



ADDENDUM NO. 5  
TO THE CONTRACT DOCUMENTS

Date: November 26, 2018  
Project No.: 697482

for the construction of  
THREE MILE CREEK SEVERE WEATHER ATTENUATION TANKS (SWATs)

MOBILE AREA WATER AND SEWER SYSTEM  
MOBILE, ALABAMA

**To All Planholders and/or Prospective Bidders:**

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Three Mile Creek Severe Weather Attenuation Tanks (SWATs) dated July 2018 as fully and completely as if the same were fully set forth therein:

A. **PART 1 - MAWSS STANDARD SPECIFICATIONS**

As per Addendum #4, discussions at the Mandatory Pre-bid Conference of 10/18/18 included the following:

1. Contractor's good faith efforts to meet DBE requirements may be submitted to Felicia Thomas of MAWSS for an adequacy determination in advance of bid submission.
2. Subcontractors and suppliers qualifying for DBE listing may be submitted to Felicia for consideration prior to bidding.
3. Retroactive listing or any subcontracting plan modifications will not be allowed.
4. In Subcontractor form, all direct subcontractors and suppliers must be listed regardless of DBE status. If a direct sub uses a DBE sub, Bidder may list that 2<sup>nd</sup> tier sub with its associated values for credit towards the DBE participation goal. Otherwise 2<sup>nd</sup> tier subs are not required to be listed.
5. As per the DBE policy requirements, if the 15% DBE goal is not achieved, Contractor must submit with his bid package the required Affidavit of Contractor's Good Faith Effort accompanied by supporting documentation.

**B. PART 2 - TECHNICAL SPECIFICATIONS**

1. Section 09 97 13, Paragraphs 3.06.B.2.b is replaced to read as follows:  
“Stainless Steel surfaces are not to be coated.”
2. Section 09 97 13, Paragraphs 3.06.B.2.c is replaced to read as follows:  
“Exterior surfaces of existing exposed piping (excluding stainless) and ducts are to be recoated. All new exposed piping is to be coated.”
3. Section 26 09 23 Paragraph 2.03.E is amended to also require conformal coating of all 3 SCR's in addition to all electronic circuit boards.
4. Section 33 16 13.15, Prestressed Concrete Tank with Steel Diaphragm Page 12, paragraph 2.11.C as amended by Addendum Number 2 is amended to delete the requirement of the 1<sup>st</sup> coat of Tnemec Series 151.

**C. PART 3 - DRAWINGS**

1. Sheet 05-Y-201 Key Note 2 is hereby modified to replace the requirement for a 90-degree bend with a requirement for an MJ sleeve.
2. Sheet 50-E-601 shall be modified to add a 1200A Service Entrance Rated Circuit Breaker Disconnect 100% rated with a LSIG electronic trip ahead of the utility meter. The new Disconnect Switch is in addition to the Disconnect Switch MBSE-210 ahead of the Automatic Transfer Switch.

**D. Questions & Answers:**

1. Question: Do lap sheets and roof rafters get caulked? If so, with what?

Answer: Install caulking in all roof plate joints that are not completely seal welded. Caulking shall be two-component polyurethane caulk, suitable for exposure to raw sewage and compatible with coating system.

Temporarily lift roof plates to clear rafter for surface preparation and painting. Provide full coating thickness to underside of roof plate and top of rafter in contact areas.

2. Question: Is the Manufacturer's Certification as required by Section 10 Special Conditions Paragraph 10.21 required for all submittals and specifically for caulking?

Answer: Yes. As per Paragraph 10.21, the indicated certification of suitability for the purpose and use intended is required for all products or equipment to be incorporated into the work.

3. Question: There are 2 different interior coatings (09 97 13-18, 3.06A and 3.06B). Which do we use as our base bid since there's no line item for an alternate? If the 100% solids system is used (3.06B), it calls for 12 mils minimum DFT...not sure we can achieve that as it is normally 25-35 mils. Might be virtually impossible to coat it at such a thin rate. Also, the coatings manufacturer for these systems recommends a surface preparation of SSPC-SP10, and the specs call for SSPC-SP5?

Answer: Use System No. 1A as base bid for coating system. The specified 12 mils DFT is a Project specific lower limit and shall be observed. Final DFT coating thickness shall be the thicker of the project minimum and the Manufacturer's recommended minimum.

Base bid shall be based on SSPC-SP5.

4. Question: Will Owner allow us to use their 3 phase electricity for Dehumidification equipment if we meter the site? (We will be paying all electrical usage at that site during our phase of construction)

Answer: Contractor may tie into the existing MCC to utilize the existing power supply conditioned that such use, in combination with the system operation, may not exceed the capacity of any component of the system.

5. Question: In reference to Dehumidification, (09 97 13-12; 3.03B 1 -2) calls for heating during adverse weather conditions. Item 2 requires 24-hr dehumidification during all blasting and coating operations. I need to know if DH will be required full time or only in adverse weather conditions. Also, if we shut down for Holidays/weekends, will we be required to run DH?

Answer: Dehumidification and heating may be required throughout the surface preparation and application phases and shall be available and operational when weather conditions are outside acceptable limits for surface preparation and coating application, including weekends and holidays.

6. Question: 09 97 13-10 3.01D References cross sectional loss repair / replacement. The amount of one total replacement is 2,000 square inches. I'm not sure what area they're talking about, but I assume it's the rafters. I can't price cutting and welding repair at square inch rate, which is normally for pits, and have it allow for rafter repair. What will be the determining factor of repair vs. replacement for rafters?

Answer: The 2,000 square inch area is an allowance for multiple spot repairs including rafter and pit repairs, and is not in reference to any particular element. For rafters with areas meeting the 20 percent cross section loss criteria, the Contractor's inspection report shall identify the surface area of the rafter meeting that criteria and thereby establishing a credit against the 2,000 square

inch allowance. The Contractor will have the option to replace the damaged rafter rather than repair it, but that election will not alter the credit to the repair allowance.

7. Question: 09 97 13-16, 3.05B 1b- Pitting repair, how many pits or gallons of filler do I allow for in base bid? It also says pits that exceed filler shall be welded. How many welds do I allow for in base bid? Also, is there a line item for unit pricing to allow for pits that exceed what is allowed for in base bid?

Answer: Pitting that is less than 20 percent section loss of the base metal thickness should be acceptable with proper coating application techniques such as back rolling the paint. Pitting exceeding 20 percent section loss of the base metal thickness shall be repaired by welding per Paragraph 3.01.D and shall count towards the 2,000 square inch allowance. The use of filler material will be acceptable for use in filling pits with total section loss of less than 20 percent at no additional cost to the Owner.

8. Question: The blast profile on interior and exterior calls for SSPC-SP5, the coatings manufacturer recommends an SSPC-SP10 for the specified surface prep/coatings. Will SSPC-SP 10 be sufficient?

Answer: No, SSPC-SP10 is not acceptable. Base bid shall be based on SSPC-SP5.

9. Question: Ref Drawing Sheet 70, can an MJ Sleeve be utilized in place of the dismantling joint required by Note 5?

Answer: A dismantling joint provides some allowance for more misalignment between the existing fittings and the new pipe but would require two flange pipe spool pieces for mating. A solid sleeve would have to be a restrained joint and does not allow much if any misalignment. A restrained joint solid sleeve would be acceptable, but the Contractor has a higher degree of burden to prevent a misalignment under Note 2 of Sheet 70.

10. Question: In reference to the seven pumps to be supplied under Section 44 42 56.04, are the components specified to be Hard Iron for the Flygt pumps required to be hard iron for the KSB and WILO pumps?

Answer: Where KSB or WILO can't supply a Hard Iron material per the spec, they shall supply a demonstrably equivalent material or coat the substitute material with Belzona 1321.

11. Question: In reference to the pressure relief system required under Section 33 16 13.15, are the foundation requirements of that system included in the scope of work?

Answer: Per Note 3 for Drawing Sheet 76, Contractor shall confirm adequacy of required 18" stone thickness under the tank to meet the tank manufacturer's design requirements for the pressure relief system design. Contractor shall also coordinate for the selection of the geotextile to meet tank manufacturer's requirements. Contractor shall provide the tank manufacturer's required stone thickness and the geotextile selection at no additional cost to the Owner.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 5 in the Bid Form and by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

CH2M HILL

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Project Manager  
David Allan Carr, P.E.

**END OF ADDENDUM**