and potential touch-up. If agreed upon by Owner and provider that Interior water chamber coatings have run to failure, a decision will be made for a plan for removal of existing interior coatings and new interior coating system applied.**

# PEAHALA PARK TANK

## YEAR 1 (2019) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere

### Inspection Service

1. Engineering inspection with report.

## YEAR 2 (2020) – 300,000 Gallon Elevated Tank – Peahala Park Pedisphere

### Exterior Surface Preparation and Coatings Specifications – Full Blast and Coat

1. Abrasive blasting surface preparation to an SSPC-SP6 commercial cleanliness standard. Min 2 mil angular anchor profile required.
2. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
3. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
4. **Primer:** TNEMEC 91H2O or 94H2O hydrozinc aromatic zinc rich urethane or approved equivalent applied to achieve 2.5-3.5 DFT mils (If intermediate coat is sprayed, a full stripe coat of 27 series or 135 series epoxy must be applied by brush and roller prior to intermediate coat application).
5. **Intermediate:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or approved equivalent.
6. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or equivalent applied to achieve 2-3 DFT mils.

### Interior Water Chamber Surface Prep and Coatings Specifications – Full Blast and Coat

1. Abrasive blast complete interior water chamber to SSPC-SP10 near white metal cleanliness. Min 2 mil angular anchor profile required.
2. **Primer:** 94H2O hydrozinc aromatic zinc rich urethane or approved equivalent applied to achieve 2.5-3.5 DFT mils.
3. **Stripe coat along all interior water chamber welds, edges, connections, bolts & apparatus:** TNEMEC N140 epoxy, applied by brush and roller only to achieve 4-6 DFT mils.
4. **Full interior finish coat:** TNEMEC 22 or FC22 (FC22 is cold weather version) 100% solids modified polyamine epoxy or equivalent applied to achieve 25-35 DFT mils utilizing plural component application only.
5. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
6. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
7. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
8. The Tank shall be sealed and made ready for service.

## **Interior dry prep & paint specs**

### **Surface preparation**

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color.

### **Installation of a PAX Active Mixing System to the Interior (see mixer specs)**

1. The Company shall install an active mixing system on the selected tank.
2. The specified unit will be installed in the Tank is an NSF approved PAX active mixing system along with its component parts.
3. The Company will annually inspect and service the active mixing system. The active mixing system will be thoroughly inspected to ensure that the active mixing system is in good working condition.
4. The Company shall furnish engineering and inspection services needed to maintain and repair the active mixing system during the term of the contract.

**NOTE: All antennas, mounts & coax must be removed before renovation and reinstalled to a corral and new coax stands once renovation completed.**

### **Repairs**

1. Install aluminum insulation jacket from bottom landing to bowl before any spot blasting to protect insulation.
2. Install 9" OD O-flow flapper screen combo.
3. Replace 11"OD roof vent w/ 24" pallet type vent.
4. Replace 30" roof hatch leading to water chamber
5. Replace 24" bolted roof hatch
6. Replace top plate and top 1.5ft of 42" diameter access tube to include new 24" round roof hatch as well.
7. Remove air gap access tube roof collar, fillet weld a 3/8" thick 1' wide doubler plate ring to roof and to access tube to close off the gap.
8. Install roof corral to mount all antennas to.
9. Install seal welded coaxial stand brackets (to keep coax @ least 6" off of tank surface) running up the exterior to mount all coaxial to.
10. Install 2 1/2" mud valve @ top landing attached to overflow pipe.
11. Install 3 cable type safety climbs in dry interior ladders, remove wet interior safety climb.
12. Install (8) 2 1/2" seal welded roof rigging couplers

## **YEAR 3 (2021) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.

4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 4 (2022) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Washout Inspection Service**

1. Washout, disinfect, and inspect the tank.
2. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
3. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
4. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
5. Provide overall tank emergency repair service.
6. Ensure Tank complies with all federal and state regulations.
7. Maintain as per the Full-Service Asset Management Program.

**YEAR 5 (2023) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere:**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 6 (2024) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 7 (2025) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere:**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 8 (2026) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere:**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 9 (2027) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.

**As Needed- Interior dry prep & paint specs**

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color.

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11.
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

**YEAR 10 (2028) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 11 (2029) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere:**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 12 (2030) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 13 (2031) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

**YEAR 14 (2032) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 15 (2033) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 16 (2034) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 17 (2035) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if required for overcoat, shall be separate and negotiated in advance with Township.

### **As Needed- Interior dry prep & paint specs**

1. Spot abrasive blast any paint failed/corroded areas to an SSPC-SP6 commercial blast cleanliness standard. Min 2 mil angular anchor profile required.
2. Once touchups have been completed & cured, pressure wash the entire dry interior with min 2000 psi.
3. **Spot primer:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils.
4. **Spot finish:** TNEMEC 135 series epoxy or approved equivalent applied to achieve 4-6 DFT mils to closely match the existing coating color.

### **Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11.
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

### **YEAR 18 (2036) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 19 (2037) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

### **YEAR 20 (2038) - 300,000 Gallon Elevated Tank – Peahala Park Pedisphere**

#### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.

3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**Chemical Clean Washout or ROV and visual inspection services shall continue as shown above on an alternating annual basis. Future exterior renovations shall be scheduled based on the needs identified during the annual inspections. As a general rule, the exterior must be, at a minimum, overcoated approximately every (8 years) eight years and interiors inspected for coatings failure and potential touch-up. If agreed upon by Owner and provider that Interior water chamber coatings have run to failure, a decision will be made for a plan for removal of existing interior coatings and new interior coating system applied.**

## **BEACH HAVEN TERRACE PLANT GROUND STORAGE TANK**

### **YEAR 1 (2019) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

#### **Inspection Service**

1. Engineering inspection with report.

### **YEAR 2 (2020) – 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

#### **Interior Water Chamber Surface Prep and Coatings Specifications – Full Blast and Coat**

1. Abrasive blast complete interior water chamber to SSPC-SP10 near white metal cleanliness. Min 2 mil angular anchor profile required.
2. **Primer:** 94H2O hydrozinc aromatic zinc rich urethane or approved equivalent applied to achieve 2.5-3.5 DFT mils.
3. **Stripe coat along all interior water chamber welds, edges, connections, bolts & apparatus:** TNEMEC N140 epoxy, applied by brush and roller only to achieve 4-6 DFT mils.
4. **Full interior finish coat:** TNEMEC 22 or FC22 (FC22 is cold weather version) 100% solids modified polyamine epoxy or equivalent applied to achieve 25-35 DFT mils utilizing plural component application only.
5. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
6. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
7. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
8. The Tank shall be sealed and made ready for service.

#### **Exterior touchup prep & paint specs**

1. Pressure wash complete exterior with min 2000 psi.
2. Spot prepare any paint failed/corroded or freshly welded areas to an SSPC-SP11 Power tool to bare metal cleanliness.

3. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
4. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
5. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.

**Repairs**

1. Install 8' of exterior ladder (no safety climb).
2. Install lockable ladder door.
3. Install 6' of OSHA handrail on either side of the access ladder on the roof edge.
4. Regrout & caulk around base of tank.
5. Replace O-flow screen w/ 24 mesh per inch stainless screen.
6. Replace existing roof hatch w/ 30" square hinged lid type hatch.
7. Install (1) 24" frost proof vent to replace 1 of the 4" vents.
8. Install additional standard non-frost proof where the other 4" roof vent is located.

**Installation of a PAX Active Mixing System to the Interior (see mixer specs)**

1. The Company shall install an active mixing system on the selected tank.
2. The specified unit will be installed in the Tank is an NSF approved PAX active mixing system along with its component parts.
3. The Company will annually inspect and service the active mixing system. The active mixing system will be thoroughly inspected to ensure that the active mixing system is in good working condition.
4. The Company shall furnish engineering and inspection services needed to maintain and repair the active mixing system during the term of the contract.

**YEAR 3 (2021) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 4 (2022) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.

3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer's recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if needed for overcoat, shall be separate and negotiated in advance with Township.

**Washout Inspection Service**

1. Washout, disinfect, and inspect the tank.
2. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
3. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
4. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
5. Provide overall tank emergency repair service.
6. Ensure Tank complies with all federal and state regulations.
7. Maintain as per the Full-Service Asset Management Program.

**YEAR 5 (2023) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 6 (2024) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 7 (2025) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

#### **YEAR 8 (2026) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

##### **Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

#### **YEAR 9 (2027) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

##### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

#### **YEAR 10 (2028) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

##### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

#### **YEAR 11 (2029) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

##### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.

3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full-Service Asset Management Program.

**YEAR 12 (2030) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer’s recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if needed for overcoat, shall be separate and negotiated in advance with Township.

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full-Service Asset Management Program.

**YEAR 13 (2031) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

**YEAR 14 (2032) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

**YEAR 15 (2033) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

**YEAR 16 (2034) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.
3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full Service Asset Management Program.

**YEAR 17 (2035) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

**Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

## **YEAR 18 (2036) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

## **YEAR 19 (2037) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

### **Inspection Service**

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the Full Service Asset Management Program.

## **YEAR 20 (2038) - 330,000 Gallon Beach Haven Terrace Water Plant Ground Storage Tank**

### **Exterior Surface Preparation and Coatings Specifications – Overcoat**

1. Pressure wash all exterior surfaces with 4000 psi min to remove dirt, chalk, lightly adhered rust and coatings.
2. Spot prepare any paint failed/corroded areas to an SSPC-SP11 Power tool to bare metal. Surface profile should be min 1.5 mils.
3. Surfaces must be tested prior to coating application and surface preparation for presence of surface salts due to the coastal location. If surface salts are present, Chlorid or similar must be used to get the levels to acceptable levels as per the coating manufacturer's recommendations.
4. Containment to adhere to SSPC Guide 6 Class 2a containment standard.
5. **Spot primer:** TNEMEC series 1 Omnithane modified aromatic polyurethane primer or approved equivalent applied to achieve 2.5-3.5 DFT mils.
6. **Full intermediate coat:** TNEMEC 27 series applied to achieve 3-6 DFT mils or 135 series epoxy applied to achieve 4-6 DFT mils (depending on temperatures, 27 is for colder weather application) or equivalent.
7. **Finish coat:** TNEMEC 72 series pigmented acrylic polyurethane or approved equivalent applied to achieve 2-3 DFT mils.
8. **NOTE:** Cost for containment system if needed for overcoat, shall be separate and negotiated in advance with Township.

### **Chemical Clean Interior Washout Inspection**

1. Apply NSF approved cleaning agent TC1 to interior walls and floor following manufacturers recommendations.
2. Washout, disinfect, and inspect the tank.

3. Power tool clean paint failed or burn through areas from welding to an SSPC-SP11
4. Power tool to bare metal cleanliness. Min 1.5 mil anchor profile required.
5. TNEMEC FC22 100% solids modified polyamine epoxy or equivalent touchup kits applied to achieve 15-25 DFT mils.
6. Provide overall tank emergency repair service.
7. Ensure Tank complies with all federal and state regulations.
8. Maintain as per the Full Service Asset Management Program.

**Chemical Clean Washout or ROV and visual inspection services shall continue as shown above on an alternating annual basis. Future exterior renovations shall be scheduled based on the needs identified during the annual inspections. As a general rule, the exterior must be, at a minimum, overcoated approximately every (8 years) eight years and interiors inspected for coatings failure and potential touch-up. If agreed upon by Owner and provider that Interior water chamber coatings have run to failure, a decision will be made for a plan for removal of existing interior coatings and new interior coating system applied.**

## **HOLGATE TANK**

Utilizing the annual inspection data, future renovation schedules will be determined based on the findings and degraded coatings conditions. When it is deemed to perform coatings renovations, the service provider and town will come to an agreement on the Holgate Tank future scope of work and full asset management program details & terms. This will be added to the existing full asset management program of the Plant Pedisphere Tank, Plant Ground Tank and Peahala Tank.

### **YEAR 1 (2019) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV for the interior inspection and visual inspection of exterior to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

#### **Repairs**

1. Install 24" bolted shell man way above balcony.
2. Install 15' of interior ladder from new shell man way to floor.
3. Install 8 1/2" OD overflow flapper/screen combo.
4. Replace vent screen.
5. Caulk around anchor chairs where urethane fill material is.
7. Install one L rubber cable keeper on leg ladder at transition on flex cable safety climb.

### **YEAR 2 (2020) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service**

1. Visual inspection of tank to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

### **YEAR 3 (2021) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV for the interior inspection and visual inspection of exterior to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

### **YEAR 4 (2022) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service**

1. Visual inspection of tank to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

### **YEAR 5 (2023) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV for the interior inspection and visual inspection of exterior to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

### **YEAR 6 (2024) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

#### **Inspection Service**

1. Visual inspection of tank to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.

3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

### **YEAR 7 (2025) - 150,000 Gallon Elevated Tank – Holgate Legged Tank**

1. This is the expected time for an exterior tank renovation.
2. Formal Plan for future tank Asset Management Program Consultation with customer to review conditions and timing.

## **BRANT BEACH TANK**

Utilizing the annual inspection data, future renovation schedules will be determined based on the findings and degraded coatings conditions. When it is deemed to perform coatings renovations, the service provider and town will come to an agreement on the Brant Beach Tank future scope of work and full asset management program details & terms. This will be added to the existing full asset management program of the Plant Pedisphere Tank, Plant Ground Tank and Peahala Tank.

### **YEAR 1 (2019) - 150,000 Gallon Elevated Tank – Brant Beach Legged Tank**

#### **Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV for the interior inspection and visual inspection of exterior to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

#### **Repairs**

1. Cut O-flow, raise to 12-24" above basin, install screened flapper combo 7" OD.
2. Weld fabricated lock hasp on roof hatch.
3. Replace 1 top X-rod wing-plate connection on leg (see report).
4. Replace 24" plastic vacuum pallet on current roof vent, current one is bowed & not sitting flush.
5. Trim loose caulking around riser base plate & re-caulk w/ Sikaflex 1a, caulk also around anchor saddles where urethane filler material is separating from the steel.

### **YEAR 2 (2020) - 150,000 Gallon Elevated Tank – Brant Beach Legged Tank**

#### **Inspection Service**

1. Visual inspection of tank to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.

4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

**YEAR 3 (2021) - 150,000 Gallon Elevated Tank – Brant Beach Legged Tank**

**Inspection Service including Remote Operated Vehicle Interior Inspection**

1. Engineering inspection including ROV for the interior inspection and visual inspection of exterior to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work

**YEAR 4 (2022) - 150,000 Gallon Elevated Tank – Brant Beach Legged Tank**

**Inspection Service**

1. Visual inspection of tank to evaluate & report the condition of sanitary, security, structure & coatings conditions of the tank.
2. Ensure tank complies with all federal and state regulations.
3. Provide full engineering report to include photographs of all said items.
4. Inspections are to monitor the current coating condition & deficiencies to determine timeline & extent of future scopes of work.

**YEAR 5 (2023) - 150,000 Gallon Elevated Tank – Brant Beach Legged Tank:**

1. This is the expected time for an exterior overcoat tank renovation.
2. Formal plan for future tank Asset Management Program.
3. Consultation with customer to review conditions and timing.

**AFFIDAVIT**

I, \_\_\_\_\_, being an authorized representative of the firm of \_\_\_\_\_, located in the Township of \_\_\_\_\_, State \_\_\_\_\_, Zip Code \_\_\_\_\_, Phone \_\_\_\_\_, have read and understood the contents of the formal proposal and hereby submit our proposal accordingly as of this date \_\_\_\_\_.

\_\_\_\_\_  
**Signature of Authorized Representative**

\_\_\_\_\_  
**Attest**

**ATTACH POLLUTION LIABILITY INSURANCE CERTIFICATE**

## **Instructions for Completing Pricing Pages**

Attached is the pricing page which is a sum of the 5 tanks. There are two components: first, the three (3) tanks under a Full Asset management program from year one (1) are Plant #1 Beach Haven Terrace Pedisphere, Plant #2 Beach Haven Terrace Ground Tank, and Peahala Park Pedisphere. Shown below is a pricing matrix for the first twenty (20) years of an asset management program that can extend up to forty (40) years as allowed by the New Jersey Public Private Contracting Act. This matrix corresponds with the previous detailed scope of work for each tank.

The schedule of work and fees on the following pages must be completed in full. The Township requests an equal “flat” payment plan for the first seven (7) years of the contract for these (3) three tanks. This flat payment includes the renovations of all three (3) tanks, mixing system installations, repairs, and other services as described in the detailed scope of work for each tank. Note: since this is an asset management program, it is important to include enough funds for all future tank renovations and annual maintenance work, as there will be no change orders accepted.

The annual payment for all years beginning with year eight (8) will include all work described by the included scope of work for that year and accounting for future tank renovations in the asset management program.

The price of initial renovations and the future renovations must be accounted for by the successful firm on this pricing page. Proposals that do not accurately account for the cost of future renovations, ongoing inspection services, regular interior cleaning of the tank, periodic NSF approved chemical cleaning biofilm removal process, emergency services, and complete assurance to repair or replace coating failures will not be accepted. Proposals must account for the estimated cost of NJ Prevailing Wage rates, materials, and other cost items for the future renovation work. Any adjustments to the annual fees will only be allowed by agreed upon criteria that will be defined in the final contract between the Township and successful firm.

This RFQ&P is not a bid. Prices must reflect actual or anticipated costs for all current and future renovation work, and ongoing asset management services to restore and keep the tank in excellent condition for the duration of the contract. Any respondent that does not comply with the instructions on the pricing page will be subject to disqualification.

Please fill in the Cost of each tank scope of work, Each year and total in the row “SUM TOTAL” for each column

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
<b>Beach Haven Terrace PLANT PED TANK 300K GAL</b>	Repairs, Exterior (Blast) Renovation Interior Cleaning PAX Mixer	Visual Insp. Repairs, Touch-ups, Emergency Service	Washout Inspection, Touch-ups, Repairs, Emer Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection Washout, Touch-ups, Repairs, Emergency Service	Interior Blast Renovation Repairs, Touch-ups, Emergency Service.	Visual Insp. Repairs, Touch-ups, Emer Service	Exterior Overcoat, Interior Chemical Clean Touch-ups Emer Service	Visual Insp. Repairs, Touch-ups, Emer Service	ROV Inspection Washout, Touch-ups, Repairs, Emergency Service
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Peahala Park PLANT PED TANK 300K GAL</b>	Visual Inspection	Repairs, Exterior & Interior (Blast) Renovation PAX Mixer	Visual Insp. Repairs, Touch-ups, Emer Service	Washout Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection Washout, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emer Service	ROV Inspection, Touch-ups, Repairs, Emer Service	Exterior Overcoat Interior Chemical Clean, Repairs, Emer Services	Visual Insp. Repairs, Touch-ups, Emergency Service
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Beach Haven Terrace PLANT GROUND STORAGE TANK 330K GAL</b>	Visual Inspection	Interior Blast Renovation PAX Mixer Exterior touch up	Visual Insp. Repairs, Touch-ups, Emer Service	Exterior Overcoat Interior Chemical Clean, Repairs, Emergency Services	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emer Service	Chemical Clean Washout, Touch-ups, Repairs, Emer Service	Visual Insp. Repairs, Touch-ups, Emer Service	ROV Inspection, Touch-ups, Repairs, Emergency Services
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>BRANT BEACH ELEVATED TANK 150K GAL</b>	Washout Inspection Needed Repairs Coatings Monitoring	Visual Inspection Coatings Monitoring	ROV Inspection Coatings Monitoring	Visual Inspection Coatings Monitoring	ROV Inspection Coatings Monitoring	Visual Inspection Coatings Monitoring	Formal Plan for adding tank to Asset Management Program			
<b>Cost</b>	\$	\$	\$	\$	\$	\$	TBD			
<b>HOLGATE ELEVATED TANK 150K GAL</b>	Washout Inspection Needed Repairs Coatings Monitoring	Visual Inspection Coatings Monitoring	ROV Inspection Coatings Monitoring	Visual Inspection Coatings Monitoring	Formal Plan for adding tank to Asset Management Program					
<b>Cost</b>	\$	\$	\$	\$	TBD					
<b>SUM TOTAL</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038
<b>Beach Haven Terrace PLANT PED TANK 300K GAL</b>	Visual Insp. Repairs, Touch-ups, Emergency Service	Chemical Clean Washout, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	Exterior Overcoat, Interior Chemical Clean Touch-ups Emer Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	Chemical Clean Washout, Touch-ups, Repairs, Emergency Service
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>PEAHALA PED TANK 300K GAL</b>	ROV Inspection Washout, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	Chemical Clean Washout, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emer Service	Exterior Overcoat, Interior Chemical Clean Touch-ups Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Beach Haven Terrace PLANT GROUND STORAGE TANK 330K GAL</b>	Visual Insp. Repairs, Touch-ups, Emergency Service	Exterior Overcoat, Interior Chemical Clean Touch-ups Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	Chemical Clean Washout, Touch-ups, Repairs, Emer Service	Visual Insp. Repairs, Touch-ups, Emergency Service	ROV Inspection, Touch-ups, Repairs, Emergency Service	Visual Insp. Repairs, Touch-ups, Emergency Service	Exterior Overcoat, Interior Chemical Clean Touch-ups Emergency Service
<b>Cost</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>SUM TOTAL</b>	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$