

GREENWOOD CPW

GREENWOOD, SOUTH CAROLINA

REQUEST FOR PROPOSALS

For

PROFESSIONAL MAINTENANCE
of
WATER STORAGE VESSELS

April 2009

Greenwood CPW

P.O. Box 549

Greenwood, South Carolina 29648

Section 1. GENERAL INFORMATION

Greenwood CPW is soliciting Requests for Proposals(RFP) to select a firm to enter into a contract for the professional maintenance of the Greenwood CPW elevated water tanks, to include, but not limited to:

Inspection services, rehabilitation, repair, repainting, washout, and preventative maintenance of the CPW's water storage vessels. Proposals shall be accepted until **August 12, 2009 by 5:00 p.m. following a mandatory pre-bid meeting on July 9, 2009 at 9:00 a.m.** at the following location: Greenwood CPW, P.O. Box 549, 121 West Court Ave., Greenwood, South Carolina 29648.

It is the intent of Greenwood CPW, that the selected firm will provide inspection services specific to the maintenance of existing water storage tanks, and all services required for, (specific to water tanks listed), inspection, repair, maintenance, rehabilitation, washout, preventative maintenance, proactive asset management and painting services. The proposal shall address all of the information outlined herein. Additionally, each prospective firm may include such other information as deemed pertinent to the proper evaluation of the proposal. Typewritten Qualifications only shall be submitted in duplicate, each set bound to create a single document containing all required material.

Section 2. SELECTION PROCEDURE

It is intended that one firm shall be selected to perform professional services on behalf of Greenwood CPW for the maintenance of its water storage vessels. Greenwood CPW will evaluate each prospective firm based upon the criteria listed in Section 3. Greenwood CPW shall have the right to interview one or more prospective firms in order to select the best qualified firm(s) and shall also have the right to negotiate with the firm(s) evaluated as the best qualified. Greenwood CPW reserves the right, in its sole discretion, to reject any and all proposals and to re-advertise the Request for Proposals. Failure to comply with the specifications and

maintenance schedule in Section 6 may result in the disqualification of the proposal. Any firm retained by Greenwood CPW shall be subject to termination by Greenwood CPW in its sole discretion.

Section 3. EVALUATION CRITERIA

Proposals will be evaluated by the CPW's evaluation committee using the following criteria:

- A. Experience in performing the requested services 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. References from past and present clients to include the following:
 - a. Ability to meet deadlines
 - b. Turn-over rate of staff assigned to projects
 - c. Typical response time for starting work
 - d. Overall quality of work
- G. Fee and proposed work schedule.
- H. Any other criteria deemed important to Greenwood CPW, in its sole discretion, to evaluate the proposals in order to select the firm that shall best serve the interests of Greenwood CPW.

Section 4. CPW OWNED WATER STORAGE VESSELS

- | | |
|----------------------|----------|
| 1. Reynolds Street | 1.0 MG |
| 2. Middle Street * | 0.75 MG |
| 3. Florida Avenue * | 0.75 MG |
| 4. Hodges * | 0.50 MG |
| 5. Phoenix Street | 0.50 MG |
| 6. Stockman Street | 0.30 MG |
| 7. Wash Water Tank 1 | 0.313 MG |
| 8. Wash Water Tank 2 | 0.178 MG |

*Tanks include mixing systems

Section 5. ITEMS TO BE ADDRESSED IN PROPOSAL

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

A. The proposal shall include an informative narrative report introducing your firm. Additionally, a statement of qualifications and resume detailing the experience of all individuals responsible for providing service under this contract should be submitted. Principals involved should be listed along with the names and addresses of the individuals placed in charge of the administration of the terms and conditions of the contract. The resume of all full time employees dedicated to technical services (engineers and employees certified by the National Association of Corrosion Engineers) are mandatory. In addition, all full time employees assigned to maintenance responsibility for the CPW's water storage vessels shall be listed. Also to be included: (a) Number of years in business (b) Size of the firm – annual sales (c) Total number of

employees – direct and indirect (d) Percentage of work to be subcontracted (e) Reference from a financial institution.

B. The proposal shall include the details of general work and renovation capabilities of the firm. This shall include but not be limited to, available equipment, historical project experience, especially lead abatement experience. To be included are the locations of all operational centers. Multiple operational centers with a national presence shall be given additional consideration.

C. A list of water systems that are currently being managed by the firm 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 thirty (30) systems must be referenced and at least ten (10) must be in the State of South Carolina.

D. The proposal shall describe the details of all items covered by the proposed maintenance and asset management program. These items must include but not be limited to all structural or miscellaneous repairs and maintenance necessary for the vessels. This should include the need for steel replacement, steel parts, foundation repair, expansion joints, water level indicators, sway rods, manhole covers, valves, gaskets and any other components of the vessels. All coating systems are to be included as well. The firm shall warranty all work throughout the duration of the agreement.

E. Proposal shall also specify the frequency and degree of inspection and cleanout services the CPW could expect under the terms of the maintenance and asset management contract. A minimum of three (3) washout inspections with a detailed engineering report shall be conducted in any ten (10)-year period. Additionally, each prospective firm should address the requirements to assume responsibility for all corrections and repairs to the tank necessitated by acts of vandalism and through normal deterioration.

F. All rules and regulations of the **State of South Carolina** will be strictly adhered to. Additionally, a method for determining the future repainting schedule should be addressed for the vessels. **All permits, approvals, etc., required by the State of South Carolina and the Greenwood CPW will be the responsibility of the successful firm.**

G. The successful firm must demonstrate the capability to fully manage and maintain the professional services as outlined in the proposal. A detailed outline of the annual process of managing the vessels must be presented. In addition, the successful firm must demonstrate that the capability is in place to manage the information flow during the course of maintaining the CPW's water storage vessels. Appropriate computer systems must be in place and utilized to track and record the activities of the maintenance plan. The successful firm must have the ability to provide the CPW with information access via a secure internet portal.

H. Each proposal should include a detailed sample contract document for the tanks included in this RFP. The specific timeframe for the contract document shall be limited to one (1) year at which time the contract shall be automatically renewed upon payment of the annual fee. Within the contract document shall be a specific cancellation clause, which indicates procedures that Greenwood CPW, may take for cancellation of the contract. Annual fees paid by Greenwood CPW shall accrue for all future tank major maintenance under the terms of the contract.

I. Each firm shall submit a formal **Safety Program** stating CPW policy on all safety measures. Documented procedures shall include workers' protection, confined space procedures, fall protection, containment procedures and general safety procedures.

J. Each firm must include additional information to outline capabilities available for any situation arising regarding the CPW's water storage vessels. Possible issues which may arise in addition to the scope outlined in this RFP could include but not be limited to: Water storage

vessels design, fabrication, erection, major modification to existing vessels, structural engineering and design, and installation of commercial communication equipment.

K. The CPW specifically reserves the right to personally visit and inspect the operations and offices of each potential firm.

L. The firm must provide evidence to Greenwood CPW that the firm maintains a Professional Liability policy, in accordance with the Insurance Requirements of this RFP.

Section 6. SPECIFICATIONS FOR SERVICES TO BE PROVIDED

The selected firm will obtain SCDHEC approval for all work and approval to place the tank back into service.

YEAR 1 (2009)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Inspection Service

1. ROV, 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 maintenance program.

300,000 Gallon Elevated – Stockman Tank

Inspection Service

1. ROV, 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace logos.

Repairs

1. Secure the Dome Ladder
2. Install a 24" Roof Vent
3. Seal weld the square holes in catwalk floor

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace logos.

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 "Near White" finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - a. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - b. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - c. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - d. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

Interior- Dry

1. All interior dry surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete interior dry surfaces (100%).

Repairs

1. Install an Interior Wet Access Ladder
2. Install a Square Roof Access Hatch
3. Install a Vent Screen on Roof Vent

750,000 Gallon Elevated – Florida Avenue Tank

Inspection Service

1. ROV, 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 maintenance program.

YEAR 2 (2010)

185,000 Gallon Standpipe – WashWater Tank 1

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Install Greenwood CPW logo on one side of above mentioned tank. Logo will be sized to fit the tank.

Repairs

1. Secure Dome Ladder
2. Install Shell Bolted Manway
3. Install Standard Ladder Gate
4. Install Access Ladder Cable Safety Climb
5. Install 24" Roof Vent
6. Repair leak in weld seam by means of welding leak hole and grinding down.

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - e. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - f. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - g. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - h. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. Retrace logos.

Repairs

1. Install Overflow Screen
2. Install Vent Screen

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - i. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - j. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - k. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - l. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace logo
6. Install Greenwood CPW logo to the second side. Logo will be same size as current logo.

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - m. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - n. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - o. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - p. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).

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

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 3 (2011)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 4 (2012)

185,000 Gallon Standpipe – WashWater Tank 1

Inspection Service

1. ROV, 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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

Repairs

1. Install Standard Ladder Gate
2. Install Access Ladder Cable Safety Climb

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 "Near White" finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - q. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - r. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - s. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - t. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

300,000 Gallon Elevated – Stockman Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

6. Retrace Logos
7. Paint all concrete foundations

Repairs

1. Secure Dome Ladder
2. Install 24” Roof Vent
3. Install Riser Bolted Manway
4. Remount antenna of vent
5. Seal weld leak in lower riser

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish. The commercial additive “BLASTOX” shall be used on in the blast media.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - u. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - v. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - w. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - x. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

1,000,000 Gallon Elevated – Reynolds Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - y. *Primer Coat:* One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - z. *Finish Coat:* One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - aa. *Contrasting Color:* Each coat of epoxy paint shall be of contrasting color.
 - ab. *Stripe Coat:* One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

750,000 Gallon Elevated – Middle Street Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. Retrace Logos

Repairs

1. Install Standard Ladder Gate
2. Install Access Ladder Cable Safety Climb
3. Install Dome Ladder Cable Safety Climb
4. Secure Roof Hatch

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - ac. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - ad. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - ae. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - af. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).

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

YEAR 5 (2013)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 6 (2014)

185,000 Gallon Standpipe – WashWater Tank 1

Inspection Service

1. ROV, 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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Inspection Service

1. ROV, 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 maintenance program.

300,000 Gallon Elevated – Stockman Tank

Inspection Service

1. ROV, 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Middle Street Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

750,000 Gallon Elevated – Florida Avenue Tank

Inspection Service

1. ROV, 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 maintenance program.

YEAR 7 (2015)

185,000 Gallon Standpipe – WashWater Tank 1

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds Tank

Inspection Service

1. Washout, disinfect, and inspect the tank.

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 maintenance program

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street Tank

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 8 (2016)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Inspection Service

1. ROV, 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 maintenance program.

300,000 Gallon Elevated – Stockman Tank

Inspection Service

1. ROV, 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue Tank

Inspection Service

1. ROV, 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 maintenance program.

YEAR 9 (2017)

185,000 Gallon Standpipe – WashWater Tank 1

Inspection Service

1. ROV, 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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

300,000 Gallon Elevated – Stockman Tank

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

1,000,000 Gallon Elevated – Reynolds Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

750,000 Gallon Elevated – Middle Street Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

750,000 Gallon Elevated – Florida Avenue Tank

Inspection Service

1. Washout, disinfect, and inspect the tank.
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 maintenance program

YEAR 10 (2018)

185,000 Gallon Standpipe – WashWater Tank 1

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logo

Inspection Service

1. ROV, 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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

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 maintenance program.

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 11 (2019)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Inspection Service

1. ROV, 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 maintenance program.

300,000 Gallon Elevated – Stockman Tank

Inspection Service

1. ROV, 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.

2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - ag. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - ah. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - ai. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - aj. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

750,000 Gallon Elevated – Florida Avenue Tank

Inspection Service

1. ROV, 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 maintenance program.

YEAR 12 (2020)

185,000 Gallon Standpipe – WashWater Tank 1

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - ak. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - al. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - am. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.

- an. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
 5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
 6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
 7. The Tank shall be sealed and made ready for service.

346,000 Gallon Standpipe – WashWater Tank 2

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).

300,000 Gallon Elevated – Stockman Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

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 maintenance program.

1,000,000 Gallon Elevated – Reynolds Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - ao. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - ap. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - aq. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - ar. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

500,000 Gallon Elevated – Phoenix Street 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 maintenance program.

750,000 Gallon Elevated – Middle Street Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - as. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - at. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - au. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - av. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue Tank

Exterior

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
5. One (1) full finish coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces (100%).
6. Retrace Logos

YEAR 13 (2021)

185,000 Gallon Standpipe – WashWater Tank 1

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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

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 maintenance program.

300,000 Gallon Elevated – Stockman 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 maintenance program.

1,000,000 Gallon Elevated – Reynolds 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Middle Street 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 maintenance program.

500,000 Gallon Fluted Column – Hodges Tank

Inspection Service

1. ROV, 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue 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 maintenance program.

YEAR 14 (2022)

185,000 Gallon Standpipe – WashWater Tank 1

Inspection Service

1. ROV, 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 maintenance program.

346,000 Gallon Standpipe – WashWater Tank 2

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - aw. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - ax. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - ay. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - az. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

300,000 Gallon Elevated – Stockman Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - ba. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - bb. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - bc. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - bd. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

1,000,000 Gallon Elevated – Reynolds Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Elevated – Phoenix Street Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:

- be. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - bf. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - bg. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - bh. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
 5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
 6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
 7. The Tank shall be sealed and made ready for service.

750,000 Gallon Elevated – Middle Street Tank

Inspection Service

1. ROV, 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 maintenance program.

500,000 Gallon Fluted Column – Hodges 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 maintenance program.

750,000 Gallon Elevated – Florida Avenue Tank

Interior - Wet

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 “Near White” finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - bi. Primer Coat: One [1] complete coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 3 to 5 mils.
 - bj. Finish Coat: One [1] complete finish coat of Tnemec Series 20 Epoxy shall be applied to achieve a dry film thickness of 4 to 6 mils.
 - bk. Contrasting Color: Each coat of epoxy paint shall be of contrasting color.
 - bl. Stripe Coat: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

Washouts, rov inspection, and visual inspection services shall continue as shown above. Rov and visual inspections shall be on alternating annual basis. Washout inspections shall be completed every five years. Inspection reports shall be provided to customer after each visual, rov, and washout inspections. 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, over coated approximately every eight to ten years and interiors renovated every ten to twelve years.

NOTICE:

1. *The tank's renovation specifications, repairs, and routine maintenance and inspections outlined above must be strictly adhered to. The Firm shall not be allowed to deviate from these specifications. This includes surface preparation, coating selection, coating application, tank repairs, scheduled washout and engineering inspections, and preventive maintenance.*

2. *The renovation projects, routine maintenance, inspections, and evaluations outlined in the "Schedule of Work" must be completed in accordance with the specified timeframe. All maintenance program costs must be calculated with the completion deadline of these projects in mind.*

Greenwood Commissioners of Public Works

Schedule of Work and Fees

	Year 1 2009	Year 2 2010	Year 3 2011	Year 4 2012	Year 5 2013	Year 6 2014	Year 7 2015
Tank 300,000 Stockman Street Tank	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs
500,000 Phoenix Street Tank	Exterior Renovation Rov Inspection Listed Repairs	Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs
500,000 Hodges Tank	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Washout Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs
1,000,000 Reynolds Tank	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Washout Inspection Any Needed Repairs
750,000 Middle Street Tank	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Washout Inspection Any Needed Repairs
750,000 Florida Avenue Tank	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs
185,000 Wash Water Tank 1	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Washout Inspection Any Needed Repairs
346,000 Wash Water Tank 2	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior & Exterior Renovation Listed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs

Total

Greenwood Commissioners of Public Works

Schedule of Work & Fees Continued

	Year 10 2018	Year 11 2019	Year 12 2020	Year 13 2021	Year 14 2022
Tank 300,000 Stockman Street Tank	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Exterior Renovation Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs
500,000 Phoenix Street Tank	Visual Inspection Any Needed	Rov Inspection Any Needed	Visual Inspection Any Needed	Rov Inspection Any Needed	Interior Renovation Any Needed

	Repairs	Repairs	Repairs	Repairs	Repairs
500,000 Hodges Tank	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs
1,000,000 Reynolds Tank	Exterior Renovation Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs
750,000 Middle Street Tank	Exterior Renovation Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs
750,000 Florida Avenue Tank	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Exterior Renovation Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs
185,000 Wash Water Tank 1	Exterior Renovation Rov Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs
346,000 Wash Water Tank 2	Visual Inspection Any Needed Repairs	Rov Inspection Any Needed Repairs	Exterior Renovation Visual Inspection Any Needed Repairs	Visual Inspection Any Needed Repairs	Interior Renovation Any Needed Repairs
Total					

Section 7. INDEMNITY

The Agreement for services shall provide that the selected firm shall defend, indemnify and hold harmless, Greenwood CPW and any officials, officers, or employees from and against damages, liability,

losses, costs, expenses, of any nature whatsoever, whether incurred as a judgement, settlement, penalty, fine or otherwise (including reasonable attorney's fees and the costs of defense) in connection with any action, proceeding, demand or claim arising out of or resulting from the performance of services under this Agreement of the firm, its employees, agents, or subcontractors, or others for whom the firm is legally liable for the performance of services under this Agreement, provided, however, that the firm shall not be required to indemnify or hold Greenwood CPW harmless to the extent such damages or liabilities are caused by the negligence of Greenwood CPW or its employees.

Section 8. INSURANCE REQUIREMENTS

The firm shall take out and maintain throughout the contract period the following minimum insurance:

- a. Workmen's compensation and employers' liability insurance as required by law, covering all of the Contractor's employees who perform any of the obligations of the Contractor under the contract. If any employer or employee is not subject to the workmen's compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workmen's compensation laws.
- b. General liability insurance covering all operations and including contractual liabilities under the contract shall have limits for bodily injury or death of not less than \$2 million each occurrence, limits for property damage of not less than \$2 million each occurrence and \$1 million aggregate for accidents during the policy period. A single limit of \$2 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.
- c. Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, non-owned or hired, shall have limits for bodily injury or death of not less than \$1 million per person per and \$1 million each occurrence and property damage limits of \$1 million for each occurrence. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.
- d. Professional Liability Insurance for the services rendered under the terms of this Agreement in an amount not less than \$2 million, each claim/aggregate. If this coverage is claims made, it must be maintained beyond the expiration or termination of this Agreement until the Statute of Limitations has expired (8 years) for any and all projects.
- e. Builder's Risk Insurance shall be maintained until the project is completed and is accepted by the Owner, the Firm is required to maintain Builder's Risk Insurance adequate to fully cover the insurable portion of the project for the benefit of the Owner, the prime Firm, and sub-firms as their interest may appear.
- f. Pollution Liability, this insurance shall cover Pollution Liability in amounts of at least \$10,000,000.
- g. Umbrella Liability or Excess Liability police in amounts of at least \$10,000,000 shall be provided.

The Owner shall have the right at any time to require public liability insurance and property damage liability insurance greater than those required in subsections "b" and "c". In any such event, the additional premium or premiums payable solely as the result of such additional insurance shall be added to the fee.

The policies of insurance shall be written on an occurrence basis or claims made basis, provided that any claims made policies must be maintained after the expiration or termination of this Agreement until any and all applicable statute of limitation periods have expired. The policies of insurance, required in subsections "b" and "c" above, shall name the Owner as an additional insured. All policies shall be in such form and issued by such insurer as shall be satisfactory to the Owner. The Engineer shall furnish the Owner a certificate evidencing compliance with the foregoing requirements which shall provide not less than thirty (30) days prior written notice to the Owner of any cancellation or material change in the insurance.

AFFIDAVIT

I, _____, being an authorized representative of the firm of _____, located in (County) _____, (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 INSURANCE CERTIFICATE