ADDENDUM NO. 1 **March 2, 2026**

RE: **Avilla**
Water Storage Tank Maintenance
Salem Water Users Association PWA
Saline County, Arkansas

FROM: GarNat Engineering, LLC
3825 Mt Carmel Road
Bryant, Arkansas 72022

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated **February, 2026** as noted below. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of one (1) page and one (1) attachment consisting of fifteen (15) pages. (16 total pages)

GENERAL

Acknowledge receipt of this addendum by signing in the space provided below and returning this page to the Engineer by e-mail to garnatengineering@gmail.com.

_____
Signature

_____
Company Name

CHANGES TO TECHNICAL SPECIFICATIONS

A. Section 09876 – Repair and Repainting of Existing Water Storage
   1. Delete Section 09876 and replace with enclosed document.
B. Section 11268 – Mechanical Mixing System
   1. Delete Paragraph 3.02.B.8 and replace with the following:
   8. INSTALLER will furnish and install a GFI breaker/disconnect inside the existing load center.

END OF ADDENDUM

SECTION 09876 – REPAIR AND REPAINTING EXISTING WATER STORAGE TANK

PART 1 - GENERAL

1.01 SUMMARY:

A. This section covers repair, preparation of surface, performance and completion of painting the interior and exterior tank surfaces.

B. It has been assumed that neither the interior nor the exterior coating system of the tank has lead content, however, the Contractor shall provide testing for lead.

C. If lead testing results show the need for a lead abatement program, price negotiations with Contractor shall be made in order for Contractor to handle all costs associated with waste sampling, worker's protections, environmental pollution control, handling of debris, laboratory analysis, and disposal of non-hazardous and hazardous waste.

D. Contractor shall use an abrasive additive when blast cleaning such as Blastox or Enviro-Prep in an attempt to render the lead (if present) immobile and safe for long-term sanitary landfill disposal or recycling.

E. Avoid damage to seams, plates, and pipe connections.

F. Initiate, maintain, and supervise safety precautions and programs in connection with this Work.

G. Work Includes:

1. Preparation of surfaces, both interior and exterior, which are to receive finishes.
2. Proper disposal of all debris.
3. Tank Repairs.
4. Finish surfaces and logos, as required.
5. Replacement/Repair of the following tank components:
    - Relocate all the unsecured coax, tie and secure by clamping.
    - Excavate earth away from the tanks foundation to expose 6" of concrete wall
    - Tighten all loose anchor bolts.
    - Install neoprene weather stripping gasket on roof hatch.
    - Install tank mixing system per plan.
    - Install climb-prevention system per plan.
6. Cleaning.
7. Testing.
8. Disinfection of Tank.

H. All material exposed to potable water shall be NSF & NSF 600 approved for such use.

I. In addition to the requirements of the Contract for General Liability and other insurance coverage, the Contractor shall be required to carry a minimum of $1,000,000 (one million dollars) of pollution hazard coverage. An approved insurance certificate indicating the required pollution hazard coverage shall be provided before award of contract.

1.02 RELATED SECTION: Section 02511 – Disinfection of Water Storage Tanks.

1.03 ABBREVIATIONS:

MDFT	Minimum Dry Film Thickness
MDFTPC	Minimum Dry Film Thickness Per Coat
Mil	Thousandths of an Inch
SFPG	Square Feet Per Gallon
SFPG	Square Feet Per Gallon Per Coat
SP	Surface Preparation

1.04 REFERENCES:

A. Coating Manufacturer's printed instructions.

B. American Water Works Association, 666 West Quincy Avenue, Denver, Colorado 80235.
   1. AWWA Standard C652-11-Disinfection of Water Storage Facilities, latest edition.
   2. AWWA D102-21-Coating Steel Water Storage Tanks, latest edition.
   3. AWWA D100-11-Welded Carbon Steel Tanks for Water Storage, latest edition.
   4. AWWA Manual of Water Supply Practices: M42 Steel Water Storage Tanks, latest edition.

C. Society for Protective Coatings, 4400 Fifth Avenue, Pittsburgh, Pennsylvania 15213-2683.
   1. SSPC Systems and Specifications, Vol. 2, Sixth Ed.
   2. SSPC SP10 – Near-White Metal Blast Cleaning
   3. SSPC-PA2 Paint Thickness Measurement
   4. SSPC-PA5 Guide to Maintenance Painting Programs.
   5. SSPC-SP6 Commercial Blast Cleaning.
   6. SSPC SP3 Power Tool Cleaning.
   7. SSPC-Guide 6 (CON), Guide for Containing Debris Generated During Paint Removal Operations.
   8. SSPC-Guide 7 (DIS), Guide for the Disposal of Lead-Contaminated Surface Preparation Debris.

D. American National Standards Institute/National Sanitation Foundation.
   1. ANSI/NSF Standard 61 – Listed Drinking Water System Components – Health Effects.
   2. NSF/ANSI/CAN 600 – New Extraction Requirements.

E. Code of Federal Regulations, Washington, D.C. 20402.
   1. 29 CFR 1910 – Occupational Safety and Health Standards (General Industry Standards).
   2. 29 CFR 1910.134- Respiratory Protections
   3. 29 CFR 1910.1020- Access to Employee Exposure and Medical Records
   4. 29 CFR 1910-1025 – Lead.
   5. 29 CFR 1910.1200 Hazard Communications.
   6. 29 CFR 1926- Safety and Health Regulations for Construction (Construction Industry Standards).
   7. 29 CFR 1926.62- Interim Final Standard on Lead Exposure in Construction.

8. 40 CFR 50- National Primary and Secondary Ambient Air Quality Standards.
9. 40 CFR 261- Identification and Listing of Hazardous Waste.
10. 40 CFR 262- Standard Applicable to Generators of Hazardous Waste.
11. 40 CFR 265- Subpart I – Use and Management of Containers.
12. 40 CFR 268- Land Disposal Restrictions.

F. Arkansas Department of Pollution Control and Ecology, Little Rock, Arkansas.
1. Regulation No. 23 – Hazardous Waste.

G. National Institute for Occupational Health and Safety.
1. NIOSH Method 7082 – Lead.

H. Occupational Safety and Health Administration, Washington, D.C. 20402.
1. OSHA Booklet 3126 – Working with Lead in the Construction Industry.

I. Adhere to the Clean Air Act, 1992 regulations.

J. Adhere to the Environmental Protection Agency (EPA), Resource Conservation and Recovery Act (RCRA) regulations.

K. Society for Protective Coatings
1. SSPC – Systems and Specifications, Vol. 2, Sixth Ed.
2. SSPC-PA2 – Paint and Thickness Measurement.
3. SSPC-PA5 – Guide to Maintenance Painting Programs.
4. SSPC-Guide 6 (CON), Guide for Containing Debris Generated During Paint Removal Operations.
5. SSPC-Guide 7 (DIS), Guide for the Disposal of Lead-Contaminated Surfaces Preparation Debris.

1.05 SUBMITTALS:

A. Provide the following:
1. Obtain from each paint manufacturer for submittal to Engineer:
- Paint System Data Sheet (PSDS) for the paint system used.
- Material Safety Data Sheets (MSDS) for each product used in the paint system.
- Technical Data sheets for each product used in the paint system.
2. Submit the required information on a system-by-system basis
3. Provide copies of the paint system submittals to the coating applicator.
4. A sample PSDS form is appended at the end of this Section.

B. Paint Color Samples: Submit paint color charts displaying the full color selection available from the paint manufacturer selected by contractor for use during the Color Selection Conference.

C. Environmental and worker protection plan.

D. TCLP test results for initial ground samples, debris, and final ground samples.

1.06 QUALITY ASSURANCE:

A. Representative of the paint manufacturer, familiar with the products specified shall be available at job sit at initial starting of coating work and at intervals during surface preparation and painting as may be required for product application quality assurance, to determine compliance with manufacturer's instructions and these

Specifications, and as may be necessary to resolve field problems attributable to, or associated with, manufacturer's products furnished under this Contract.

B. Inform Engineer a minimum of 3 days in advance of the start of surface preparation work or coating application work.

C. For coatings subject to immersion, full cure must be obtained for the completed system. Consult coatings manufacturer's written instructions for these requirements. Coating shall not be immersed for any purpose until completion of curing cycle.

D. Inspection by Engineer, or waiver of inspection of any particular portion of the Work, shall not be construed to relieve Contractor of his responsibility to perform the Work in accordance with these Specifications.

E. Application and surface preparation standards shall comply with requirements of the Steel Structures Painting Council's Painting Manual Volume 1, Good Painting Practices and the American Water Works Association standard for Painting Steel Water Storage Tanks, D102.

1.07 DELIVERY, STORAGE, AND HANDLING:

A. Deliver materials to the Project site in factory sealed original labeled unopened containers.

B. Clearly label containers to show manufacturer's name, product name, date of manufacture, and color.

C. Labels shall remain legible throughout field storage period and at time of use.

D. Store paints in a suitable protected area that is heated or cooled as required to maintain temperatures within the range recommended by the paint manufacturer.

E. Take precautionary measures to prevent fire hazards.

1.08 ENVIRONMENTAL CONDITIONS:

A. Provide adequate continuous ventilation and sufficient heating facilities to maintain temperatures above the minimum 25-foot candles (270 lx.) of lighting on surfaces finished.

B. Provide minimum 25-foot candles (270 lx.) of lighting on surfaces to be finished.

1.09 CONTAINMENT AND DISPOSAL OF DEBRIS:

A. Take precautions necessary to avoid adversely affecting the surrounding environment with blast media or paint particle drift or overspray. Contractor's activities shall comply with federal, state and local requirements for environmental pollution control.

B. If the existing paint on the exterior surfaces of the tank has been found to have high lead content, the contractor shall prevent the migration of abrasive blast media, dust, and paint residue onto or from the property of the Owner. Containment structure shall meet the requirements of SSPC Class 4 or greater (refer to SSPC- Guide 6 (CON) Guide for Containing Debris Generated During Paint Removal Operations) in accordance with applicable Federal, State, and local regulations.

C. For disposal of surface preparation debris, refer to SSPC- Guide 7 (DIS) Guide for the Disposal of Lead-Contaminated Surface Preparation Debris. Surface preparation

debris shall be disposed of in accordance with applicable federal, state, and local regulations.

D. Contractor shall be responsible for testing the soil for lead content and for removing, handling and disposal of soil that is contaminated with lead from the operations and replacement with uncontaminated soil.

E. Contractor shall place waterproof plastic sheeting on the ground surrounding the exterior of the tank, which is bermed to sufficient depth to contain all debris generated in the clearing process.

F. All expenses associated with the soil sampling and lead analysis shall be included in the base price to clean and paint the tank.

G. The Contractor shall be responsible for all cost associated with containment and waste disposal that may result from the execution of this project.

1.10 OPERATIONS SPECIFIC FOR LEAD ABATEMENT

A. General Requirements

1. Contractor shall remove 100 percent of the existing lead containing paint systems. Surfaces of welds shall be scraped, chipped, and wire brushed as necessary to remove all residual paint and residue.
2. All lead abatement operations, including recovery and disposal of blasting materials, shall be performed in accordance with 19 CFR 20-8.020.
3. All lead abatement workers and supervisors and lead inspectors shall be certified in accordance with 19 CFR 20-8.020.
4. The contractor shall provide copies of the testing data and permits required to prove to appropriate regulatory agencies that blasting residue is safe for disposal in a sanitary landfill.

B. Containment and Air Monitoring

1. The containment system shall be Class 3 or better as outlined in SSFC – Guide 6 (CON) with emissions monitored in accordance with the methods specified in Section 4 “Procedures”. Dust collectors shall be used in conjunction with the forced airflow.
2. The OWNER reserves the right to stop work or to require additional or different enclosure methods, if the CONTRACTOR’S operations create a nuisance beyond the site in the sole opinion of the Owner or any regulatory agency.
3. CONTRACTOR shall be responsible for continuously monitoring the ambient air outside the work zone for lead contamination associated with lead paint removal.
4. CONTRACTOR will employ monitoring methods complying with USEPA methods for surveillance of lead in ambient air as described in Title 40, Code of Federal Regulations, Part 58, Appendix E.

5. Ambient air samples shall be collected before, during, and after surface cleaning operations associated with this contract.
6. Ambient samplers will be positioned upwind and downwind of the tank being cleaned at locations in conformance with EPA regulations.
7. Ambient air sampling and analysis shall include appropriate quality assurance/quality control measures to assure validity of data and must include the use of chain of custody forms for all samples submitted for analysis, field blank corrections, analysis of upwind and downwind filters and at least one upstream and one downstream sample for analytical spike recovery.

1.11 PROTECTION AND SAFETY PRECAUTIONS:

A. Plug and protect the tank inlet/outlet pipe at all times during the execution of the work to prevent damage and the entrance of sand and debris.

B. Adequately protect other surfaces from paint and damage. Repair damage as a result of inadequate or unsuitable protection.

C. Inspect tank surfaces, ladders, and rigging connections prior use. Any excessively deteriorated parts shall be repaired or replaced prior to use.

D. Contractor's activities and equipment used on the job site shall be in compliance with federal, state, and local law. Take all precautions necessary to avoid adversely affecting the surrounding environment with blast media or paint particle drift or overspray. Defective or substandard equipment shall not be used. Hoists, ladders, electrical equipment, scaffolding, and hand or powered tools shall meet safety standards.

1.12 CRITERIA FOR CONTROLS OVER WORKER PROTECTION:

A. OSHA requirements for worker protection as outlined in 29 CFR 1910.1025 Lead and OSHA Booklet 3126 Working with Lead in the construction Industry shall be followed.

B. Contractor shall provide necessary protection required by the applicable federal, state, and local laws for the removal of the paint linings for his personnel and or the Owner's representative who will be observing the Work. This includes, but is not limited to, exposure monitoring, respiratory protection, compliance program, protective work clothing, worker personal hygiene, project housekeeping, worker medical surveillance/blood lead level testes, employee information and training, project record keeping. The Contractor shall be responsible for associated costs of the above-mentioned items and those costs associated with the testing required to ensure worker/observer protection as required by the applicable federal, state and local laws.

C. Contractor shall submit a detailed worker protection plan for approval by the Engineer at least 10 days prior to starting of work. This plan shall comply with the most current OSHA and other governmental agency standards for workers exposed to lead. This plan shall include, but not be limited to, the following programs that the Contractor will implement for this project:

1. Employee exposure monitoring.
2. Respiratory protection/
3. Personal Hygiene
4. Medical surveillance.
5. Employee training.
6. Protective work clothing
7. Housekeeping
8. Warning signs
9. Verification of compliance.

D. Submit current manufacturer's product data sheets as well as material safety data sheets. Also, have these documents available to your employees at the job site.

1.13 WARRANTY:

A. Guarantee to the Owner the Work under this Section against defective workmanship and materials for a period of 1 year commencing on the date of final acceptance of the Work.

B. A first anniversary inspection shall be conducted by the Owner or Representative with the Contractor present in accordance with AWWA Standard D 102-21, Section 5.2.

PART 2 – PRODUCTS

2.01 PAINT AND COATINGS SUPPLIERS:

A. Information on products submitted for approval of Engineer shall include manufacturer's literature on each product giving the name, generic type, descriptive information, solids by volume, recommended dry film thickness, and certified test reports showing results to equal or exceed the product requirements as specified, or fails to meet the product requirements specified in this Section.

B. Specified products are those manufactured by Tnemec Co., Inc., Kansas City, MO and are specified as the standard of quality required for use on this project. Tnemec Company Arkansas Representative: Eagle Rock Coatings, Myron McWherter, phone: 501-231-7919 website: Tnemec.com/eaglerock.

C. Equivalent products by other manufacturers are acceptable, providing they meet or exceed all performance criteria of the specified materials. No products shall me considered that would decrease film thicknesses or offer a change in generic type of coating specified.

D. Products for each specified function and system shall be of a single manufacturer.

2.02 PAINT MATERIALS:

A. Interior Primer: TNEMEC Series 93/94-H20 Hydro-Zinc

B. Interior Stripe Coat: TNEMEC Series 21 or N140/N140F Pota-Pox Plus

C. Interior Finish Coat: TNEMEC Series 21 Epoxoline

D. Exterior Spot Primer & Primer: TNEMEC Series 132/135 Protuff

E. Exterior Finish & Logo: TNEMEC Series 1094 Endura-Shield

2.03 COLOR SELECTION: Coordinate with Owner and Engineer as specified for final color selections

2.04 MATERIAL PREPARATION:

A. Mix and thin materials according to manufacturer's latest printed instructions.
B. Do not use materials beyond manufacturer's recommended shelf life.
C. Do not use mixed materials beyond manufacturer's recommended pot life

PART 3 – EXECUTION

3.01 GENERAL:

A. Provide a paint system, including primer and finish coats, produced by the same paint manufacturer. Provide thinners, cleaners, driers, and other additives as recommended by the paint manufacturer of the particular coating.
B. Only paint delivered to the job site in sealed labeled containers will be permitted for use.
C. Any damage to Owner's property or surrounding property due to contractor negligence shall be completely repaired to the Owner's satisfaction as the contractor's expense.

3.02 INTENT: Inspect and prepare substrate surfaces in accordance with these Specifications and the printed directions and recommendations of the paint manufacturer whose product is to be applied.

3.03 PROTECTION OF MATERIALS NOT TO BE PAINTED:

A. Remove, mask, or otherwise protect hardware, lighting fixtures, switchplates, aluminum surfaces, machined surfaces, couplings, shafts, bearings, nameplates on machinery, and other surfaces not intended to be painted.
B. Provide drop cloths to prevent paint materials from falling on or marring adjacent surfaces. Portable covers may be moved out of the area and returned to their current position after painting is completed.
C. Protect working parts of mechanical and electrical equipment from damage during surface preparation and painting process.

3.04 SAFETY: Paint in strict accordance with the safety recommendations of the paint manufacturer; with the safety recommendations of the National Association of Corrosion Engineers contained in the publication, Manual for Painter Safety; Federal, State, and local agencies having jurisdiction.

3.05 PAINT MIXING:

A. Prepare multiple-component coatings using all contents of the container for each component as packaged by the paint manufacturer.
B. No partial batches will be permitted.

C. Do not use multiple-component coatings beyond their pot life.
D. Provide small quantity kits for touch-up painting and for painting other small areas.
E. Mix only the components specified and furnished by the paint manufacturer.
F. No intermixing of additional components for reasons of color or otherwise, even within the same generic type of coating, will be permitted.
G. Keep paint materials sealed when not in use.
H. Where more than one coat of a material is applied within a given system, color will be alternated to provide a visual reference that the required number of coats has been applied.

3.06 SURFACE PREPARATION FOR TANK:

A. Interior Tank Surface Preparation: all interior surfaces shall be cleaned by Blast Cleaning as outlined in the Society for Protective Coatings Specification SSPC-SP 10.
B. All paint particles and used blast media containing paint particles shall be collected by the Contractor. Non-hazardous and hazardous waste shall be disposed of by the Contractor. Disposal shall be in accordance with federal, state, and local requirements.
C. Abrasive materials shall be selected to produce the required anchor pattern and no evidence of a polished or preened surface will be accepted. Depth of anchor pattern is to be measured by using a Keane-Tator Surface Profile Comparator or Testex Profile Tape prior to the application of prime coat.
D. The compressed air used for blasting shall be free of water and oil. Adequate traps and separators shall be used to ensure elimination of all contaminants.
E. Blasting shall not be performed when the surface temperature is less than 5 degrees F. above the dew point to prevent the formation of a rust bloom. Dew point and surface temperature readings shall be taken prior to blasting to ensure this condition. Care should be exercised to avoid hand or clothing contamination of freshly blasted surface.
F. Blasting of exterior surfaces shall not be performed when wind velocities cause residue to drift and be deposited on adjacent property.
G. Dust, blasting debris, and contaminants shall be removed from the surface prior to painting.
H. Weld pits deeper than 1/8 inch and seams require repair. Complete welding and other interior repairs, except for the caulking, prior to applying the primer.
I. Interior welds, burning or repairs on/or affecting previously blast cleaned areas shall be reblasted to duplicate the surrounding area. If immediate repair is not feasible, the affected area shall be masked off (a minimum of 6 inches in any direction from a weld) and repaired following application of the primer.
J. Masked repair areas shall be feathered by abrasive loth or wheel and cleaned in accordance with this Section prior to coating application.
K. Exterior Tank Surface Preparation: all exterior shall be pressure wash cleaned using 3500psi or greater with a rotating nozzle. Surface must be clean, dry and

free of oil grease and other contaminants. Rust or weld burns shall be cleaned in accordance to SSPC-SP12 Power-Tool Clean to Bare Metal and feathered out to good coating.

3.07 INSPECTION:

A. Degree of surface cleanliness and blast profile of steel surfaces shall conform to the specifications detailed in Section 3.06 – SURFACE PREPARATION. Reference SSPC or NACE visual standards and consult Testex tape to verify anchor pattern.

B. Wet film thickness readings for successive coats shall be taken as soon as possible at a frequency of at least one per 100 square feet.

C. Dry film thickness readings of steel surfaces shall be taken prior to the application of successive coats with a nondestructive magnetic type gauge in accordance with SSPC-PA-2

D. All interior coated steel surfaces shall receive holiday testing with a Tinker and Rasor Model M-1, or equivalent, low voltage holiday detector. Any areas failing this test shall be marked and receive and additional repair coat in accordance with Section 3.04 – INTERIOR TANK PAINTING until satisfactory test results are achieved.

E. The final film is to be visually inspected and should be free of sags, runs, wrinkles and other excessive film-build characteristics and surface defects.

3.08 REPAIRS:

A. Repairs shall be made in a manner to affect a permanent repair. Welding shall be done by qualified personnel. Care shall be taken to avoid damage to seams, plates and pipe connections, which could result in leakage. The Contractor shall guarantee the water tank to be free from leakage upon completion of his Work.

B. Welding on the tank shall be in conformance with requirements of AWWA Standard for welded steel tanks for water storage (AWWA D100-11)

C. Immediately after blast cleaning the tank interior and exterior surfaces, an inspection shall be made by the Engineer in the presence of the Contractor to determine if any pit or additional seam repair (caulking or welding) will be required.

D. Concrete foundations shall be dug up to 6 inches below grade and brush-off blast cleaned. Any deteriorated areas found shall be repaired with a patching mortar to the original contour. Following repairs, the concrete shall be coated with the specified exterior (paint) coating system

3.09 SOLVENT CLEANING: Solvent cleaning shall consist of removal of foreign matter such as oil, grease, soil, drawing and cutting emulsions, cleaning compounds, steam cleaning, or similar materials and methods which involve a solvent or cleaning action. This method conforms to Society for Protective Coatings SSPC-SP 1.

3.10 TESTING OF SOIL AND PAINT DEBRIS:

A. Soil samples and paint debris shall be tested for lead level content. Contractor shall be responsible for getting samples to the testing laboratory. Laboratory shall run a TCLP test to determine the lead content of the debris and the proper disposal requirement.

B. Collect Soil samples from four (4) sites equally spaced around the tank at locations directed by the Engineer. Use 2-inch-deep cube for each sample. Mix all four samples together then send one cup of mixture to laboratory for testing. Send first sample prior to beginning paint removal. Send second sample after painting is complete and all debris has been removed.

C. Collect 100 grams (one cup) of paint debris after blasting interior of tank and 100 grams of paint debris after blasting exterior of tank.

3.11 APPLICATION:

A. Prepare surface and touch-up welds, burned and abraded areas on primed steel with specified primer before applying field coats.

B. Mix, thin and apply each coating at the rate and manner specified by the manufacturer's printed instructions. Deficiencies in film thickness shall be corrected by the application of an additional coat(s) of paint.

C. Coatings shall be applied in strict accordance with the applicable manufacturer's current printed product data sheet(s) and container labels. Coatings shall not be applied above or below the minimum/maximum surface temperatures as stated on the product data sheet(s) and shall not be applied to wet or damp surfaces, in rain, fog or mist. Surface temperature must be at least 5 degrees F. above the dew point. Work areas shall be free of airborne dust at the time of application and while coating is drying.

D. Painting shall be completed well in advance of the probably time of day when condensation will occur and the surface temperature is expected to drop below the minimum listed on the applicable product data sheet(s).

E. Finish coats shall be uniform in color and sheen without streaks, laps runs, sags or missed areas.

F. The manufacturer's recommended curing time shall elapse before the next coat is applied. Adequate ventilation shall be provided for proper drying of paints on interior tank surfaces. A minimum of 7 days following the application of the final coat on the interior surfaces shall be allowed before the tank is flushed, disinfected or filled with water.

G. A Tnemec manufacturer's representative shall make a minimum of two (2) site visits per tank to assure conformity with manufacturer's recommendations for paint application, surface preparation, surface preparation, etc.

3.12 INTERIOR TANK PAINTING:

A. Welding: Weld pits and seams authorized by the Engineer. Welding shall comply with the requirements of AWWA D-100 and shall be done prior to applying the prime coat. Interior repairs, except for caulking, shall be complete

prior to primer application.

B. Gapped, lapped and stitch welded seams shall be caulked after topcoat has cured.

C. Prime Coat: Immediately after blasting and before any rusting occurs (12 hours maximum) apply one coat to all bare steel surfaces at a dry film thickness of 2.5 to 3.5 mils.

D. Striping and Caulking: Stripe coat all welded or lapped seams, rivets and pitted areas. Caulk after finish coat gapped, lapped and skip welded seams, including beam, stiffener, roof lap and roof/sidewall seams.

E. Finish Coat: Apply at a dry film thickness of 12.0 to 16.0 mils per coat.

F. Minimum Dry Film Thickness: 14.5 mils.

3.13 EXTERIOR TANK PAINTING:

A. Prime Coat: Immediately after cleaning and before any rusting occurs (8 hours minimum) apply one coat of TNEMEC Series 132/135 to all bare steel surfaces at a dry film thickness of 4 to 6 mils.

B. Finish Coats and Graphic Logo and/or Lettering: Apply TNEMEC 1094 to all exterior surfaces at a dry film thickness of 3 to 5 mils. Logo and/or letterings is on two sides of the tank. Confirm locations, design, size and color with Owner prior to painting logo. Multiple coats may be necessary for proper coverage.

3.14 FILM THICKNESS:

A. Additional coats may be required to obtain the minimum required paint thickness, depending on method of application, differences in manufacturer's products, and atmospheric conditions.

B. Do not exceed the coating manufacturer's recommendations maximum film build per coat.

C. Perform film thickness measurements and electrical inspection of the coated surfaces with properly calibrated instruments furnished by the Contractor for use of the Engineer.

D. Coating thickness specified in mils will be measured with a magnetic type dry film thickness gauge such as Mikrotest, supplied by Nordson Corporation, Anaheim, CA.

E. The finish coat will be tested for holidays and discontinuities with an electrical holiday detector, low voltage, wet sponge type such as Model M-1, manufactured by Tinker and Rasor, San Gabriel, CA.

F. Recoat and repair as necessary for compliance with the specifications.

G. Each coat will be subject to inspection by the Engineer and the coating manufacturer's representative.

H. Give particular attention to edges, angles, flanges, etc. Where insufficient film thicknesses are likely to be present, ensure proper millage in these areas.

I. After recoated areas have dried sufficiently, final tests will be conducted by the Engineer.

J. Check each coat for the correct millage.

K. No measurement will be made less than 8 hours after application of the coating.

3.15 DAMAGED COATINGS:

A. Feather edges of damaged coatings, pinholes, and holidays and repair in accordance with the recommendations of the paint manufacturer, as reviewed by the Engineer.

B. Repair fusion bonded coatings as recommended by the original applicator. Liquid repair kits to be provided for their purpose by the applicator, as recommended by

C. the coating manufacturer.

D. Apply finish coats, including touch-up and damage-repair coats in a manner which will present a uniform texture and color-matched appearance.

3.16 UNSATISFACTORY APPLICATION:

A. If an improper finish color, or insufficient film thickness is found deficient; clean and topcoat with the specified paint material to obtain the specified color and coverage. Specific surface preparation information to be secured from the coating manufacturer and the Engineer.

B. Hand or power sand visible areas of chipped, peeled or abraded paint, feathering the edges.

1. Prime and finish coat in accordance with the specifications.
2. Depending on the extent of repair and its appearance, a finish sanding and topcoat may be required by the Engineer.

C. Provide finish free of runs, bridges, shiners, laps, or other imperfections; evidence of these conditions shall be cause for rejections.

D. Repair defects in the coating system per written recommendations of the coating manufacturer.

E. Leave staging up until the Engineer has inspected the surface or coating. Staging removed prior to approval by Engineer shall be replaced.

3.17 ACCEPTANCE OF WORK: Surface preparation and repairs shall be approved by the Engineer before primer is applied. The Contractor shall request acceptance of each coat prior to applying next coat and shall correct work that is not acceptable and request re-inspection.

3.18 CLEANUP:

A. Use tarps around the ground surface of tank to capture paint and debris from blasting operations. Collect paint and debris and place in barrels. Contractor shall provide barrels. Paint and debris shall be tested for lead and disposed per requirements of the Section and in a manner that adhere to applicable federal, state and local laws.

B. Place cloths and waste that might constitute a fire hazard in closed metal containers or destroy at the end of each day. Upon completion of the work, remove staging, scaffolding, and containers from the site or destroy in a legal manner.

C. Remove paint spots, oil, or stains from adjacent surfaces and floors.

D. Leave entire job clean.

3.19 DISINFECTION:

A. Disinfect tank in accordance with Section 02511.

END OF SECTION 09876

PAINT SYSTEM DATA SHEET

Attach Technical Data Sheet (if applicable) to this sheet for each paint system submittal.

Paint System Number (from Spec.) _____

Paint System Title (from Spec.) _____

Coatings Supplier _____

Representative _____

Surface Preparation _____

Paint Material (Generic)	Product Name/Number (Proprietary)	Min. Coats Coverage