



## BID QUESTION RESPONSE

PROJECT:	Replace Hydrant Fueling System	DATE:	10/18/04
	Langley AFB, VA	Clarification	Yes
SOLICITATION NO:	W91236-04-R-0039	Amendment	No
DESCRIPTION:	DAVID Richter Structural Associates, Inc.		
ARGUS PROJECT NO:	02010.02		
QUESTION NO:	13		

	QUESTION/RESPONSE
	<p>1. Drawings EU address the required phasing of work associated with the Automatic Tank Gauging System. Please confirm that the existing gauging system for Tanks #1 &amp; 2 (portion located in the tank) are to be reused in the new/modified still wells.</p> <p><b>Response:</b> Since the existing gauge system is a cable/nitrogen tube bundled assembly, it will have to be replaced in it's entirety from the respective TCU to the tank and down into the tank. Please refer to the Operating Storage Tank Electrical Elevation on Sheet ED.2.</p> <p>2. It is understood that TCU #3 and #4 are to be programmed with the new strapping table generated after work on Tanks #1 and #2 are completed. During the phased work in the Tank Farm, tank control units will be monitoring tanks that were not originally as intended. Are the Tank Control Units to be reprogrammed with the strapping table of its associated interim duty?</p> <p><b>Response:</b> Please refer to the Existing and the New ATG Block Diagrams on Sheet E7.1. TCU# 4 is a new TCU to be provided under this contract. TCU # 4 will contain the new strapping data for Tanks # 1 and # 2. This work is to be complete by Phase 2. During the phased construction, tanks will be taken off of and then put back on their respective TCU's. The exception to this is Tank # 3, which will be connected to TCU # 1 once Tank # 3 is brought back on line. In this case, yes, TCU # 1 will need to be reprogrammed with the strapping table of Tank #3 and purged of Tank #1's original strapping table. Otherwise, throughout the rest of construction, tanks are just taken down off of their original TCU, then brought back up on it once construction in that cell is complete. By Phase 5, TCU # 3 will no longer be used and will be removed and returned to the base.</p> <p>3. Details #1 and #3 on print CU1.24 indicate the fill around the pipeline to be compacted pipe bedding or flowable fill as specified. Specification 02316A Excavation, Trenching, and Backfilling for Utilities Systems indicates in section 2.1.7 to use flowable fill for backfill of all fuel piping within the bedding envelope shown on the project drawings. It also indicates flowable fill may be used in place of other approved or specified</p>

bedding material for other types of piping at the contractor's discretion. Please advise as to whether flowable fill is required as pipe bedding for the pipeline and/or utility work?

**Response:** With the exception of intermittent sand bags to support the pipe prior to backfilling, material within the fuel piping bedding envelope as shown on CU1.24 shall be flowable fill as specified in Section 02316A, paragraph 2.1.7.

4. Prints A1.2, C2.03, C2.04, C2.05, C2.06, C4.16, M1.03, MU3.01, S3.1, S5.1 and S5.2 were all released under addendum #4. The plans indicate in the revision section they were issued for amendment #2. Please clarify? A1.2, S5.2 and MU3.01 were supplied but not listed in the amendment #4. S5.3 is listed in amendment #4 but was not supplied? Please advise?

**Response:** Norfolk to provide formal response.

5. Print M4.01 indicates #1 Suction Pump, #2 Fuel/Waste Separator, and #3 Discharge Pump. What work is required for these items? Are they to be removed and turned over to the owner or left in place?

**Response:** The pumps and sump separators are existing and require no work except when the locations conflict with new pipe support concrete piers. Two conflicting locations are noted as follows:

1. Operating Tank #2 - the discharge pump must be relocated.
2. Bulk Storage Tank #3 - the suction and discharge pumps require relocation.