ADDENDUM NO. 1 REVISION 1

BID NO. 18-15

REHABILITATION OF THE 250,000 GALLON, RIVETED STEEL, KROUSE ELEVATED WATER TANK, ABERDEEN, MARYLAND

To all holders of the specifications, the following corrections are hereby made. All other items shall remain unchanged.

BID FORM

The following items shall be **ADDED** to Paragraph 4 and shall be calculated with the Total Base Bid Submitted.

Item No. 6. Perform twenty (20) hours of exterior or interior pit and/or seam welding as directed by Owner's representative:

Twenty (20) hours (estimated) x $_____(price per hour) =

_____

Item No. 7 As directed by Owner's representative, install patch plates (12" x 12" x 1/4" thickness) over areas exhibiting holes or extensive metal loss

Ten (10) plates (estimated) x $_____(price per plate) =

_____

Item No. 8 Perform pit filling using the approved manufacturers 100% solids epoxy surfacing compound as directed by Owner's representative

Five (5) gallons (estimated) x $ _____(price per gallon) =

_____

SECTION 05500 – MISCELLANEOUS METALS AND TANK REPAIRS

1. Subpart 1.1, Paragraph 1 shall be **REPLACED** with the following:
Where necessary, the leg and riser foundations shall be excavated to expose the top 6 inches of the concrete. The concrete foundations shall be abrasive blasted during the tank rehabilitation to remove all loose material. The concrete foundations shall be resurfaced with a cementitious material. All loose or missing grout in between the leg base plates and riser base plate and foundations shall be replaced with a non-shrink, nonmetallic grout. The exposed portions of the foundations will then be coated with an epoxy mastic paint, such as Sherwin Williams Macropoxy 646 Epoxy.

2. Subpart 1.1, Paragraph 3 shall be **AMENDED** as follows:
Climb prevention devices (shields) shall be installed to the bottom 16 feet of each leg

and shall be removable in order to clean and paint the inside of the lattice leg. The existing shield shall be removed and replaced as part of this project.

3. Subpart 1.1, Paragraph 5 shall be **REPLACED** as follows:
All exterior safety climb devices shall be replaced with new, galvanized 3M (DBI/SALA) flexible cable safety climb devices, which include the appropriate top and bottom brackets, cables guides and cable. In addition, the contract shall provide one detachable sleeve and carabiner (6160030), one harness (1103270) and one lanyard (1244412).

4. Subpart 1.1, Paragraph 6 shall be **AMENDED** to include the following:
The existing roof vent shall be replaced with a new, 24-inch diameter flanged neck and a minimum of 18-inch diameter aluminum pressure vacuum vent.

5. Subpart 1.1, Paragraph 8 shall be **AMENDED** to state the following:
The interior ladder shall span from the shell manhole to the tank bowl, only.

6. Subpart 1.1: The following paragraph shall be **ADDED** as Paragraph 12:
A new, 24-inch riser manhole shall be installed and equipped with an external hinge or davit arm. The riser manhole shall be constructed and installed in accordance with AWWA D100-11. The riser manhole shop drawing shall be reviewed and stamped by a licensed PE in the State of Maryland.

SECTION 09900 - WATER STORAGE TANK PAINTING

1. SubPart 2.2, Paragraph E shall be **DELETED** and not considered for this project.

2. Subpart 2.2, Paragraph C and D shall be **REPLACED** with the following:

C. **INTERIOR WET AREAS**: Interior wet surfaces are any surfaces exposed to stored water or its vapor. Interior wet areas shall be coated with a three-coat high-build zinc-epoxy-epoxy system, NSF Standard 61 approved for use in potable water. The minimum dry film thickness of the interior coating system shall be 22.5 Mils. Manufacturers' recommended curing times and recoat windows between each coat must be strictly adhered to.

1. Three-coat high-build zinc-epoxy-epoxy system manufactured by Tnemec Company, Inc.

a. (full) Primer Coat – Tnemec 94-H20 @ 2.5-3.5 mils dft.

Pit Filler – All designated pits shall be filled with Tnemec Pit Filler. Follow Tnemec recommendations for application methods/procedures. Payment for this item shall be based on unit pricing provided by the Contractor in the bid.

b. Stripe Coat – All vertical/horizontal seams, ceiling overlapping plate edge, ceiling support beams, support columns, ceiling to shall joint, nuts, bolts, ladders, pits, and all other irregular surfaces shall receive one (1) coat of Tnemec Series 20HS @ 4-6 mils dft. Application shall be spray and back brush and/or rolled.

c. (full) Finish Coat – Tnemec Series 22 @ 20-25 mils dft.

Total DFT = 22.5 – 28.5 Mils

2. Three-coat high-build zinc-epoxy-epoxy system manufactured by Sherwin Williams Corporation.

a. (full) Primer Coat – Sherwin Williams Corothane I Galvapac 1K @ 2.5-3.5 mils dft.

Pit Filler – All designated pits shall be filled with Sherwin Williams Steel Seam FT-910. Follow Sherwin-Williams's recommendations for application methods/procedures. Payment for this item shall be based on unit pricing provided by the Contractor in the bid.

b. Stripe Coat – All vertical/horizontal seams, ceiling overlapping plate edge, ceiling support beams, support columns, ceiling to shall joint, nuts, bolts, ladders, pits, and all other irregular surfaces shall receive one (1) coat of Sherwin Williams Macropoxy 646 PW @ 4-6 mils dft. Application shall be spray and back brush and/or rolled.

c. (full) Finish Coat – Sherwin Williams SherPlate PW @ 20-25 mils dft.

Total DFT = 22.5 – 28.5 Mils

D. **EXTERIOR SURFACES**: Exterior surfaces are all surfaces exposed to the weather. Exterior surfaces shall be coated with a three-coat, high-build zinc-epoxy- polyurethane system. The minimum dry film thickness of the exterior coating system shall be 8.5 Mils. Manufacturers' recommended curing times and recoat windows between each coat shall be strictly adhered to.

1. Three-coat high-build zinc-epoxy-polyurethane system manufactured by Tnemec Company, Inc.:

   a. (full) Primer Coat – Tnemec 94-H20 @ 2.5-3.5 mils dft.

   b. (full) Intermediate Coat – Tnemec Series 20HS @ 4-6 mils dft.

   c. (full) Finish Coat - Tnemec Series 1075 @ 2-3 mils dft (Color to be selected by the Owner).

   Total DFT = 8.5 – 12.5 Mils

2. Three-coat high-build zinc-epoxy-polyurethane system manufactured by Sherwin-Williams Corporation.

   a. (full) Primer Coat – Sherwin Williams Corothane I Galvapac 1K @ 2.5-3.5 mils dft.

   b. (full) Intermediate Coat – Sherwin Williams Macropoxy 646 PW @ 4-6 mils dft.

   c. (full) Finish Coat - Sherwin Williams Hi-Solids Polyurethane 250 @ 2-3 mils dft (color to be selected by the Owner)

   Total DFT = 8.5 – 12.5 Mils

Acknowledgement of Addendum

Name: _____

Company: _____

Date: _____

Signature: _____