

South Logan Water Association
Water System Extension Project

CONTRACT NO. 2 – WATER TANK ADDITION

ADDENDUM No. 1

May 27, 2005

This ADDENDUM to plans, specifications and bidding documents for the subject project modifies the referenced items to the extent described herein. Items not modified by this ADDENDUM remain unchanged and in full effect. Bidders are required to acknowledge receipt of this ADDENDUM on the Bid Form.

1. Technical Specifications: Section 11-102 “Welded Steel Elevated Water Storage Tank”: Item 3.0: “Execution”: **Replace** subsections ‘L’ through ‘V’ with the following paragraphs (Attachment: None.)

- L. Interior Painting System - The tank interior shall receive a zinc/epoxy paint system equal to the following Tnemec System:

<u>Application</u>	<u>Product</u>	<u>Dry film thickness (mils)</u>	<u>Color</u>
Primer	Tnemec Series 91-H ₂ O Hydro-Zinc	2.5-3.5	Green
Intermediate	Tnemec Series 20 Pota-Pox	4-6	Beige
Finish	Tnemec Series 20 Pota-Pox	4-6	Tank White
		Total	10.5-15.5

- M. Exterior Painting System - The tank exterior shall receive a zinc/epoxy/polyurethane paint system equal to the following Tnemec System:

<u>Application</u>	<u>Product</u>	<u>Dry film thickness (mils)</u>	<u>Color</u>
Primer	Tnemec Series 90-97 Tneme-Zinc	2.5-3.5	Reddish Gray
Intermediate	Tnemec Series 66-11WH Hi-Build Epoxoline	2-4	White
Finish*	Tnemec Series 73-15BL Endura-Shield	2-4	Tank White*
Clear Coat	Tnemec Series 76 Endura-Clear	1-2	Clear
		Total	7.5-13.5

*Owner reserves the right to change finish color selection at the time of shop drawing review.

- N. Alternate Exterior Painting System - The tank exterior shall receive a zinc/polyurethane/fluorourethane paint system equal to the following Tnemec System:

<u>Application</u>	<u>Product</u>	<u>Dry film thickness (mils)</u>	<u>Color</u>
Primer	Tnemec Series 90-97 Tneme-Zinc	2.5-3.5	Reddish Gray
Intermediate	Tnemec Series 73-11WH Endura-Shield	2-4	White
Finish*	Tnemec Series 700-15BL HydroFlon	2-3	Tank White*
		Total	6-10.5

*Owner reserves the right to change finish color selection at the time of shop drawing review.

Tank graphics shall be applied between the finish color coat and clear coat, and shall consist of Tnemec Series 1074 Endura-shield II applied at 2-3 mils dry film thickness in a navy blue or black color or colors. Graphics shall consist of the words as indicated on the plans, unless notified otherwise. The graphic shall be located on both sides of the tank as indicated on the plans. The letters shall be block type of the height indicated on the plans with a brush stroke approximately 6” wide. The Contractor shall submit a layout drawing to the Engineer for approval before proceeding with the work.

- O. All coatings shall be a system and shall be thoroughly compatible each with the other. No coatings or primers of different manufacturers shall be applied one upon the other. The

Contractor shall submit the proposed coatings systems to the Engineer for approval prior to application.

- P. Follow the Manufacturer's recommendations regarding application procedures and suitable application conditions. Each application shall achieve a dry film thickness within the specified range. More than one coat per application may be required depending upon the means of application.
- Q. Paint shall not be applied in rain, snow, fog, or mist, or when the steel surface temperature is less than 5°F above the dew point.
- R. Each coat of paint shall be in proper state of cure or dryness before the application of the succeeding coat. Follow manufacturers recommendations regarding minimum and maximum recoat intervals.
- S. All weld seams shall receive one brush coat of the specified primer after the sandblasting and cleaning has been completed. This brush prime coat is in addition to the specified prime coat.
- T. All coats shall be smooth, free of brush marks, streaks, laps or pile up of paints, and skipped or missed areas. If required to achieve the required dry film thicknesses, more than the stated number of coats may be necessary.
- U. All work will be subject to inspection by the Owner's representative. The Contractor shall provide suitable testing equipment including magnetic dry film thickness gauge, surface thermometer, psychrometer and holiday tester along with any necessary calibration devices. The Contractor shall conduct on-going quality control testing sufficient to assure compliance with all specified requirements. The finished coatings shall be subjected to a wet sponge holiday test to be conducted by the Contractor and witnessed by the Engineer. The Contractor shall correct any defects found by testing.
- V. Disinfection – The completed tank shall be disinfected in accordance with AWWA 652 and in accordance with requirements of the Kentucky Natural Resources and Environmental Protection Cabinet, Division of Water. The contractor shall provide and pay for all labor and materials associated with disinfection, except that the Owner will provide water equal to one tank volume for disinfection purposes. Any additional water needed will be charged to the contractor. **The Contractor shall fill the tank in accordance with the procedure outlined within the Geotechnical Report.** Afterwards, the contractor shall deliver bacteriological testing results indicating satisfactory disinfection of the tank to the owner.
- W. Certifications - Upon completion of the tank, the Contractor shall provide the Owner with a "Notarized Certification of Compliance" stating that the tank has been designed, fabricated, erect, inspected, tested and disinfected in accordance with all the requirements of the American Water Works Association Standard D100, and that the results of all inspections, radiographs, and tests indicate the tank is in full compliance with AWWA Standard D100.

END OF ADDENDUM NO. 1 TEXT
This ADDENDUM consists of a total of 2 pages.