

Project No.: R.077363.001

August 12, 2016

The following changes to the tender documents are effective immediately and will form part of the contract documents:

Questions and Answers

(1) The tender calls for the pump station to meet specified pressures at specified flows. (Section 22 14 29.18 Part 1.3)... Our existing program has a logarithm for pressure compensation that is based on a set point of low and high pressure with pressure increases in proportion to the range of flow increases. Is this an acceptable method of pressure compensation?

Answer: Yes, this is acceptable provided that the set points in the algorithm are adjustable.

(2) The tender calls for main pump alternation of pumps every 24 hours regardless of the station operation at that point in time. (Section 22 14 29.18 Part 1.3) Is it acceptable to start the pumps based on lowest hours? Hours of operation will be recorded for each pump and the main pump with the lowest number of hours will always start first.

Answer: Yes, it is acceptable to start pump based on lowest hours.

(3) Is there a specification for pump station skid construction?

Answer: No spec for skid construction.

(4) Is there a specification on the type of bolts and pipe supports on the skid?

Answer: Yes, see spec Section 22 14 29.17 item 2.3.

(5) The tender calls for stainless steel materials such as piping (Section 22 14 29.17 Part 2.1)
a. Is galvanized carbon steel Sch. 40 pipe acceptable?

Answer: No, stainless piping and materials shall be used as specified.

b. If it is acceptable, do you want the outside of the pipe painted with an epoxy coating?
(6) If the piping can be changed from stainless (Section 22 14 29.17 Parts 2.4.2) ,
a. Can the check valve bodies also be changed from stainless to cast iron with stainless steel seats? Is Sure-flow wafer style model CW125ISC acceptable?
b. Can the isolation valve bodies be changed to ductile iron with stainless steel disc and stem? Is Sure-flow lug style BFVLS acceptable?

END OF ADDENDUM NO. 1