

**RFP No. 2020-03 Professional Tank Maintenance Program for Water Storage Tanks  
Addendum No. 5**

1. The submittal deadline has been changed to April 28 at 2:00 p.m.
2. Please replace Appendix A with the attached revised appendix.

**Replace Appendix A (Town of Edisto Beach Water Storage Tank Coating Specification) Part 2 (Products), Section 2.2 (Paint Schedule) with the following:**

**2.2 PAINT SCHEDULE**

**A. Interior Tank Coating System – Complete Rehab**

1. Surface Preparation: SSPC-SP10/NACE 2 Near White Metal Blast Cleaning. All interior seams shall be seal welded, no caulking allowed. The surface shall be clean and dry before painting.
2. 1<sup>st</sup> Coat: NSF Approved Polyamidoamine Epoxy applied at 4.0 – 8.0 dry mils. (performance equal to Tnemec Series N140/N140F Pota-Pox Plus)
3. Stripe Coat: NSF Approved Polyamidoamine Epoxy applied at 4.0 – 8.0 dry mils. (performance equal to Tnemec Series N140/N140F Pota-Pox Plus)
4. 2<sup>nd</sup> Coat: NSF Approved Polyamidoamine Epoxy applied at 4.0 – 8.0 dry mils. (performance equal to Tnemec Series N140/N140F Pota-Pox Plus)

**B. Exterior Tank Coating System – Overcoating**

1. Surface Preparation: Minimum surface preparation of bare steel or previously painted steel requires a cleanliness level as defined by SSPC-SP WJ-4/NACE WJ-4 Light Cleaning by use of Low Pressure Water Cleaning (LP WC) between 3,500 and 5,000 psi using a 0 degree rotating nozzle. If all visible contaminants, loose mill scale, loose rust and other corrosion products, and loose paint have not been removed, SSPC-SP2 Hand Tool Cleaning or SSPC-SP3 Power Tool Cleaning should be employed until the surface cleanliness definition is met. Spot prime all corrosion or film issues areas with a Mastic Waterborne Acrylic (performance equal to Tnemec Series 118 UniBond Mastic) @ 6.0 – 8.0 dry mils. The surface shall be clean and dry before painting.
2. 1<sup>st</sup> Coat: Mastic Waterborne Acrylic applied at 6.0 – 8.0 dry mils. (performance equal to Tnemec Series 118 Uni-Bond Mastic)
3. 2<sup>nd</sup> Coat: Aliphatic Acrylic Polyurethane applied at 2.5 – 3.0 dry mils. (performance equal to Tnemec Series 1095 EnduraShield)
4. Lettering/Logo: Two coats of a Advanced Thermoset Solution Fluoropolymer (performance equal to Tnemec Series 700-color HydroFlon) shall be used for the lettering/ logo applied at a dry film thickness of 2.5 – 3.5 per coat.
5. Calking: Fill all gaps between the concrete foundation and the bottom plates of the steel tank with a Modified Polyurethane (performance equal to Tnemec Series 265 Elasto-Shield TG). Overlap 4 inches on both sides of the gap.
6. Concrete Foundation: The concrete foundation shall be cleaned and shall receive two coats of 100% Solid Inorganic Hybrid Water-Based Epoxy (performance equal to Tnemec Series 27WB-15BL Typoxy) at 4.0 – 8.0 dry mils.
7. Piping Insulation: Any pipes with insulation and/or other “insulation” on the tank site shall be cleaned and shall receive two coats a of Fluid-Applied Filled Acrylic Insulation

Coating applied at 80.0 – 100.0 dry mils or two wraps of Filled Insulation Tape (performance equal to Tnemec Series 972 Aerolon resin or Series 945 Aerolon Tape).

C. Exterior Tank Coating System – Complete Rehab

1. Surface Preparation: SSPC-SP6/NACE 3 Commercial Metal Blast Cleaning. All unwelded seams, lapped plates, joints and other inaccessible areas will be filled. The surface shall be clean and dry before painting.
2. 1<sup>st</sup> Coat: Zinc Rich Aromatic Urethane applied at 2.5 – 3.5 dry mils. (performance equal to Tnemec Series 91H20/94H20 Tnemec-Zinc)
3. Stripe Coat: Polyamidoamine Epoxy applied at 4.0 – 6.0 dry mils. (performance equal to Tnemec Series N69/N69F Hi-Build Epoxoline II)
4. 2<sup>nd</sup> Coat: Polyamidoamine Epoxy applied at 4.0 – 6.0 dry mils. (performance equal to Tnemec Series N69/N69F Hi-Build Epoxoline II)
5. 3<sup>rd</sup> Coat: Aliphatic Acrylic Polyurethane applied at 2.5 – 3.0 dry mils. (performance equal to Tnemec Series 1095 EnduraShield)
6. Lettering/Logo: Two coats of a Advanced Thermoset Solution Fluoropolymer (performance equal to Tnemec Series 700-color HydroFlon) shall be used for the lettering/ logo applied at a dry film thickness of 2.5 – 3.0 dry mils per coat.
7. Calking: Fill all gaps between the concrete foundation and the bottom plates of the steel tank with a Modified Polyurethane (performance equal to Tnemec Series 265 Elasto-Shield TG). Overlap 4 inches on both sides of the gap.
8. Concrete Foundation: The concrete foundation shall be cleaned and shall receive two coats of 100% Solid Inorganic Hybrid Water-Based Epoxy (performance equal to Tnemec Series 27WB-15BL Typoxy) at 4.0 – 8.0 dry mils. Any concrete repairs shall be made prior to painting with Cementitious Repair Mortar. (performance equal to Tnemec Series 217 MortarCrete)
9. Insulation: Any pipes, valves and other items with insulation and/or other “insulation” tape or wraps on the tank site shall be cleaned and shall receive two coats a of Fluid-Applied Filled Acrylic Insulation Coating applied at 80.0 – 100.0 dry mils or two wraps of Filled Insulation Tape (performance equal to Tnemec Series 972 Aerolon resin or Series 945 Aerolon Tape).